



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

Telangana, India

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





Transit X proposes to build and operate a privately-financed pod network to carry passengers and freight for Telangana, India that makes the Transit X service convenient to 90% 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 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.

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 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

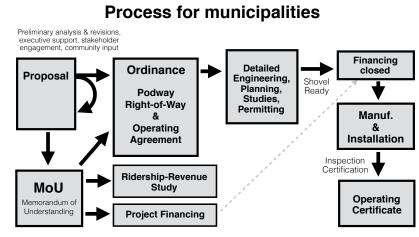
Not only does Transit X not require public financing, but the local municipality and right-of-ways owners receive 5% of gross revenue, which would be US\$654 million per year average over the first 10 years. For specifics, please see the "Taxes and Fees" section of this proposal.

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 general process for working with a municipality or rights-of-way owner. 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 an operating agreement. 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 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 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.

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 resources below provide more general information:

- Transit X Handbook (<u>transitx.com/transitxhandbook.pdf</u>)
- Video overview (transitx.com/video)
- · Letters of Project Financing, Due Diligence, Contracts (transitx.com/letters.pdf)
- Sample Ordinance (transitx.com/process/ordinance.html)
- · Service Agreement (transitx.com/process/service_agreement.html)
- General Q & A (transitx.com/QandA.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 Telangana 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	\$15.52 billion

Structure	Equity and Debt
Debt term	10 years @ 5%
Equity terms	 29% projected IRR through 7 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

Financials

(US Dollars in millions)	Year 1	Total Years 1-10
Gross Revenues	7,797	130,872
Taxes and fees	390	6,544

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



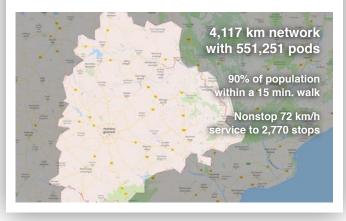


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About Transit X

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. 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
Project financing	Letter of Interest	Yes
Proven concept	Yes	Yes
Demonstration system	In development	Yes
Ridership study		Yes
Environmental study		Yes
Air rights	Letter of Intent	Ordinance
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 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

	Travel per year per pod (km)	168,192
	Revenue per vehicle-km (US\$)	0.25
	Cost per pod	\$5,000
	OPEX as % of project cost	5%
	OPEX as % of revenue	5%
	Debt Interest rate	5%
	Debt term (yrs)	10
	Years to return equity capital	<u>5</u>
Profit s	share when below capital return	<u>90%</u>
Prof	it share when below Target IRR	<u>50%</u>
Profi	t share when above Target IRR	10%

Route length (km)	4,117
Starting number of pods	183,750
Projected revenue growth	<u>15%</u>
Project Cost	\$15,519,309,286
% Debt financed	<u>70%</u>
Debt	\$10,863,516,500
Equity	\$4,655,792,786
Capital return per year	\$931,158,557
Target IRR	15%
Target return per year	\$698,368,918
Debt payment (per year)	\$1,406,875,087

The revenue estimates are conservative because they only show revenue from passenger fares, which may be less than 30% of total revenue. A substantial revenue stream can be expected from freight, advertising, 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	1	2	3	4	5	6	7	8	9	10	11	12
Revenue		0	7,796,594,258	8,966,083,396	10,310,995,906	11,857,645,292	13,636,292,085	15,681,735,898	18,033,996,283	20,739,095,725	23,849,960,084	27,427,454,097	31,541,572,211
5% RoW+tax+fee		0%	389,829,713	448,304,170	515,549,795	592,882,265	681,814,604	784,086,795	901,699,814	1,036,954,786	1,192,498,004	1,371,372,705	1,577,078,611
Debt service		0	\$1,406,875,087	\$1,406,875,087	\$1,406,875,087	\$1,406,875,087	\$1,406,875,087	\$1,406,875,087	\$1,406,875,087	\$1,406,875,087	\$1,406,875,087	\$1,406,875,087	0

Investor share %		30%	26%	23%	21%	20%	12%	12%	12%	11%	11%	11%
Investor IRR	0%	13%	16%	18%	22%	25%	33%	38%	44%	50%	57%	69%
Investor balance	\$(4,655,792 \$	(3,109,125,974)	\$ (1,451,357,693) \$	334,177,276	\$ 2,266,643,936	\$ 4,368,082,042 \$	5,918,910,464 \$	7,693,203,623 \$	9,724,481,229 \$	5 12,051,290,949 \$	14,717,962,600 \$	17,916,162,981
Investor IRR to date	loss	-67%	-21%	3%	17%	25%	29%	32%	33%	35%	36%	37%

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



na	ISIL A.			
1	Land area of region	112,077	km ²	
2	Number of people in region (residents + visitors)	35,193,978		
3	Travel distance per year by all people (residents and visitors)	351,939,780,000	km	
4	Percentage of all travel that occurs within the region	90%		
5	Road coverage (percent of area conveniently served by paved roads)	10%		
6	Service area size	11207.7	km ²	
7	Coverage: percent of people convenient (15 min walk) to Transit X Estimate #1 for network length based on desired coverage	<i>90%</i> 4,117	1	
8 9	Length of paved roads in region	15,096	km	
10	Estimate #2 for network length based on length of public roadways	3,397		
11	Transit X network length	4,117	km	
12	Route density ratio (route length to service area)	0.37		
13	Number of stops	2,770		
14	Triple-speed route length	0	km	
15	Water crossing route length	0	km	
16	Total costs for project not including pods	\$12,763,054,286		
17	per person	\$363		
18	Mode share of travel on Transit X	72%		
19	Distance traveled on Transit X, per year	228,921,693,479	km	
20	per day	627,182,722		
 21	Potential energy generation with standard panels on tracks	31,619		
22	Energy consumption per day	17,422		55% of max capacity
23	Cost of sustainable energy gen&storage at \$0.15 per kWh (If purchased)	\$2,613,261		73% of OPEX
24	Daily number of people riding Transit X	25,435,744		
25	Distance per Transit X customer per day		km	
26	Average distance per trip (with 3 trips per day)		km	
20 27				
	Passenger fare for shared 8 km trip (at US\$0.02 per km)	\$0.19		INR
28	Distance traveled during peak hour	125,436,544		
29	Breakeven	8,893,501	customers per day	
30			(28% of people conv	enient to Transit X)
31	Number of pods needed to meet peak demand	551,251	node	
32	Number of people per pod		and 46 customers	nor nod
33	Distance per pod per year	168,192		per pou
34				
	Pod garage volume [unit: cubic shipping containers]		SC ³	
35	Cost of pods	\$2,756,255,000		
36	Cost of pods per person	\$78		
37 P	roject finances			
38	Total project cost (privately financed)	\$15,519,309,286	1,008,755,103,57	Assumes purchased power
40	Equity	\$4,655,792 786	302,626,531,071	INB
41		, ,,,		
	Financed	\$10,863,516,500	100,120,072,000	INR
	Financed	\$10,863,516,500	700,120,572,500	INR
42	Financed	\$10,863,516,500	700,128,372,300	INH
42 39	EBITA (Profit)		613,110,925,160	
42 39 43 44		\$9,432,475,772		INR
42 39 43 44 45	EBITA (Profit)	\$9,432,475,772	613,110,925,160	INR
42 39 43 44 45 46	EBITA (Profit)	\$9,432,475,772	613,110,925,160	INR
42 39 43 44 45 46 47	EBITA (Profit) Debt service	\$9,432,475,772 \$1.629.527.475	613,110,925,160	INR
42 39 43 44 45 46 47 48	EBITA (Profit) Debt service Operating Margin	\$9,432,475,772 \$1.629.527.475 88%	613,110,925,160 105.919.285.875	INR
42 39 43 44 45 46 47 48	EBITA (Profit) Debt service Operating Margin Project costs — per person	\$9,432,475,772 \$1.629.527.475 88% \$441	613,110,925,160 105.919.285.875 28,663	INR
42 39 43 44 45 46 47 48 49	EBITA (Profit) Debt service Operating Margin	\$9,432,475,772 \$1.629.527.475 88%	613,110,925,160 105.919.285.875 28,663	INR
42 39 43 44 45 46 47 48 49 50	EBITA (Profit) Debt service Operating Margin Project costs — per person Number of motor vehicles displaced	\$9,432,475,772 \$1.629.527.475 88% \$441 22,892,169	613,110,925,160 105,919.285.875 28,663 motor vehicles	INR INR INR
42 39 43 44 45 46 47 48 49 50 51	EBITA (Profit) Debt service Operating Margin Project costs — per person Number of motor vehicles displaced Yearly cost of cars displaced — per person	\$9,432,475,772 \$1.629.527.475 88% \$441 22,892,169 \$5,854	613,110,925,160 105.919.285.875 28,663	INR INR
42 39 43 44 45 46 47 48 49 50 51 51 52	EBITA (Profit) Debt service Operating Margin Project costs — per person Number of motor vehicles displaced	\$9,432,475,772 \$1.629.527.475 88% \$441 22,892,169	613,110,925,160 105,919.285.875 28,663 motor vehicles	INR INR INR
42 39 43 44 45 46 47 48 49 50 51	EBITA (Profit) Debt service Operating Margin Project costs — per person Number of motor vehicles displaced Yearly cost of cars displaced — per person Operating costs per passenger-km Breakeven revenue distance per day	\$9,432,475,772 \$1.629.527.475 88% \$441 22,892,169 \$5,854 \$0.02 219,291,811	613,110,925,160 105.919.285.875 28,663 motor vehicles 380,517	INR INR INR
42 99 43 44 45 46 46 46 46 48 49 50 50 51	EBITA (Profit) Debt service Operating Margin Project costs — per person Number of motor vehicles displaced Yearly cost of cars displaced — per person Operating costs per passenger-km	\$9,432,475,772 \$1.629.527.475 88% \$441 22,892,169 \$5,854 \$0.02	613,110,925,160 105.919.285.875 28,663 motor vehicles 380,517	INR INR INR

Project Overview p. 2



Impact of proposed network

2Est. cost to maintain 15,096 km roadway\$769,900,3713Reduced waste products per year3,668,470 metric tons4Travel time saved per year438 hrs/person5Cost savings per capita per year from reduced car ownership\$5,1896Increase in household income from time saving and car costs357%7Reported injuries avoided per year141,9318Lives saved per year1,4199Land freed from parking (130,101 acres)526,519,895 m²10and its commercial value\$526,519,895 per year
4Travel time saved per year3,668,470 metric tons5Cost savings per capita per year from reduced car ownership\$5,1896Increase in household income from time saving and car costs357%7Reported injuries avoided per year141,9318Lives saved per year1,4199Land freed from parking (130,101 acres)526,519,895 m²
5Cost savings per capita per year from reduced car ownership\$5,1896Increase in household income from time saving and car costs 357% 7Reported injuries avoided per year 141,931 8Lives saved per year 1,419 9Land freed from parking (130,101 acres)526,519,895 m²
6 Increase in household income from time saving and car costs 357% 7 Reported injuries avoided per year 141,931 8 Lives saved per year 1,419 9 Land freed from parking (130,101 acres) 526,519,895 m²
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Bit Method Reported injuries avoided per year 141,931 8 Lives saved per year 1,419 9 Land freed from parking (130,101 acres) 526,519,895 m ²
⁹ Land freed from parking (130,101 acres) 526,519,895 m ²
¹⁰ and its commercial value \$526,519,895 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
¹⁴ Decrease in sea level TBD mm

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 of travel (km/h)	72	16
Typical travel time (in minutes) for 8 km trip	7	31
Fare/cost per km	\$0.04	\$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

Model Inputs (cont)

Currency name	INR
Equal to US\$1	65



Model Inputs

27 km 85% at 5 min walk.

3.8 kWh/m²/day

201,500,000 INR

201,500,000 INR

45 mph

325,000 INR

650,000 INR

97,500 INR

INR

2.8 INR

4.6 INR

24 INR

INR

3,315,000 INR

5% Includes solar energy PPA

	4	Ratio of road length to track length	1
min.	15	Convenient walk time to Transit X route	2
km/h	4.9	Walking speed	3
km	2.45	Width of convenient swath along track	4
201,500	\$3,100,000	Fixed cost per km, no solar/storage	5
201,500	\$3,100,000	Fixed cost per km	8
	\$9,300,000	Water crossing route: additional cost per km	9
	\$6,200,000	Triple-speed route: additional cost per km	10
km	10,000	Average distance traveled per person per year (for trips under 1600 km)	11
km	27	Average distance per day per person	12
at 5 min v	85%	Mode share % of people convenient to Transit X	13
	20%	Percentage of daily demand during peak hour	14
pph	42,665	Maximum capacity per track	15
seconds	10	Average dwell time during peak hour	
km/h	18% 72	% of pods traveling on route with highest demand	16
		Average speed of pod	17
per day	3	Average # of trips for people riding Transit X	18
people	4.0	Average occupancy per pod during peak hours	19
people	2.5	Average occupancy per pod	20
people	5	Maximum occupancy per pod	21
325	25%	Empty pods: Percentage non-revenue	22
	\$5,000	Cost per pod	23
650	10,000	Worldwide Median Income per Household (US\$)	
97	1,500	Median household income (US\$)	24
	2.3	People per Household	25
	\$0.04	Base fare per km	26
	\$0.07	(per mile)	27
	5%	O&M as % of project cost	28
Includes so	5%	O&M as % of gross revenue	29
	70%	Percentage debt financed	30
years	10	Length of loan/debt	31
	5%	Interest rate for debt	32
	2.37	kg CO2 emissions per liter of gasoline	33
	0.375	Monetary value of 1 hour personal time (USD)	34
3,315	\$51,000	Eat. roadway maintenance per year per km	35
m ²	23	Area of one parking lot space	36
per m ²	\$1	Commercial income of land	37
km	0.74	Distance from roadway that is convenient	38
	0.7	Stops per km	39
	2.0	Solar panel area per meter of track	40
per kWh	\$0.15	Cost of sustainable energy and storage	41
kWh/m²/d	3.8	Global Horizontal Irradiance (GHI)	42

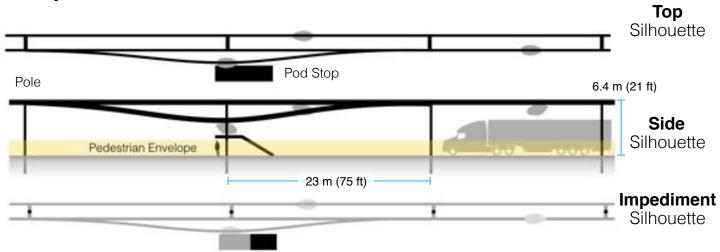


4% of gross revenue proportioned to air rights owners and a municipal fee/tax of 1% of gross revenue. Both air rights and fee/tax have a minimum payment based on the Footprint and the Transit X Commercial Rate (TXCR).

Note: Inputs have box outline						
3,000,000	m²					
\$3,000,000		195,000,000	INR			
\$1.00	per m²	65.0	INR			
4,117	km					
\$2,610,014	per km	169,650,937	INR			
% of gross revenue with	h minimum.					
\$26,100	per route-km	1,696,509	INR			
\$1,640	per route-km					
	n minimum.	Proportioned based	on length.			
\$104,401	per route-km	6,786,037	INR			
\$1,640	per route-km					
\$494,303,470	per year	32,129,725,574	INR			
\$494,303,470 \$12,832,225	per year	32,129,725,574	INR			
	per year	32,129,725,574 2,793,889,180				
	3,000,000 \$3,000,000 \$1.00 \$1.00 \$1.00 \$2,610,014 \$2,610,014 \$26,100 \$1,640 \$1,640 \$1,640 \$0% \$1,640	3,000,000 m² \$3,000,000 ************************************	3,000,000 m² \$3,000,000 195,000,000 \$1.00 per m² 65.0 \$1.00 per m² 65.0 \$2,610,014 per km 169,650,937 % of gross revenue with minimum. \$26,100 per route-km \$26,100 per route-km 1,696,509 \$1,640 per route-km 1,696,509 \$1,640 per route-km 65.0 \$1,640 per route-km 1,696,509 \$1,640 per route-km 65.0 \$1,640 per route-km 65.0 \$1,640 per route-km 65.0 \$1,640 per route-km 6,786,037			

Footprint calculations for minimum fee

Yearly fees and taxes





Track height 0.61 m Pole diameter 0.3 m Pole cross section 0.02 m² Stop landing area 1 m² width 1 m Bamp length 21 m Pole span 23 m Number of poles per unit length 43.5 poles per km Pole height 6 m Single track 1126.7 m² Area of Side Silhouette 688.3 m² Area of Side Silhouette 683.3 m² Area of Side Silhouette 683.3 m² Area of Side Silhouette 683.3 m² Area of Side Silhouette 25.6 m² Area of Side Silhouette 25.6 m² Area of Side Silhouette 21.2 m² Impediment Area (adjusted) 5.0 m² Stops 2 stops per km % of dual track 100% Average area per unit length 1,640 m² per route-km Contract values 1% % gross revenue for muni tax/fee 1% % gross revenue for air rights (RoW) 4% % gross revenue for Airdights	Footprint Calculations	Metric		Imperial
Pole diameter 0.3 m Pole cross section 0.07 m² Stop landing area 1 m² width 1 m Ramp length 21 m Pole span 23 m Number of poles per unit length 43.5 poles per km Pole height 6 m Single track 1126.7 m² Area of Side Silhouette 688.3 m² Area of Top Silhouette 433.1 m² Impediment Area (adjusted) 15.4 m² Dual track 1536.7 m² Area of Top Silhouette 688.3 m² Area of Top Silhouette 25.6 m² Area of Top Silhouette 21.2 m² Area of Top Silhouette 21.2 m² Area of Top Silhouette 21.0 m² Area of Top Silhouette 21.0 m² Area of Top Silhouette 21.0 m² Area of Top Silhouette 2.0 m² Area of Top Silhouette 1.	Track width	<u>0.41</u>	m	
Pole cross section 0.07 m² Stop landing area 1 m² width 1 m length 1 m Ramp length 21 m Pole span 23 m Number of poles per unit length 43.5 poles per km Pole height 6 m Single track 1126.7 m² Area of Side Silhouette 688.3 m² Area of Top Silhouette 423.1 m² Area of Side Silhouette 688.3 m² Area of Side Silhouette 688.3 m² Area of Top Silhouette 688.3 m² Area of Side Silhouette 833.1 m² Area of Side Silhouette 25.6 m² Area of Side Silhouette 25.6 m² Area of Side Silhouette 25.6 m² Area of Side Silhouette 21.2 m² Area of Top Silhouette 21.2 m² Impediment Area (adjusted) 5.0 m² Stops 2 stops per km % of dual track 100% <td>Track height</td> <td><u>0.61</u></td> <td>m</td> <td></td>	Track height	<u>0.61</u>	m	
Stop landing area 1 m² width 1 m length 1 m Ramp length 21 m Pole span 23 m Number of poles per unit length 43.5 poles per km Pole height 6 m Single track 1126.7 m² Area of Top Silhouette 688.3 m² Area of Top Silhouette 423.1 m² Area of Top Silhouette 688.3 m² Area of Side Silhouette 688.3 m² Area of Top Silhouette 883.1 m² Area of Top Silhouette 833.1 m² Impediment Area (adjusted) 15.4 m² Stop 51.8 m² Area of Top Silhouette 25.6 m² Area of Top Silhouette 21.2 m² Area of Top Silhouette 21.2 m² Area of Top Silhouette 21.2 m² Area of Top Silhouette 0.0 m² Area of Top Silhouette 0.0 m² Stops 2 stops per km	Pole diameter	<u>0.3</u>	m	
width 1 m length 1 m Ramp length 21 m Pole span 23 m Number of poles per unit length 43.5 poles per km Pole height 6 m Single track 1126.7 m² Area of Side Silhouette 688.3 m² Area of Top Silhouette 423.1 m² Area of Top Silhouette 423.1 m² Impediment Area (adjusted) 15.4 m² Dual track 1536.7 m² Area of Side Silhouette 688.3 m² Area of Top Silhouette 833.1 m² Impediment Area (adjusted) 15.4 m² Stop 51.8 m² Area of Side Silhouette 25.6 m² Area of Top Silhouette 25.0 m² Area of Top Silhouette 25.0 m² Area of Top Silhouette 100% Average area per unit length 1,640 m² per route-km % of dual track 100% Average area per unit length 1,640 m² per route-km % gross revenue for muni tax/fee 1% % gross revenue for rair rights (RoW) 4% % gross revenue for R	Pole cross section	<u>0.07</u>	m ²	
length 1 m Ramp length 21 m Pole span 23 m Number of poles per unit length 43.5 poles per km Pole height 6 m Single track 1126.7 m² Area of Side Silhouette 688.3 m² Area of Top Silhouette 423.1 m² Area of Top Silhouette 423.1 m² Area of Side Silhouette 688.3 m² Area of Top Silhouette 688.3 m² Area of Top Silhouette 683.1 m² Area of Top Silhouette 833.1 m² Area of Top Silhouette 833.1 m² Area of Top Silhouette 25.6 m² Area of Top Silhouette 21.2 m² Area of Top Silhouette 21.2 m² Impediment Area (adjusted) 5.0 m² Stops 2 stops per km % of dual track 100% Average area per unit length 1,640 m² per route-km % gross revenue for muni tax/fee 1% % gross revenue for air rights (RoW) 4% % gross revenue for RoW+tax+fee 5%	Stop landing area	1	m ²	
Ramp length 21 m Pole span 23 m Number of poles per unit length 43.5 poles per km Pole height 6 m Single track 1126.7 m² Area of Side Silhouette 688.3 m² Area of Top Silhouette 423.1 m² Impediment Area (adjusted) 15.4 m² Dual track 1536.7 m² Area of Side Silhouette 688.3 m² Area of Side Silhouette 688.3 m² Area of Top Silhouette 833.1 m² Area of Top Silhouette 833.1 m² Area of Side Silhouette 25.6 m² Area of Side Silhouette 21.2 m² Area of Top Silhouette 21.2 m² Area of Top Silhouette 25.6 m² Area of Top Silhouette 21.2 m² Impediment Area (adjusted) 5.0 m² Stops 2 stops per km % of dual track 100% Average area per unit length 1,640 m² per route-km % gross revenue for muni tax/fee 1% % gross revenue for ari rights (RoW) 4% % gross revenue for RoW+tax+fee 5% <	width	1	m	
Pole span 23 m Number of poles per unit length 43.5 poles per km Pole height 6 m Single track 1126.7 m² Area of Side Silhouette 688.3 m² Area of Top Silhouette 423.1 m² Area of Top Silhouette 423.1 m² Area of Top Silhouette 43.5 m² Area of Top Silhouette 43.5 m² Area of Top Silhouette 688.3 m² Area of Side Silhouette 688.3 m² Area of Top Silhouette 833.1 m² Area of Top Silhouette 833.1 m² Area of Top Silhouette 25.6 m² Area of Top Silhouette 25.6 m² Area of Top Silhouette 21.2 m² Impediment Area (adjusted) 5.0 m² Stops 2 stops per km % of dual track 100% Average area per unit length 1,640 m² per route-km % gross revenue for muni tax/fee 1% % gross revenue for air rights (RoW) 4% % gross revenue for RoW+tax+fee 5%	length	1	m	
Number of poles per unit length 43.5 poles per km Pole height 6 m Single track 1126.7 m ² Area of Side Silhouette 688.3 m ² Area of Top Silhouette 423.1 m ² Impediment Area (adjusted) 15.4 m ² Dual track 1536.7 m ² Area of Side Silhouette 688.3 m ² Area of Top Silhouette 688.3 m ² Area of Top Silhouette 683.3 m ² Area of Top Silhouette 833.1 m ² Impediment Area (adjusted) 15.4 m ² Stop 51.8 m ² Area of Side Silhouette 25.6 m ² Area of Top Silhouette 21.2 m ² Impediment Area (adjusted) 5.0 m ² Stops 2 stops per km % of dual track 100% Average area per unit length 1,640 m ² per route-km % gross revenue for muni tax/fee 1% % gross revenue for air rights (RoW) 4% % gross revenue for RoW+tax+fee 5%	Ramp length	<u>21</u>	m	
Pole height 6 m Single track 1126.7 m² Area of Side Silhouette 688.3 m² Area of Top Silhouette 423.1 m² Impediment Area (adjusted) 15.4 m² Dual track 1536.7 m² Area of Side Silhouette 688.3 m² Area of Side Silhouette 688.3 m² Area of Top Silhouette 683.3 m² Area of Top Silhouette 833.1 m² Impediment Area (adjusted) 15.4 m² Stop 51.8 m² Area of Side Silhouette 25.6 m² Area of Top Silhouette 21.2 m² Impediment Area (adjusted) 5.0 m² Stops 2 stops per km % of dual track 100% Average area per unit length 1,640 m² per route-km Contract values % % gross revenue for muni tax/fee 1% % gross revenue for muni tax/fee 1% % gross revenue for RoW+tax+fee 5%	Pole span			
Single track 1126.7 m² Area of Side Silhouette 688.3 m² Area of Top Silhouette 423.1 m² Impediment Area (adjusted) 15.4 m² Dual track 1536.7 m² Area of Side Silhouette 688.3 m² Area of Top Silhouette 688.3 m² Area of Top Silhouette 833.1 m² Area of Top Silhouette 833.1 m² Area of Side Silhouette 25.6 m² Area of Top Silhouette 21.2 m² Impediment Area (adjusted) 5.0 m² Stops 2 stops per km % of dual track 100% Average area per unit length 1,640 m² per route-km % gross revenue for muni tax/fee 1% % gross revenue for air rights (RoW) 4% % gross revenue for RoW+tax+fee 5%	Number of poles per unit length	<u>43.5</u>	poles per km	
Area of Side Silhouette 688.3 m² Area of Top Silhouette 423.1 m² Impediment Area (adjusted) 15.4 m² Dual track 1536.7 m² Area of Side Silhouette 688.3 m² Area of Top Silhouette 688.3 m² Area of Top Silhouette 688.3 m² Area of Top Silhouette 833.1 m² Impediment Area (adjusted) 15.4 m² Stop 51.8 m² Area of Side Silhouette 25.6 m² Area of Top Silhouette 21.2 m² Impediment Area (adjusted) 5.0 m² Stops 2 stops per km % of dual track 100% Average area per unit length 1,640 m² per route-km % gross revenue for muni tax/fee 1% % gross revenue for muni tax/fee 1% % gross revenue for RoW+tax+fee 5%	Pole height	<u>6</u>	m	
Area of Side Silhouette 688.3 m² Area of Top Silhouette 423.1 m² Impediment Area (adjusted) 15.4 m² Dual track 1536.7 m² Area of Side Silhouette 688.3 m² Area of Top Silhouette 833.1 m² Area of Top Silhouette 833.1 m² Area of Side Silhouette 25.6 m² Area of Top Silhouette 21.2 m² Area of Top Silhouette 21.2 m² Area of Top Silhouette 2.0 m² Area of Top Silhouette 2.0 m² Area of Top Silhouette 21.2 m² Impediment Area (adjusted) 5.0 m² Stops 2 stops per km % of dual track 100% Average area per unit length 1,640 m² per route-km % gross revenue for muni tax/fee 1% % gross revenue for muni tax/fee 1% % gross revenue for RoW+tax+fee 5%	Single track	1126.7	m ²	
Impediment Area (adjusted) 15.4 m² Dual track 1536.7 m² Area of Side Silhouette 688.3 m² Area of Top Silhouette 833.1 m² Impediment Area (adjusted) 15.4 m² Stop 51.8 m² Area of Side Silhouette 25.6 m² Area of Top Silhouette 21.2 m² Area of Top Silhouette 5.0 m² Stops 2 stops per km % of dual track 100% Average area per unit length 1,640 m² per route-km Contract values 1% % gross revenue for muni tax/fee 1% % gross revenue for RoW+tax+fee 5%	-	688.3	m ²	
Impediment Area (adjusted) 15.4 m² Dual track 1536.7 m² Area of Side Silhouette 688.3 m² Area of Top Silhouette 833.1 m² Impediment Area (adjusted) 15.4 m² Stop 51.8 m² Area of Side Silhouette 25.6 m² Area of Top Silhouette 21.2 m² Area of Top Silhouette 5.0 m² Stops 2 stops per km % of dual track 100% Average area per unit length 1,640 m² per route-km Contract values 1% % gross revenue for muni tax/fee 1% % gross revenue for RoW+tax+fee 5%	Area of Top Silhouette	423.1	m ²	
Area of Side Silhouette 688.3 m² Area of Top Silhouette 833.1 m² Impediment Area (adjusted) 15.4 m² Stop 51.8 m² Area of Side Silhouette 25.6 m² Area of Top Silhouette 21.2 m² Area of Top Silhouette 21.2 m² Area of Top Silhouette 21.0 m² Stops 2 stops per km % of dual track 100% Average area per unit length 1,640 m² per route-km Contract values 9% gross revenue for muni tax/fee 1% % gross revenue for Area ir rights (RoW) 4% % gross revenue for RoW+tax+fee 5%		15.4	m²	
Area of Top Silhouette 833.1 m² Impediment Area (adjusted) 15.4 m² Stop 51.8 m² Area of Side Silhouette 25.6 m² Area of Top Silhouette 21.2 m² Area of Top Silhouette 5.0 m² Stops 2 stops per km % of dual track 100% Average area per unit length 1,640 m² per route-km Contract values 9% gross revenue for muni tax/fee 1% % gross revenue for air rights (RoW) 4% % gross revenue for RoW+tax+fee 5%	Dual track	1536.7	m ²	
Area of Top Silhouette 833.1 m² Impediment Area (adjusted) 15.4 m² Stop 51.8 m² Area of Side Silhouette 25.6 m² Area of Top Silhouette 21.2 m² Area of Top Silhouette 5.0 m² Stops 2 stops per km % of dual track 100% Average area per unit length 1,640 m² per route-km Contract values 9% gross revenue for muni tax/fee 1% % gross revenue for air rights (RoW) 4% % gross revenue for RoW+tax+fee 5%	Area of Side Silhouette	688.3	m ²	
Impediment Area (adjusted) 15.4 m² Stop 51.8 m² Area of Side Silhouette 25.6 m² Area of Top Silhouette 21.2 m² Impediment Area (adjusted) 5.0 m² Stops 2 stops per km % of dual track 100% Average area per unit length 1,640 m² per route-km Contract values 1% % gross revenue for muni tax/fee 1% % gross revenue for air rights (RoW) 4% % gross revenue for RoW+tax+fee 5%				
Area of Side Silhouette 25.6 m² Area of Top Silhouette 21.2 m² Impediment Area (adjusted) 5.0 m² Stops 2 stops per km % of dual track 100% Average area per unit length 1,640 m² per route-km Contract values 1% % gross revenue for muni tax/fee 1% % gross revenue for air rights (RoW) 4% % gross revenue for RoW+tax+fee 5%		15.4	m ²	
Area of Side Silhouette 25.6 m² Area of Top Silhouette 21.2 m² Impediment Area (adjusted) 5.0 m² Stops 2 stops per km % of dual track 100% Average area per unit length 1,640 m² per route-km Contract values 1% % gross revenue for muni tax/fee 1% % gross revenue for air rights (RoW) 4% % gross revenue for RoW+tax+fee 5%				
Area of Side Silhouette 25.6 m² Area of Top Silhouette 21.2 m² Impediment Area (adjusted) 5.0 m² Stops 2 stops per km % of dual track 100% Average area per unit length 1,640 m² per route-km Contract values 1% % gross revenue for muni tax/fee 1% % gross revenue for air rights (RoW) 4% % gross revenue for RoW+tax+fee 5%	Stop	51.8	m ²	
Impediment Area (adjusted) 5.0 m² Stops 2 stops per km % of dual track 100% Average area per unit length 1,640 m² per route-km Contract values 1% % gross revenue for muni tax/fee 1% % gross revenue for air rights (RoW) 4% % gross revenue for RoW+tax+fee 5%		25.6	m ²	
Stops 2 stops per km % of dual track 100% Average area per unit length 1,640 m² per route-km Contract values % gross revenue for muni tax/fee % gross revenue for muni tax/fee 1% % gross revenue for air rights (RoW) 4% % gross revenue for RoW+tax+fee 5%	Area of Top Silhouette	21.2	m ²	
% of dual track 100% Average area per unit length 1,640 m² per route-km Contract values % gross revenue for muni tax/fee 1% % gross revenue for air rights (RoW) 4% % gross revenue for RoW+tax+fee 5%	Impediment Area (adjusted)	5.0	m ²	
% of dual track 100% Average area per unit length 1,640 m² per route-km Contract values % gross revenue for muni tax/fee 1% % gross revenue for air rights (RoW) 4% % gross revenue for RoW+tax+fee 5%	Change	0	atoma man lum	
Average area per unit length 1,640 m² per route-km Contract values % gross revenue for muni tax/fee 1% % gross revenue for air rights (RoW) 4% % gross revenue for RoW+tax+fee 5%	1		stops per km	
Contract values % gross revenue for muni tax/fee 1% % gross revenue for air rights (RoW) 4% % gross revenue for RoW+tax+fee 5%	% of dual track	100%		
% gross revenue for muni tax/fee 1% % gross revenue for air rights (RoW) 4% % gross revenue for RoW+tax+fee 5%	Average area per unit length	1,640	m² per route-km	
% gross revenue for air rights (RoW)4%% gross revenue for RoW+tax+fee5%	Contract values			
% gross revenue for air rights (RoW)4%% gross revenue for RoW+tax+fee5%	% gross revenue for muni tax/fee	1%		
% gross revenue for RoW+tax+fee 5%				
	Impediment Factor			



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

		0% of use	50% of use	+25% Income	65% of use	50% market fares
Median household income	US\$	5,000	\$5,000	\$6,250	\$5,000	\$5,000
Nominal fare	US\$	0.04	\$0.04	\$0.05	\$0.04	\$0.04
% of total travel on Transit	х	0%	50%	50%	65%	90%
Discount for usage	US\$	0.00	\$0.01	\$0.01	\$0.01	\$0.02
Base Fare (US\$)	per km	0.04	0.03	0.04	0.03	0.02
	in local currency	2.83 INR	2.12 INR	2.65 INR	1.91 INR	1.55 INR
for shared poo	d (20% discount)	2.26 INR	1.70 INR	2.12 INR	1.53 INR	1.24 INR
for shared seating	g (30% discount)	1.98 INR	1.48 INR	1.85 INR	1.33 INR	1.09 INR
% Fares at Market rate		50%	20%	20%	20%	50%
% Fares at Base rate		20%	80%	80%	80%	20%
% Fares at Half Base rate		30%	0%	0%	0%	30%
Estimated average fare US	S\$ per km	0.10	0.05	0.07	0.05	0.06

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

Travel distance per household per year (trips under 1600 km)	23,000 kn	n
% of median household income for 23,000 km transportation	20%	
Fare Discount when Transit X travel per household is 23,000 km per year	50%	
Minimum median household income. Fares are based on this minimum.	\$5,000 US	3D
Discount for shared pod	20%	
Discount for shared bench seat	30%	
Discount for Half Base rate	50%	
Projected multiple of Market rate vs.Base rate	4	
% increase in median income for scenario	25%	
Percent of Total Travel Per Capita on Transit X	65%	