



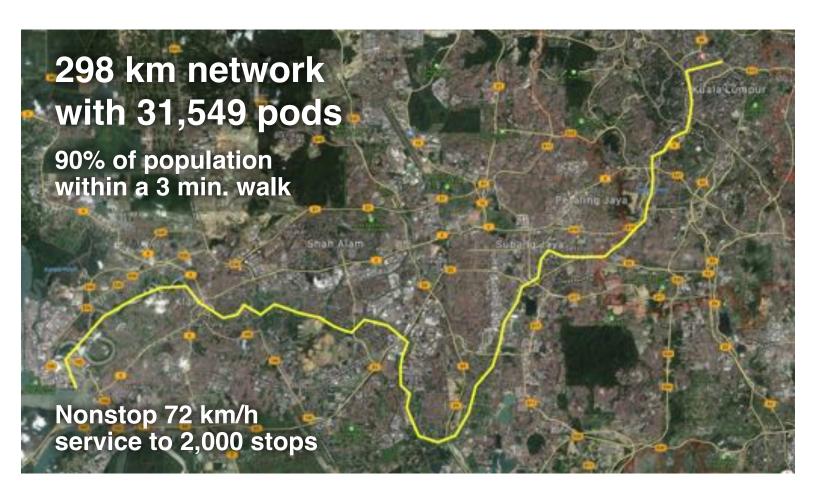
Transit X presents a preliminary proposal for a sustainable micro-rail network — a fleet of automated electric vehicles (pods) for passengers and freight on a local and regional podway providing equitable public transportation for

# Klang River, Selangor, Malaysia

This proposal is downloadable at <a href="mailto:transitx.com/proposals/Transitx">transitx.com/proposals/Transitx</a> for Klang River, Selangor, Malaysia.pdf

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

A 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 finance, build and operate a sustainable microrail podway to carry passengers and freight for Klang River 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.

### **High Capacity & High Speed**

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

### **Zero Footprint and Minimal Disruption**

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

### Low-cost Infrastructure & equitable fares

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

## Proven technology

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

## **Service Quality**

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

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

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

### Sustainable and Efficient

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

#### **More Transit & Fewer Cars**

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

## **De-risking Projects**

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

#### Jobs and Workforce Development

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

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

#### **Revenue Generator for Government**

Not only does Transit X not require public financing, but the government and private easement owners receive 4-5% of gross revenue, which would be US\$58 million per year average over the first 10 years.

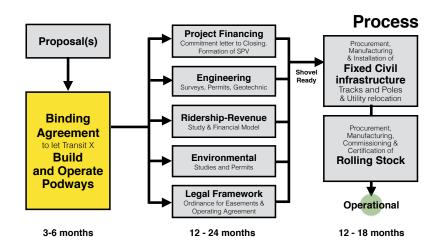
## Short and Long Term Solution

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

## **Moving Forward**

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

transitx.com/process



#### **Evaluation**

Please review our

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

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

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

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

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

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

A podway network is rolled out in phases that each take less than 24 months.

#### Other Resources

The links below provide general information about Transit X:

- One minute video overview (transitx.com/video)
- Transit X Handbook (transitx.com/transitxhandbook.pdf)
- Letters of Project Financing, Due Diligence, Contracts (<u>transitx.com/letters.pdf</u>)
- Memorandum of Understanding template (transitx.com/process/mou.html)
- Example Right-of-Way agreement (<u>transitx.com/process/resolution.html</u>)
- Operating Agreement (<u>transitx.com/process/operating\_agreement.html</u>)
- 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 Klang River through better transportation.

Sincerely,



Email: rodneydixon@transitx.com or hello@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





	di ISIUA.			
1	Transit X network length	298	km	
2	People (resident-equivalent) in region	6,290,100	resident-equivalent p	opulation
3	Route density ratio (route length to service area)	1.84		
4	Number of stops	2,000		
5	Triple-speed route length	0	km	
6	Water crossing route length		km	
7	Cost of fixed infrastructure	\$1,079,750,498		
8	per person	\$172		
9	Mode share of travel on Transit X (26% after first year)		after 10 years	
10	Distance traveled by passengers on Transit X, per year	12,390,059,712		
11	per day	33,945,369		
12	Daily potential energy generation with standard panels on tracks	2,286.3		6.09/ of may canacity
13	Sustainable energy use per day	134.6	MIVVN	6.0% of max capacity
14	Energy storage capital cost for 1 day(s) of supply at \$250 per kWh	\$33,651,924	IZM	
15	Size (rated power) of solar installation	31,294	K.VV	
16 17	Cost of buying sustainable energy (at \$1,000 per kW)	\$31,294,146	ner day	11% of OPEX
18	Cost of buying sustainable energy at \$0.15 per kWh	\$20,191 4,956,024		79% of the pop.
19	Daily passengers riding Transit X		km	73 % of the pop.
20	Distance per passenger per day  Average distance per trip (assuming 3 trips per day)		km	
21	Single passenger fare for shared 2 km trip	\$0.11		MYR
22	Passenger distance traveled during peak hour	6,789,074		MYH
	-			29% of expected and 26%
23	Breakeven			29% of expected and 26% to Transit X)
24	Boarding capacity		passengers per hour	
25	Number of pods for peak demand	31,549	pods at 79% m	ode share
26	Number of customers per pod		and 199 people pe	er pod
27	Diatance nor ned nor year			
	Distance per pod per year	168,190		
	Two-layer pod garage area (12% of route with side-parking)	34,704	m²	0.1% of car parking
29	Two-layer pod garage area (12% of route with side-parking)  Cost of pods	34,704 \$205,068,500	m² is \$25 per person	0.1% of car parking
29 30	Two-layer pod garage area (12% of route with side-parking)  Cost of pods  Capital cost of energy generation and storage	34,704 \$205,068,500	m²	0.1% of car parking
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29 30 31 <b>P</b> 32	Two-layer pod garage area (12% of route with side-parking)  Cost of pods  Capital cost of energy generation and storage  roject Finances	34,704 \$205,068,500 \$84,429,892	m <sup>2</sup> is \$25 per person is \$13 per person 5,723,460,358 per km	MYR
29 30 31 <b>P</b> 32 33 34	Two-layer pod garage area (12% of route with side-parking) Cost of pods Capital cost of energy generation and storage  roject Finances  Total Project Cost Project cost per km Equity financing	34,704 \$205,068,500 \$84,429,892 \$1,369,248,890 \$4,599,457 \$410,774,667	m <sup>2</sup> is \$25 per person is \$13 per person 5,723,460,358 per km 1,717,038,107	MYR MYR
29 30 31 <b>P</b> 32 33 34 35	Two-layer pod garage area (12% of route with side-parking)  Cost of pods  Capital cost of energy generation and storage  roject Finances  Total Project Cost  Project cost per km	34,704 \$205,068,500 \$84,429,892 \$1,369,248,890 \$4,599,457	m <sup>2</sup> is \$25 per person is \$13 per person 5,723,460,358 per km	MYR MYR
29 30 31 <b>P</b> 32 33 34 35 36	Two-layer pod garage area (12% of route with side-parking) Cost of pods Capital cost of energy generation and storage  roject Finances  Total Project Cost Project cost per km Equity financing	34,704 \$205,068,500 \$84,429,892 \$1,369,248,890 \$4,599,457 \$410,774,667	m <sup>2</sup> is \$25 per person is \$13 per person 5,723,460,358 per km 1,717,038,107	MYR MYR
29 30 31 <b>P</b> 32 33 34 35 36 37	Two-layer pod garage area (12% of route with side-parking) Cost of pods Capital cost of energy generation and storage  roject Finances  Total Project Cost Project cost per km Equity financing	34,704 \$205,068,500 \$84,429,892 \$1,369,248,890 \$4,599,457 \$410,774,667	m <sup>2</sup> is \$25 per person is \$13 per person 5,723,460,358 per km 1,717,038,107	MYR MYR
29 30 31 32 33 34 35 36 37 38	Two-layer pod garage area (12% of route with side-parking) Cost of pods Capital cost of energy generation and storage  roject Finances  Total Project Cost Project cost per km Equity financing Debt financing	34,704 \$205,068,500 \$84,429,892 \$1,369,248,890 \$4,599,457 \$410,774,667 \$958,474,223	m <sup>2</sup> is \$25 per person is \$13 per person 5,723,460,358 per km 1,717,038,107 4,006,422,251	MYR MYR MYR
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29 30 31 32 33 34 35 36 37 38 39 40	Two-layer pod garage area (12% of route with side-parking) Cost of pods Capital cost of energy generation and storage  roject Finances  Total Project Cost Project cost per km Equity financing Debt financing  Debt service (per year)	34,704 \$205,068,500 \$84,429,892 \$1,369,248,890 \$4,599,457 \$410,774,667 \$958,474,223	m <sup>2</sup> is \$25 per person is \$13 per person 5,723,460,358 per km 1,717,038,107 4,006,422,251	MYR MYR MYR
29 30 31 <b>P</b> 32 33 34 35 36 37 38 39 40 41 42	Two-layer pod garage area (12% of route with side-parking) Cost of pods Capital cost of energy generation and storage  roject Finances  Total Project Cost Project cost per km Equity financing Debt financing  Debt service (per year)	34,704 \$205,068,500 \$84,429,892 \$1,369,248,890 \$4,599,457 \$410,774,667 \$958,474,223	m <sup>2</sup> is \$25 per person is \$13 per person 5,723,460,358 per km 1,717,038,107 4,006,422,251	MYR MYR MYR
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	Two-layer pod garage area (12% of route with side-parking) Cost of pods Capital cost of energy generation and storage  roject Finances  Total Project Cost Project cost per km Equity financing Debt financing Debt financing  Vearly fees and taxes (US\$12 per capita)  OPEX + Debt service + Tax + Fees	34,704 \$205,068,500 \$84,429,892 \$1,369,248,890 \$4,599,457 \$410,774,667 \$958,474,223 \$162,940,618 \$72,631,762	m² is \$25 per person is \$13 per person 5,723,460,358 per km 1,717,038,107 4,006,422,251 681,091,783 303,600,765	MYR MYR MYR MYR MYR MYR MYR
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29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	Two-layer pod garage area (12% of route with side–parking) Cost of pods Capital cost of energy generation and storage  roject Finances  Total Project Cost Project cost per km Equity financing Debt financing Debt financing  Debt service (per year)  Yearly fees and taxes (US\$12 per capita)  OPEX + Debt service + Tex + Pees  Project costs — per person Number of motor vehicles displaced Yearly cost of cars displaced — per person Operating costs per passenger-km Full costs per passenger-km	34,704 \$205,068,500 \$84,429,892 \$1,369,248,890 \$4,599,457 \$410,774,667 \$958,474,223 \$162,940,618 \$72,631,762 \$218 1,239,006 \$1,773 \$0.01 \$0.02	m² is \$25 per person is \$13 per person 5,723,460,358 per km 1,717,038,107 4,006,422,251  681,091,783 303,600,765	MYR MYR MYR MYR MYR MYR MYR MYR
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# Impact of proposed network

1	Reduction in GHG emissions (metric tons CO2-eq)	1,223,518 MTCO2-eq annually
2	Estimated cost to maintain public roadways	\$55,669,518 annually
3	Reduced waste products	198,551 metric tons annually
4	Travel time saved (non-stop travel and congestion)	122 hrs/person annually
5	Cost savings from reduced car ownership	\$1,342 per person annually
6	Increase in household income (from time savings and car costs)	20%
7	Reported injuries avoided	7,682 annually
8	Lives saved (from safety)	77 annually
9	Land freed from parking (7,042 acres)	28,497,137 m <sup>2</sup>
12	Temperature reduction (from heat island effect & GHG reductions)	0.5 to 2 °C
11	Health care savings (from pollution, injuries)	High

# **Model Inputs**

	Model Inputs							
15	Ratio of road length to track length	4						
16	Walking speed	4.9	km/h					
17	Width of convenient swath along track	0.49						
18	Fixed cost per km (track & posts)	\$2,790,000	11,662,200	MYR				
19	Water crossing: additional cost per km	\$8,370,000	,,					
20	Triple-speed: additional cost per km	\$5,580,000						
21	Rate factor for water crossings or high-speed links.	2.2						
22	Average distance traveled per person per year	10,000	km					
	(for trips under 1600 km) Average distance per day per person		km					
23	Mode share % of people convenient to Transit X		at 5 min walk.					
24	Percentage of daily demand during peak hour	20%	at 5 mm waik.					
25	Maximum capacity per track	40,349	nnh					
26	Average dwell time during peak hour		seconds					
27	% of pods traveling on route with highest demand	18%	Seconds					
28	Average speed of pod		km/h	45 mph				
	Average # of trips for a daily customer		per day	45 mpn				
30	9 . ,							
31	Average passengers per pod during peak hours		passengers					
32	Average passengers per pod		passengers					
	Average discount per passenger	26%						
33	Maximum passengers per pod		passengers					
34	Empty pods: Percentage non-revenue	25%	20.000	NAVD				
35	Ex-Factory cost per pod	\$5,000	20,900					
36	Worldwide Median Income per Household (US\$)	10,000	41,800					
37	Average number of residents per household	2.3		MYR				
38	Base fare per km	\$0.08		MYR				
39	(per mile)	\$0.13	0.6	MYR				
40	O&M as % of project cost	5%						
41	Percentage debt financed	70%						
42	Length of loan/debt		years					
43	Interest rate for debt	7%						
44	kg CO2 emissions per liter of gasoline	2.37						
45	Monetary value of 1 hour personal time (USD)	\$2.00		MYR				
46	Eat. roadway maintenance per year per km	\$51,000	213,180	MYR				
47	Area of one parking lot space		m <sup>2</sup>					
48	Commercial income of land (annual)		per m <sup>2</sup>	MYR				
49	Distance from roadway that is convenient	0.15	km					
50	Stops per km	6.7						
51	Boarding capacity per stop	360	pph					
52	Solar panel area per meter of track	2.0						
53	Cost of sustainable energy and storage		per kWh					
54	Global Horizontal Irradiance (GHI)		kWh/m²/day					
55	Cost to generate sustainable energy	\$1,000	•					
56	Storage per column		kWh					
57	Typical span	23		44				
58	Energy storage cost		per kWh					
59	Energy storage capacity		days					
60	Area of parked pod	2.20	m <sup>2</sup>					
61	Distance discount at max distance	40%						
62	Max distance discount	500	km					
63	Max usage discount at 10,000 km per capita	50%						
64	Shared Pod Discount	20%						
65	Shared Pod Compartment Discount	40%						

## **Model Inputs (continued)**

68	Name of region or project	Klang River, Selangoi
69	Currency name	MYR
70	Equal to US\$1	4.18
71	Sustainable energy/electricity generation & storage as	CAPEX
72	Land area of region (sq. km)	8,104
73	Number of residents in region	6,290,100
74	% travel within region	25%
75	% of land area served by roads	2%
76	Coverage: % of pop. convenient (3 min walk) to Transit X	90%
77	Annual median household income (US\$)	\$8,000
78	Convenient walk time to stop (min)	3
79	Triple-speed route length (km)	0
80	Water crossing route length (km)	0.0
81	Visitors per year	0
82	Average length of visit (days)	2
83	Solar production ratio	1.57
84	Regional Fare Factor	1.0
85	EPC costs & contingency	30%
86	Triple-speed (km/h)	242
87	Daily Passengers Adjustment	100%
88	Number of Stops Adjustment	100%
89	Mode Share Adjustment	100%

# Pod & Car

		Pod	Car
87	Service life (years)	20	12
88	Full cost of vehicle per year	\$200	\$9,000
89	Public cost to maintain infrastructure (per km)	\$0	\$100,000
90	Energy consumption (MPGe)	3564	24
91	Energy consumption (liters/100km)	0.07	9.8
92	Energy consumption (Watt-hours/km)	9	1375
93	mass of CO2 per vehicle per km (kg)	0	0.09875
94	Vehicle mass (kg)	45	1950
95	Average speed of urban travel (km/h)	72	16
96	Typical travel time (in minutes) for 2 km trip	2	9
97	Fare/cost per km	\$0.08	\$0.62
98	Number of deaths per 100M passenger-km	0.00001	1
99	Number of injuries per 100M passenger-km	0.0006	62
100	Volume to park (cubic meters)	5.7	70.9

Mode share starting discount

67%



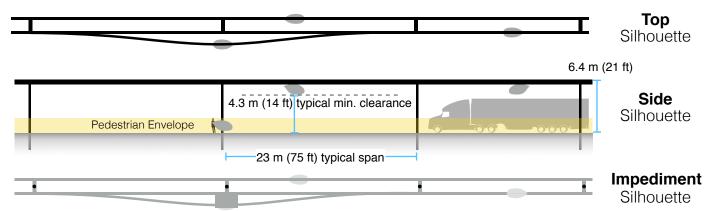
# 5% of gross revenue is paid for air rights and local taxes.

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

1	Air-rights and Local Taxes		(for calculating m	inimums)
2	Total commercial land (estimated)	16,208,000	m²	acres
3	Total commercial gov't revenue (US\$)	\$2,593,280		10,839,910 MYR
4	TXCR (Transit X Commercial Rate)	\$0.16	per m <sup>2</sup> (estimated)	0.7 MYR
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.			
7	Private Easement Fees	For exam	ole	
8	4% of gross revenue	\$48.80	per route-meter	
9	Minimum per year	\$0.24	per route-meter	
10	Transit X payment to Gover	nment		
10	Transit X payment to Gover % of route on government easements		estimated	
				298,743,153 MYR
11	% of route on government easements	98%		298,743,153 MYR 47 MYR
11	% of route on government easements  Total air-rights and local taxes	98% <b>\$71,469,654</b>	per year	
11 12 13	% of route on government easements  Total air-rights and local taxes  per resident	98% <b>\$71,469,654</b> \$11	per year	47 MYR
11 12 13 14	% of route on government easements  Total air-rights and local taxes  per resident	\$71,469,654 \$11 \$70,791	per year	47 MYR 295,905 MYR
11 12 13 14 15	% of route on government easements  Total air-rights and local taxes  per resident  with a minimum of	\$71,469,654 \$11 \$70,791	per year	47 MYR 295,905 MYR 0 MYR
11 12 13 14 15	% of route on government easements  Total air-rights and local taxes  per resident  with a minimum of  Other financial benefits to C	98% <b>\$71,469,654</b> \$11 \$70,791 Government	per year	47 MYR 295,905 MYR 0 MYR MYR
11 12 13 14 15 16	% of route on government easements  Total air-rights and local taxes  per resident  with a minimum of  Other financial benefits to C  Less road maintenance from lower VMT	\$71,469,654 \$11 \$70,791 Government	per year	47 MYR 295,905 MYR 0 MYR MYR MYR

# Footprint calculations for minimum fee

# Yearly fees and taxes



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

1	Footprint Calculations	Metric		Imperial
2	Track width	0.30	m	
3	Track height	0.60	m	
4	Post diameter	0.3	m	
5	Post cross section	0.07	m <sup>2</sup>	
6	Stop landing area	<u>3.75</u>	m <sup>2</sup>	
7	width	<u>1.5</u>	m	
8	length	<u>2.5</u>		
9	Ramp length	<u>21</u>		
10	Typical Span	<u>23</u>		
11	Number of posts per unit length	<u>43.5</u>	poles per km	
12	Post height	<u>6</u>	m	
13				
14	Single track	1022.1	m <sup>2</sup>	
15	Area of Side Silhouette	678.3	m <sup>2</sup>	
16	Area of Top Silhouette	313.1	m <sup>2</sup>	
17	Impediment Area (adjusted)	30.7	m <sup>2</sup>	
18				
19	Dual track	1322.1	m <sup>2</sup>	
20	Area of Side Silhouette	678.3		
21	Area of Top Silhouette	613.1		
22	Impediment Area (adjusted)	30.7		
23	( <b>,</b> ,			
24	Stop	82.1	m <sup>2</sup>	
25	Area of Side Silhouette	25.2		
26	Area of Top Silhouette	19.4		
27	Impediment Area (adjusted)	37.5	m <sup>2</sup>	
28	, ,			
29	Stops with dedicated landing areas	2	stops per km	
30	% of dual track	100%	stops per kill	
31	70 of dual frack	100 70		
32	Average area per unit length	1,486	m² per route-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		
	podioner dotor	1.0		



# **Fair Fare Formula**

# Summary

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

At 0.21 MYR per km, a typical commute on Transit X is 17% less than public transit and 74% less than a Taxi.\*

Trip I enath

										Trij	) LE	ng	ın		
All prices in MYR			R 2 km						10 km				40 km		
Transit X				<b>0.42</b> to 0.69 2 min., 3.6x faster				<b>2.06</b> to 3.45 8 min., 3.6x faster			ster	7.0 to 19 33 min., 3	3.47		
	blic t avera					2.3	33			(	3.7	1		5.4	14
sepou	T	ax	i		2	<b>3.2</b> to 6 m		S			<b>14.(</b> 30 m		es	<b>54</b> . 30 to 120	
Common public modes	Ube	er/L	yft		2	<b>2.</b> 4 to 6 m		S			<b>10.</b> 30 m		es	<b>38.</b> 30 to 120	
d uou	Publ	ic	Bus		3 1	<b>1.8</b> to 12 r		es		15 tc	<b>1.8</b> 60 r		es	<b>2.</b> 8 60 to 240	
Comr	Ti	raiı	n		21	<b>2.8</b> to 12 r		es		8 to	<b>3.3</b>		es	<b>5.</b> 230 to 240	
Pe	rson	al	car		2 t	<b>2.5</b> to 6 m		es		8 to :	<b>7.6</b>		tes	<b>26.</b> 30 to 120	
Travel mode	Sp	ivg. beed m/h	Low Speed km/h	High speed km/h	Base	Includ es km	Over per-km	Dist	Max Dist.	Time cost	6%	share 70%		* All number shares, sper are rough e	eds, and cos
Taxi	3	30	20	80	1.88	1		0.5	100	0.83	5%	4%	1%		
Uber/Lyft	3	30	20	80	1.50	1	0.75	0.5	100	0.42	10%	10%	2%		
Public Bus	-	15	10	40	1.88	20	0.05	0.5	50	0	50%	50%	40%		
Train	3	30	10	80	2.82	2	0.06	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.

0.03

0.21 0.1

0.63 0.1 400

72

30

72

20

72

80

0

1.25

Transit X

Personal car



# **Fair Fare Formula**

# Fare rates are updated annually using this formula

Global median household income. Updated annually based on most recent standard published data.		Name	Value	Units	Description of the value or model input	In USD
PercentincomePorTr	1	GlobalIncome	41,800	MYR		10,000
Section of the content of the conten	2		23,000	km	Travel distance per household per year on any mode for trips under 1600 km. A global constant	
Global Filation   0.38   MYFR/M   Global rates Global Income   Percentincome   Fortransport / All Travel   0.09   \$8,000   \$8,0	3		20%		% of median household income for all transportation under 1600 km trips. A global constant.	
Median household income at first stop (per person per day). External input. Based on reliable public data source updated annually.	4	•	0.36	MYR/km	•	0.09
Median household income at destination per trip. External input. Based on reliable public data updated annually.   Regional rate based on median income:   Mortification   M	5	IncomeFirst		MYR	Median household income at first stop (per person per day). External input. Based on reliable	\$8,000
RegionalRate	6	IncomeDest	\$50,160	MYR	Median household income at destination per trip. External input. Based on reliable public data	\$12,000
Nominal Pate   1,00	7	RegionalRate	0.29	MYR/km	Regional rate based on median income:	0.07
9 NominalFlate 1 0.36 MYR/Rm Nominal rate: Regional Rate + UnderincomeRate 9.09 Regional Flare Factor. Regionate upfront to make network financially viable. 9.09 Regional 6.295.01 MYR/Rm Regional adjusted rate: NominalRate * Regional Flare Factor. Regionate upfront to make network financially viable. 9.09 Population in regional placed on trusted public data source. 9.09 Population is regional. Under dark on unsted public data source. 9.09 Population is regional. Updated annually based on trusted public data source. 9.09 Population is region. Updated annually based on trusted public data source. 9.09 Population is region. Updated annually based on trusted public data source. 9.09 Population is region. Updated annually based on trusted public data source. 9.09 Population is region. Updated annually based on trusted public data source. 9.09 Population is region. Updated annually based on trusted public data source. 9.09 Population is region. Updated annually based on trusted public data source. 9.09 Population is region. Updated annually based on trusted public data source. 9.09 Population is region. Updated annually based on trusted public data source. 9.09 Population is region. Updated annually based on trusted public data source. 9.09 Population is region. Updated annually based on trusted public data source. 9.09 Population is region. Updated annually based on trusted public data source. 9.09 Population is region. Updated annually based on trusted public data source. 9.09 Population is region. Updated annually based on trusted public data source. 9.09 Population is region. Updated annually based on scale public data source. 9.09 Population is region. Updated annually based on actual passenger fros. 4.00 Population is region. Updated annually based on actual passenger fros. 4.00 Population is public data source. 9.09 Population is region. Updated annually based on actual passenger frose on actual passenger pod (Mithout discounts) 9.08 Population is regional passenger pod Mithout discounts. 9.00 Population is re	8	UnderIncomeRate	0.07	MYR/km	· ·	0.02
Regional Factor   1.00   AdjustedRate   3.6   MYR/km   Regional adjusted rate: NominaRate* Regional Ractor   0.09   0.0	9	NominalRate	0.36	MYR/km		0.09
11 AdjustedRate 0.38 MYR/Rm Regional adjusted rate: NominalRate * RegionalFactor   0.09   12 UsageMaxDiscount 5.0%   Fare Discount when Transit X travel per household equals AllTravel. Global constant.   14 PassengerTravel12,390,059,71 km   Total passenger distance traveled previous calendar year. Based on expected mode share for first 3 years. Basenger frisp. Audit 12   15 ModeShare 9%   PassengerTravel/(Population x AulTravel)   Percent of Total Travel Per Capita on Transit X: PassengerTravel/(Population x AulTravel)   16 BaseRate 0.35 MYR/km   PassengerTravel/(Population x AulTravel)   Percent of Total Travel Per Capita on Transit X: PassengerTravel/(Population x AulTravel)   17 SpecialRateFactor 2.20 MYR/km   Base rate for single-passenger pod (Without discounts)   0.08   18 SpecialRateFactor 0.77 MYR/km   Base rate for high-speed travel or water crossings or high-speed links. Global constant.   Max Distance-Discount or the continuation of the cont		RegionalFactor			<del>-</del>	
Population 6,290,100 Population in region. Updated annually based on trusted public data source.  Fare Discount when Transit X travel per household equals AllTravel. Global constant.  Total passenger flatance traveled previous calendar year. Based on expected mode share for first 3 years. Based on actual passenger trips. Audited.  ModeShare 9% Prement of Total Travel Per Capita on Transit X: PassengerTravel (Population x AllTravel)  BaseRate 0.35 MYR/km  SpecialRaseFator 2.20 Rase are for single-passenger pod (without discounts)  SpecialRaseFator 0.77 MYR/km  SpecialRaseFator 0.77 MYR/km  DistanceDiscount 40% DistanceDiscount with first 3 years for single-passenger pod (without discounts)  MaxDistanceDiscount 20% SpecialRaseFator 0.000278 MYR/km  SharedPodDiscount 20% Student discount at max distance. Global constant.  BaseRate x DistanceDiscount 20% Student discount at max distance. Global constant.  BaseRate x DistanceDiscount 20% Student discount at max distance. Global constant.  BaseRate x DistanceDiscount 20% Student discount at a decording to local regulations  Discount and previous action of the previous capital for shared podd Set by Transit X per year. 15% minimum and 30% maximum. Maximum yearly change is one percentage point.  BaseRate x (1 - SharedCompartment Discount 25% MYR/km  SharedCompartment Discount 25% MYR/km  SharedCompartment Discount 25% SharedCompartment 25% Premotion of the previous action of the pre	11	AdjustedRate	0.36	MYR/km		0.09
Total passenger distance traveled previous calendar year. Based on expected mode share for first 3 years. Based on actual passenger trips. Audited.  ModeShare 9% 9% Percent of Total Travel Per Capita on Transit X: Passenger Travel / (Population x AllTravel)  Base All Passenger Travel / (Population x AllTravel)  Base All Travel Per Capita on Transit X: Passenger pod (without discounts)  (1 - UsageMaxDiscount x AllTravel)  SpecialRaseFlator 0.77 MYPK/m 18 SepocialRaseFlator 0.77 MYPK/m 2.20 Nr MYPK	13	Population	6,290,100			
ModeShare   9%   Pressenger Inlave II 2,390,009,712 km   first 3 years. Based on actual passenger trips. Audited.	12	UsageMaxDiscount	50%		Fare Discount when Transit X travel per household equals AllTravel. Global constant.	
Percent of Total Travel Per Capita on Transit X: PassengerTravel / (Population x AllTravel)  Base Rate  0.35 MYR/km  SpecialBaseRate  0.77 MYR/km  Sase rate for high-speed travel or water crossings: BaseRate X: SpecialBaseRator  0.000278 Marxillater actor  10 DistanceDiscount  10 Max DistanceDiscount  10 PistanceDiscount  11 PistanceDiscount  12 SanirorDiscount  13 SuddentDiscount  14 O%  15 SanirorDiscount  15 SanirorDiscount  15 SanirorDiscount  15 SanirorDiscount  15 SanirorDiscount  15 SanirorDiscount  15 SharedPodRate  15 SharedPodRate  16 SharedPodRate  17 SharedCompartment  18 Saniror Saniror  18 S	14	PassengerTravel	2,390,059,71	I2 km		
10   10   10   10   10   10   10   10	15	ModeShare	9%		Percent of Total Travel Per Capita on Transit X:	
10   10   10   10   10   10   10   10	1.0	PagaPata	0.25	MAX/D//	Base rate for single-passenger pod (without discounts)	0.00
Base rate for high-speed travel or water crossings:  BaseRate * SpecialBaseRate  MAZDistanceDiscount  MAZDistanceD	10	baseriale	0.35	MYH/KM		0.08
DistanceDiscount   40%   DistanceDiscount   10%   DistanceDiscount   20%   SeniorDiscount   20%   StudentDiscount   20%   Student discount set according to local regulations   Disability discount set according to local regulations   Disability discount set according to local regulations   Discount   20%   DiscounteDiscount   20%   Discount for a shared pod. Set by Transit X per year. 15% minimum and 30% maximum.   Maximum yearly change is one percentage point.   Discount for shared compartment   20%   Discount for shared compartment. Set by Transit X per year. 25% minimum and 40% maximum.   20%   MYR/km   Rate for a shared compartment   20%   MYR/km   Rate for shared compartmentDiscount)   20%   MYR/km   Rate for shared compartmentDiscount   20%   MYR/km   Rate for a Senior taking a 500 km trip in a shared compartment.   20%   MYR/km   Rate for a Senior taking a 500 km trip in a shared compartmentDiscount)   20%   MYR/km   Rate for a Senior taking a 500 km trip in a shared compartment   20%   MYR/km   Rate for a Senior taking a 500 km trip in a shared compartmentDiscount)   20%   MYR/km   Rate for a Senior taking a 500 km trip in a shared compartment   20%   MYR/km   Rate for a Senior taking a 500 km trip in a shared compartment   20%   MYR/km   Rate for a Senior taking a 500 km						
MaxDistanceDiscount fit for the first of the	18	SpecialBaseRate	0.77	MYR/km		0.18
DistanceDiscountPe   Name   O.000278   MYR/km   Discount per km:   BaseRate x DistanceDiscount / MaxDistanceDiscount   O.000278   SeniorDiscount   O.000278   SeniorDiscount   O.000278   Senior Disability Discount   O.20%   Suddent discount set according to local regulations   Disability Discount   O.28   O.28   MYR/km   DiscountBase   O.28   MYR/km   DiscountBase   O.28   MYR/km   DiscountBase   O.28   MYR/km   DiscountBase   O.28   MYR/km   Discount   O.20%   DiscountBase   O.28   MYR/km   Discount   O.20%   O	19	DistanceDiscount	40%		•	
DistanceDiscountPortRM 2 SeniorDiscount 20% SeniorDiscount 20% StudentDiscount 20% DisabilityDiscount 20% DisabilityDiscount 20% DisabilityDiscount 20% DisabilityDiscount 20% DiscountBaseRate 0.28 MYR/km Discount set according to local regulations Disability discount set according to local regulations DiscountBaseRate x (1 - SeniorDiscount) Discount for a shared pod. Set by Transit X per year. 15% minimum and 30% maximum. Maximum yearly change is one percentage point.  MYR/km Discount for shared compartment. Set by Transit X per year. 25% minimum and 40% maximum. Maximum yearly change is one percentage point.  MYR/km BaseRate x (1 - SharedPodDiscount) Discount for shared compartment. Set by Transit X per year. 25% minimum and 40% maximum. Maximum yearly change is one percentage point.  MYR/km BaseRate x (1 - SharedCompartment BaseRate x (1 - SharedCompartment) Discount for shared compartment. Set by Transit X per year. 25% minimum and 40% maximum. Maximum yearly change is one percentage point.  MYR/km BaseRate x (1 - SharedCompartment) Discount for shared compartment. Set by Transit X per year. 25% minimum and 40% maximum. Maximum yearly change is one percentage point.  MYR/km BaseRate x (1 - SharedCompartmentDiscount)  MYR/km BaseRate x (1 - SharedCompartmentDiscount)  MYR/km BaseRate x (1 - SharedCompartmentDiscount)  MYR/km BaseRate x (1 - SeniorDiscountAmount) x (1 - SharedCompartmentDiscount) x (1 - MaxDistanceDiscount)  MYR/km BaseRate x (1 - SeniorDiscountAmount) x (1 - SharedCompartmentDiscount) x (1 - MaxDistanceDiscount)  MYR/km BaseRate x (1 - SeniorDiscountAmount) x (1 - SharedCompartmentDiscount) x (1 - MaxDistanceDiscount)  Discount for a shared pod. Set by Transit X per year. 15% minimum and 30% maximum. Maximum yearly change is one percentage point.  MYR/km BaseRate x (1 - Shared	20		500	km	Max distance discount. Global constant.	
SeniorDiscount 20% Senior discount set according to local regulations Disability Discount 20% Discount Student Disability Discount set according to local regulations Disability Discount 20% Discount set according to local regulations Disability Discount set according to local regulations Discount for a shared pod. Set by Transit X per year. 15% minimum and 30% maximum. Maximum yearly change is one percentage point.  SharedCompartment Discount Discount for shared compartment. Set by Transit X per year. 25% minimum and 40% maximum. Maximum yearly change is one percentage point.  Rate O.21 MYR/km  SingleOccupancyMa XDistance Senior + SingleOccupancyMa XDistance Senior + Rate O.10 MYR/km  SharedCompartment Rate O.10 MYR/km  Senior + SingleOccupancyMa XDistance Senior + Rate for a Senior taking a 500 km trip in a shared compartment.  BaseRate x (1 - SeniorDiscountAmount) x (1 - SharedCompartmentDiscount) x (1 - MaxDistanceDiscount)  SharedCompartment Rate O.10 MYR/km  SharedCompartment BaseRate x (1 - SeniorDiscountAmount) x (1 - SharedCompartment.  BaseRate x (1 - SeniorDiscountAmount) x (1 - SharedCompartmentDiscount)	21	DistanceDiscountPe	0.000278	MYR/km	·	
Student Discount Disability Discount 20% Disability Discount set according to local regulations Disability Discount 20% Disability discount set according to local regulations Disability Discount 20% Disability discount set according to local regulations Disability Discount 20% Discount for a shared base rate: BaseRate x (1 - SeniorDiscount) Discount for a shared pod. Set by Transit X per year. 15% minimum and 30% maximum. Maximum yearly change is one percentage point.  SharedCompartment Discount 40% Pase PaseRate x (1 - SharedPodDiscount) Discount for shared compartment. Set by Transit X per year. 25% minimum and 40% maximum. Maximum yearly change is one percentage point.  MYR/km Rate for a shared pod. Set by Transit X per year. 15% minimum and 40% maximum. Maximum yearly change is one percentage point.  No.07  SharedCompartment Rate 0.21 MYR/km Rate for shared compartment BaseRate x (1 - SharedCompartment BaseRate x (1 - SharedCompartment BaseRate x (1 - SharedCompartment Discount)  No.05  Senior + O.10 MYR/km Rate for 500 km in single-passenger pod.  Rate for a Senior taking a 500 km trip in a shared compartment.  BaseRate x (1 - SeniorDiscountAmount) x (1 - SharedCompartmentDiscount) x (1 - SharedCompartment	22	SeniorDiscount	20%			
Disability Discount 20% Disability discount set according to local regulations  DiscountBaseRate 0.28 MYR/km Discounted base rate: BaseRate x (1 - SeniorDiscount)  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.  SharedCompartment Discount for Shared compartment. Set by Transit X per year. 25% minimum and 40% maximum. Maximum yearly change is one percentage point.  Rate for a Shared Compartment Bate 3 SharedCompartment Rate 2 SharedCompartment Rate 3 SingleOccupancyMa xDistance 3 Senior + Rate for Shared Compartment Rate 4 SharedCompartment Rate 5 SharedCompartment Rate 5 SharedCompartment Rate 5 SharedCompartment Rate 6 SharedCompartment Rate 6 SharedCompartment Rate 7 SharedCompartment Rate 7 SharedCompartment Rate 8 SharedCompartment Rate 8 SharedCompartment Rate 7 SharedCompartment Rate 8 SharedCompartment Rate 9 SharedCompartment Rate 8 SharedCompart		StudentDiscount	20%			
DiscountBaseRate   D.28   MYR/km   Discounted base rate: BaseRate x (1 - SeniorDiscount)   Discount for a shared pod. Set by Transit X per year. 15% minimum and 30% maximum. Maximum yearly change is one percentage point.   Rate for a shared pod: BaseRate x (1 - SharedPodDiscount)   Discount for shared compartment. Set by Transit X per year. 25% minimum and 40% maximum. Maximum yearly change is one percentage point.   Discount for shared compartment. Set by Transit X per year. 25% minimum and 40% maximum. Maximum yearly change is one percentage point.   Discount for shared compartment. Set by Transit X per year. 25% minimum and 40% maximum. Maximum yearly change is one percentage point.   Rate for SharedCompartment BaseRate x (1 - SharedCompartment)   Discount for shared compartment BaseRate x (1 - SharedCompartment)   Discount for shared compartment BaseRate x (1 - SharedCompartment)   Discount for shared compartment BaseRate x (1 - SharedCompartment)   Discount for shared compartment BaseRate x (1 - SharedCompartment)   Discount for shared compartment BaseRate x (1 - SharedCompartment)   Discount for shared compartment BaseRate x (1 - SharedCompartment)   Discount for shared compartment BaseRate x (1 - SharedCompartment)   Discount for shared compartment BaseRate x (1 - SharedCompartment)   Discount for shared compartment BaseRate x (1 - SharedCompartment)   Discount for shared compartment for shared for shared compartment for shared compartment for shared compartment for shared compartment for shared for shared compartment for shared		DisabilityDiscount				
Discount for a shared pod. Set by Transit X per year. 15% minimum and 30% maximum. Maximum yearly change is one percentage point.  Rate for a shared pod. BaseRate x (1 - SharedPodDiscount)  Discount for shared compartment. Set by Transit X per year. 25% minimum and 40% maximum. Maximum yearly change is one percentage point.  Rate for shared compartment BaseRate x (1 - SharedPodDiscount)  MYR/km  Rate for shared compartment BaseRate x (1 - SharedPodDiscount)  NYR/km  Rate for shared compartment BaseRate x (1 - SharedPodDiscount)  NYR/km  Rate for shared compartment BaseRate x (1 - SharedPodDiscount)  NYR/km  Rate for shared compartment BaseRate x (1 - SharedPodDiscount)  NYR/km  Rate for shared compartment BaseRate x (1 - SharedPodDiscount)  NYR/km  Rate for shared compartment BaseRate x (1 - SharedPodDiscount)  NYR/km  Rate for shared compartment BaseRate x (1 - SharedPodDiscount)  NYR/km  Rate for shared compartment BaseRate x (1 - SharedPodDiscount)  NYR/km  Rate for shared compartment BaseRate x (1 - SharedPodDiscount)  NYR/km  Rate for shared compartment BaseRate x (1 - SharedPodDiscount)  NYR/km  Rate for shared compartment BaseRate x (1 - SharedPodDiscount)  NYR/km  Rate for shared compartment BaseRate x (1 - SharedPodDiscount)  NYR/km  Rate for shared compartment BaseRate x (1 - SharedPodDiscount)  NYR/km  Rate for shared compartment BaseRate x (1 - SharedPodDiscount)  NYR/km  Rate for shared compartment BaseRate x (1 - SharedPodDiscount)  NYR/km  Rate for shared compartment Set by Transit X per year. 25% minimum and 40% maximum.  Naximum yearly change is one percentage point.  Rate for shared compartment Set by Transit X per year. 25% minimum and 40% maximum.  Naximum yearly change is one percentage point.  Rate for shared compartment Set by Transit X per year. 25% minimum and 40% maximum.  Naximum yearly change is one percentage point.  Rate for shared compartment Set by Transit X per year. 25% minimum and 40% maximum.  Naximum yearly change is one percentage point.  Rate for shared Compartment Set by	24	DiscountBaseRate		MYR/km		0.07
SharedCompartment Discount Rate 0.21 MYR/km Rate for a shared pod: BaseRate x (1 - SharedPodDiscount)  Naximum yearly change is one percentage point.  Rate for shared compartment BaseRate x (1 - SharedCompartment Maximum yearly change is one percentage point.  Rate for shared compartment BaseRate x (1 - SharedCompartment Maximum yearly change is one percentage point.  Rate for shared compartment BaseRate x (1 - SharedCompartment)  NYR/km BaseRate x (1 - Shared Compartment)  NYR/km SaseRate x (1 - Shared Compartm		SharedPodDiscount			Discount for a shared pod. Set by Transit X per year. 15% minimum and 30% maximum.	
Discount for shared compartment. Set by Transit X per year. 25% minimum and 40% maximum. Maximum yearly change is one percentage point.    SharedCompartment Rate Rate   New Part Part Rate   SingleOccupancyMa xDistance   New Part Part Rate   New Part Part Part Part Part Part Part Part	26	SharedPodRate	0.28	MYR/km		0.07
SharedCompartment Rate 0.21 MYR/km BaseRate x (1 - SharedCompartment BaseRate x (1 - SharedCompartmentDiscount)  9 SingleOccupancyMa xDistance  10 Senior + SharedCompartment Rate  10	27				Discount for shared compartment. Set by Transit X per year. 25% minimum and 40% maximum.	
SingleOccupancyMa xDistance 0.24 MYR/km Rate for 500 km in single-passenger pod.  Senior + 30 SharedCompartment Rate 0.10 MYR/km BaseRate x (1 - SeniorDiscountAmount) x (1 - SharedCompartmentDiscount) x (1 - MaxDistanceDiscount)  50PctIncomeAtDest 25% BaseRate x (1 - SeniorDiscountAmount) x (1 - SharedCompartmentDiscount) x (1 - MaxDistanceDiscount)  DistanceBase 9,168,644,187 km Passenger distance under base fare. DistanceBase / Passenger distance under base fare: DistanceBase / Passenger distance under base fare: DistanceBase / PassengerTravel  BaseRevenue 2,356,538,924 MYR Annual revenue from all travel under base rate. Audited value from operational data. Average fare discount from Base Rate: 1 - (BaseRevenue / (DistanceDase x BaseRate))  MarketFactor 1.0 Market factor. Negotiated value for setting ratio of AverageDiscount Cap on passenger travel distance at market rate: AverageDiscount x MarketFactor  Cap on passenger travel distance at market rate:  AverageDiscount x MarketFactor  Cap on passenger travel distance at market rate:  Cap on passenger travel distance at market rate:	28		0.21	MYR/km	Rate for shared compartment	0.05
Rate for a Senior taking a 500 km trip in a shared compartment.  BaseRate x (1 - SeniorDiscountAmount) x (1 - SharedCompartmentDiscount) x (1 - MaxDistanceDiscount)  50PctIncomeAtDest 25%	29	SingleOccupancyMa		MYR/km		
SharedCompartment Rate  0.10 MYR/km BaseRate x (1 - SeniorDiscountAmount) x (1 - SharedCompartmentDiscount) x (1 - MaxDistanceDiscount)  50PctIncomeAtDest 50PctIncomeAtDest 25%  Wigher fare rate if Destination has 50% higher median income than First (IncomeDest / IncomeFirst - 1) / 2  DistanceBase 9,168,644,187 km Passenger distance under base fare. Audited value from operational data.  PercentBase 74%  BaseRevenue 2,356,538,924 MYR Annual revenue from all travel under base rate. Audited value from operational data.  AverageDiscount 26%  AverageDiscount 1 - SharedCompartmentDiscount) x (1 - SharedCompartmentDis		xDistance	U.L.	WITTER		
Composition	30	SharedCompartment	0.10	MYR/km	BaseRate x (1 - SeniorDiscountAmount) x (1 - SharedCompartmentDiscount) x (1 -	0.02
DistanceBase 9,168,644,187 km Passenger distance under base fare. Audited value from operational data.  Percent of passenger distance under base fare:  DistanceBase / PassengerTravel  BaseRevenue 2,356,538,924 MYR Annual revenue from all travel under base rate. Audited value from operational data.  AverageDiscount 26% AverageDiscount 26% Average fare discount from Base Rate:  1 - (BaseRevenue / (DIstanceDase x BaseRate))  MarketFactor 1.0 Market rate factor. Negotiated value for setting ratio of AverageDiscount  Cap on passenger travel distance at market rate:  AverageDiscount x MarketFactor  Cap on passenger travel distance at market rate:  Cap on passenger travel distance at market rate:	31	50PctIncomeAtDest	25%			
Percent of passenger distance under base fare:  DistanceBase / PassengerTravel  34 BaseRevenue 2,356,538,924 MYR Annual revenue from all travel under base rate. Audited value from operational data.  Average Discount 26% Average fare discount from Base Rate:  1 - (BaseRevenue / (DIstanceDase x BaseRate))  MarketFactor 1.0 Market rate factor. Negotiated value for setting ratio of AverageDiscount  Cap on passenger travel distance at market rate:  AverageDiscount x MarketFactor  Cap on passenger travel distance at market rate:  AverageDiscount x MarketFactor  Cap on passenger travel distance at market rate:	32	DistanceBase 9	,168,644,18	7 km	,	
BaseRevenue 2,356,538,924 MYR Annual revenue from all travel under base rate. Audited value from operational data.  Average fare discount from Base Rate:  1 - (BaseRevenue / (DIstanceDase x BaseRate))  MarketFactor  MarketFactor  AverageDiscount  Cap on passenger travel distance at market rate:  AverageDiscount x MarketFactor  Cap on passenger travel distance at market rate:  AverageDiscount x MarketFactor  Cap on passenger travel distance at market rate:	33				Percent of passenger distance under base fare:	
1 - (BaseRevenue / (DistanceDase x BaseRate))  MarketFactor  1.0 Market rate factor. Negotiated value for setting ratio of AverageDiscount  Cap on passenger travel distance at market rate:  AverageDiscount x MarketFactor  Ray MarketTravelCap 2 305 301 188 km  1 - (BaseRevenue / (DistanceDase x BaseRate))  Market rate of AverageDiscount  Cap on passenger travel distance at market rate:	34	BaseRevenue 2	2,356,538,92	4 MYR	•	
MarketFactor 1.0 Market rate factor. Negotiated value for setting ratio of AverageDiscount  Cap on passenger travel distance at market rate:  AverageDiscount x MarketFactor  Cap on passenger travel distance at market rate:  AverageDiscount x MarketFactor  Cap on passenger travel distance at market rate:	35	AverageDiscount	26%		· · · · · · · · · · · · · · · · · · ·	
AverageDiscount x MarketFactor  Cap on passenger travel distance at market rate:	36	MarketFactor	1.0		· · · · · · · · · · · · · · · · · · ·	
	37	MarketRateCap	26%		, , <del>,</del>	
	38	MarketTravelCap 2	2,395,301,18	8 km		

# **Project Summary**

**Project** A fully-automated, solar-powered, micro-rail **Description** network. A transportation utility.

**Project type Sustainable Transportation Infrastructure** 

Design, Build, Finance, Own, Operate, Maintain

(DBFOOM)

Project equity US\$411 million (30% of total)

Cost to Gov't \$0

Structure Privately financed equity and debt

Debt term 10 years @ 7%

Equity terms A waterfall profit distribution per year with:

1. 90% until capital payback,

2. then 50% until Target% is reached

3. then 10%

Taxes & Fees \$71,469,654 per year

Benefits to

society and Extremely high environment

on vinorimon

Estimated return 35% average IRR at 5 yrs 43% average IRR at 10 yrs

Financials (US\$ in millions)	Year 1	Total Years 1-12
Gross Revenues	479	13,902
Taxes and fees	24	695
Debt service	\$67	\$738

# ESG (Environmental, Social, Governance) Benefits

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

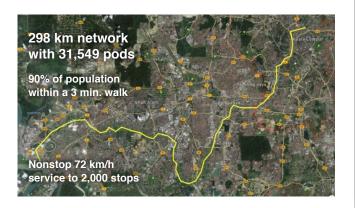




Transit X presents a preliminary proposal for a sustainable micro-rail network – a fleet of automated electric vehicles (pods) for passengers and freight on a local and regional podway providing equitable public transportation for

## Klang River, Selangor, Malaysia

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	Available	Yes
<b>Outdoor Test Track</b>	Nov 2019	Yes
Rider-Revenue study	Preliminary	Yes
<b>Environmental study</b>	Per region	Yes
Air rights	Per project	Yes
Permitting	Per project	Yes
Safety certification	Per country	Yes
Construction firm	Per project	Yes
Design and major subs	Per project	Yes
<b>Operations &amp; Maint</b>	Partners	Yes
Utility relocation	Per project	Agreements

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**

Route length (km) 298

Starting number of pods 10,411

Projected revenue growth 15%

Project Cost (Privately funded) \$1,369,248,890

% Debt financed 70%

Debt \$958,474,223

**Equity** \$410,774,667

Debt payment (per year) \$67,093,196

Travel per year per pod (km) 168,190

Revenue per vehicle-km (US\$) 0.27

OPEX as % of project cost 5%

Debt Interest rate 7%

Debt term (yrs) 10

Profit share when below capital return 90%

Profit share when below Target IRR 50%

Profit share when above Target IRR 10%

### **Pro Forma**

	rears 0			2	3	4	3	0	,	0	y	10	"	12
Revenue	(	0 47	9,361,801	551,266,071	633,955,982	729,049,379	838,406,786	964,167,804	1,108,792,975	1,275,111,921	1,466,378,709	1,686,335,515	1,939,285,843	2,230,178,719
5% RoW÷tax÷fee	9 0%	6 2	3,968,090	27,563,304	31,697,799	36,452,469	41,920,339	48,208,390	55,439,649	63,755,596	73,318,935	84,316,776	96,964,292	111,508,936
Debt service	(	0 \$6	7,093,196	\$67,093,196	\$67,093,196	\$67,093,196	\$67,093,196	\$67,093,196	\$67,093,196	\$67,093,196	\$67,093,196	\$67,093,196	\$67,093,196	\$67,093,196
Investor share	(	0 25	9,068,838	235,007,788	89,309,066	96,217,241	104,161,641	113,297,701	123,804,170	135,886,610	149,781,416	165,760,442	184,136,323	205,268,585
Investor share (%)	)		90%	69%	22%	21%	19%	18%	17%	16%	15%	14%	14%	13%
Share / Orig Capita	al 0%	6	63%	57%	22%	23%	25%	28%	30%	33%	36%	40%	45%	50%
IRR to date	los	ss	(37%)	13%	24%	30%	35%	38%	40%	41%	42%	43%	43%	44%

#### **Important Notices**

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

# **Jobs Report**

1	Annual median household income (US\$)	\$8,000
2	CAPEX	
3	Average gross CAPEX salary (% of median HH)	125%
4	Average gross CAPEX salary	\$10,000
5	% of CAPEX as salary	15%
6	Years of CAPEX	2
7	# of CAPEX jobs	10,269
8	% of jobs that are manufacturing vs. construction	75%
9	Manufacturing jobs	7,702
10	Construction jobs	2,567
11	OPEX	
12	Average gross OPEX salary (% of median HH)	115%
13	Average gross OPEX salary	\$9,200
14	% of OPEX as salary	30%
15	Operations and Maintenance jobs	2.232