



MINISTRY OF TRANSPORT
AND ROAD SAFETY



JERUSALEM TRANSPORTATION
MASTER PLAN TEAM



It's great
to live in
Jerusalem
www.jerusalem.muni.il

THE JERUSALEM LIGHT RAIL **blue**line



Get on board with success

Agenda

01|

Jerusalem
Israel's largest
Metropolis

02|

JNET's Vision
for Jerusalem

03|

Jerusalem's
leadership in
transportation

04|

The JNET tender
success story

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Kick start the
Blue Line process

01|

Jerusalem
Israel's
largest
Metropolis



Jerusalem Facts and figures

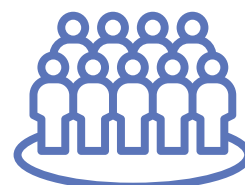


Tourism

2018 → 3.9
Million tourists

2019 → 4.6
Million tourists

All tourists coming
to Israel
visit Jerusalem



Population
920,000

2.1%
Natural growth

3.9
Average No.
of People
per Household

7,200
People population
density
per square km



Business & Employment

68%
Rate of
employment
total population

40,432
local businesses

1.6%
Local business
growth per year



Education

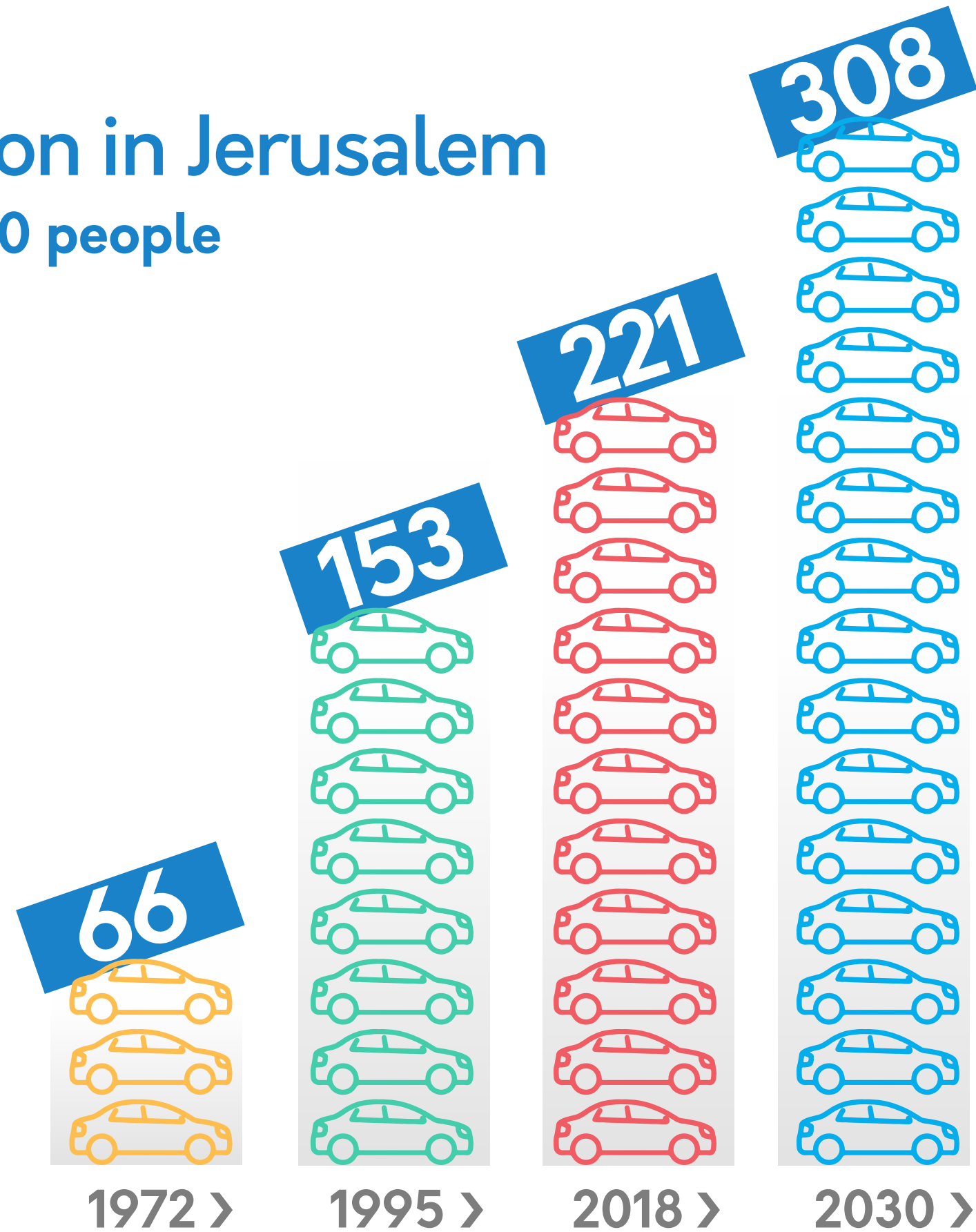
265,500
Elementary and
high school students

40,000
Higher education
students

14
Academic
institutions

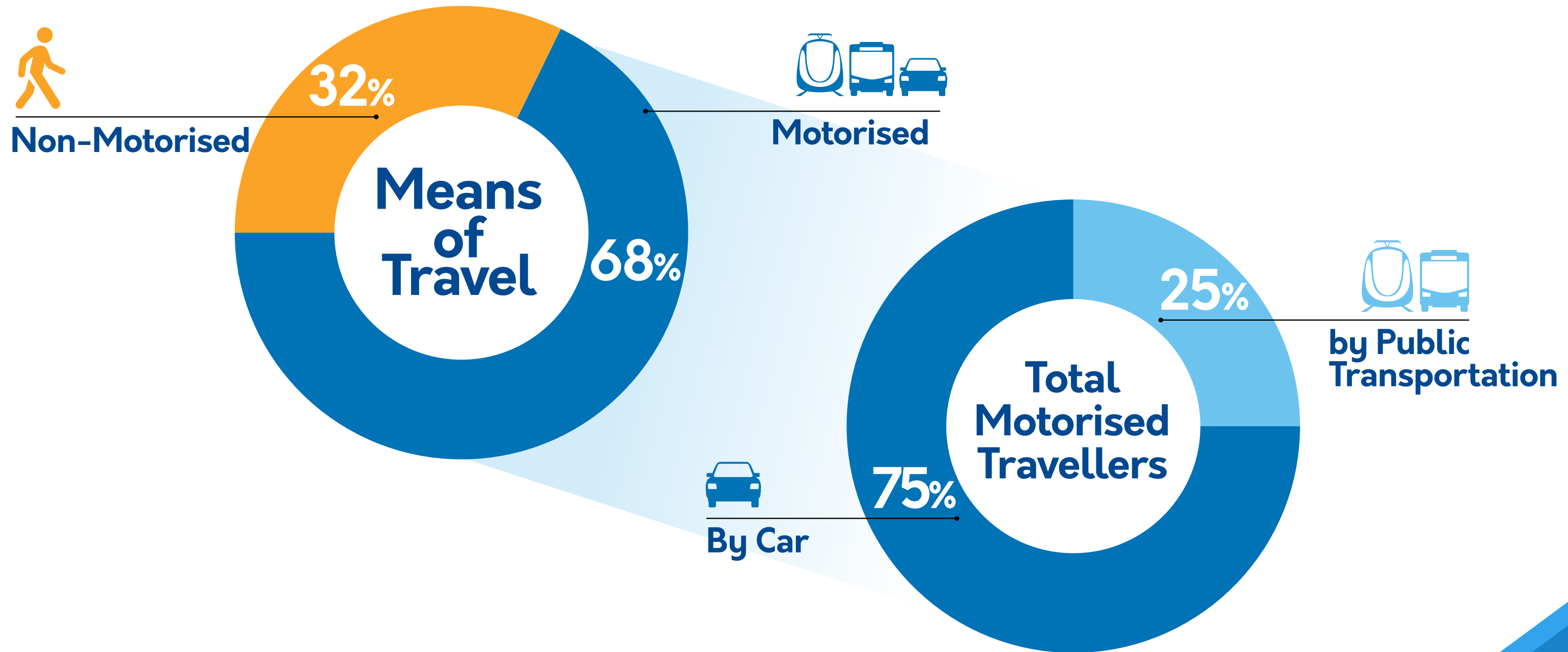
Transportation in Jerusalem

Vehicles per 1000 people



Transportation in Jerusalem

How people travel by means of transportation



02 | JNET's Vision for Jerusalem



JNET's Vision

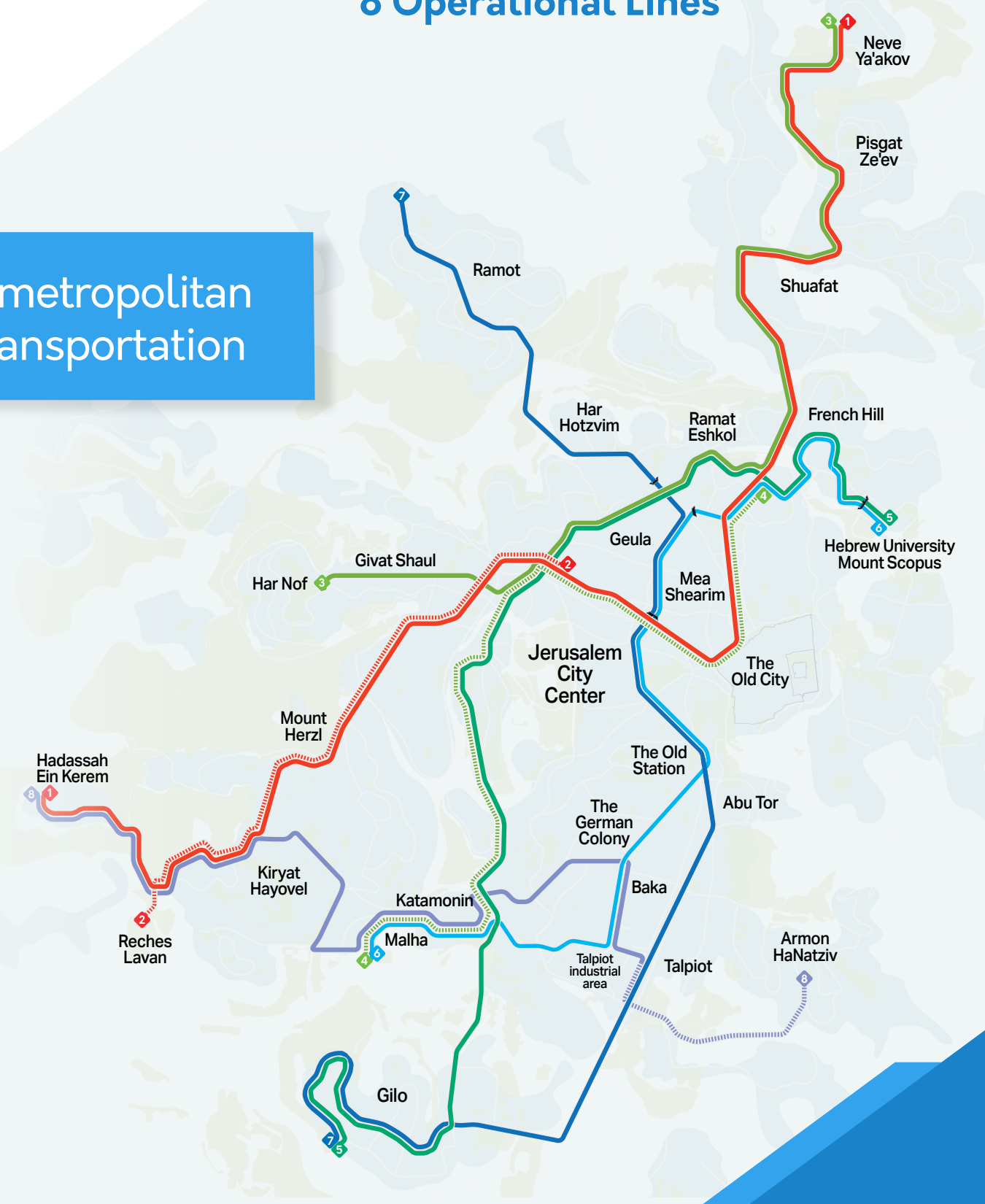
Transform the Jerusalem metropolitan
to a national leader in Public transportation

Present the capital's residents and visitors
with a state of the art LRT network

Restore & Renew
the city's urban sphere

Jerusalem LRT Network 8 Operational Lines

- 1 Neve Yaacov - Hadassah Ein Karem
- 2 Central Bus Station -Reches Lavan
- 3 Neve Ya'akov - Har Nof
- 4 Givat Hatachmoshet - Malha
- 5 Mount Scopus - Gilo
- 6 Mount Scopus - Malha
- 7 Ramot - Gilo
- 8 Hadassah Ein Kerem - Talpiot/ Armon HaNatziv

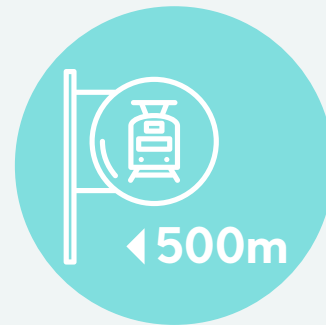


2028 A brand new Urban Reality for Jerusalem



Modal split

40% of people using motorized transportation in Jerusalem will choose to use the public transportation network on a daily basis



Walkability

650K of the city's residents will benefit from an LRT station located approximately 500 meters away



Urban renewal

Along the Blue Line route you will find 23k new housing units, business centers development and infrastructure projects to benefit from the LRT



Connectivity

The LRT will be the backbone of the city's public transportation network

03 |

Jerusalem's leadership in public transportation



03 |

Jerusalem's
leadership
in public
transportation

Israel is to invest 210B NIS
in public transportation

Estimated Investments in
the JNET project 11.5B NIS

03

Jerusalem's
leadership
in public
transportation

Jerusalem A national LRT Lab

Jerusalem is the first city in Israel to offer its residents and visitors LRT services since 2011 and they love it!

170K Daily passenger trips

60-80% Rise of Housing prices along the redline in the last decade

Thanks to the LRT Jerusalem's Jaffa St. is ranked 2nd most successful business street in Israel! [themarket.com July 2018]

04|

The JNET tender success story



Laying infrastructure for your success

The winning consortium will have all infrastructures ready to go:



Detailed
design



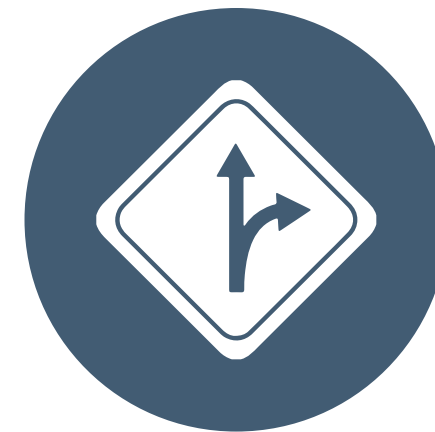
Preparation of
infrastructure
for the rails



Final
geometry of
the street



Work and
construction
permits



Approved
traffic
arrangements

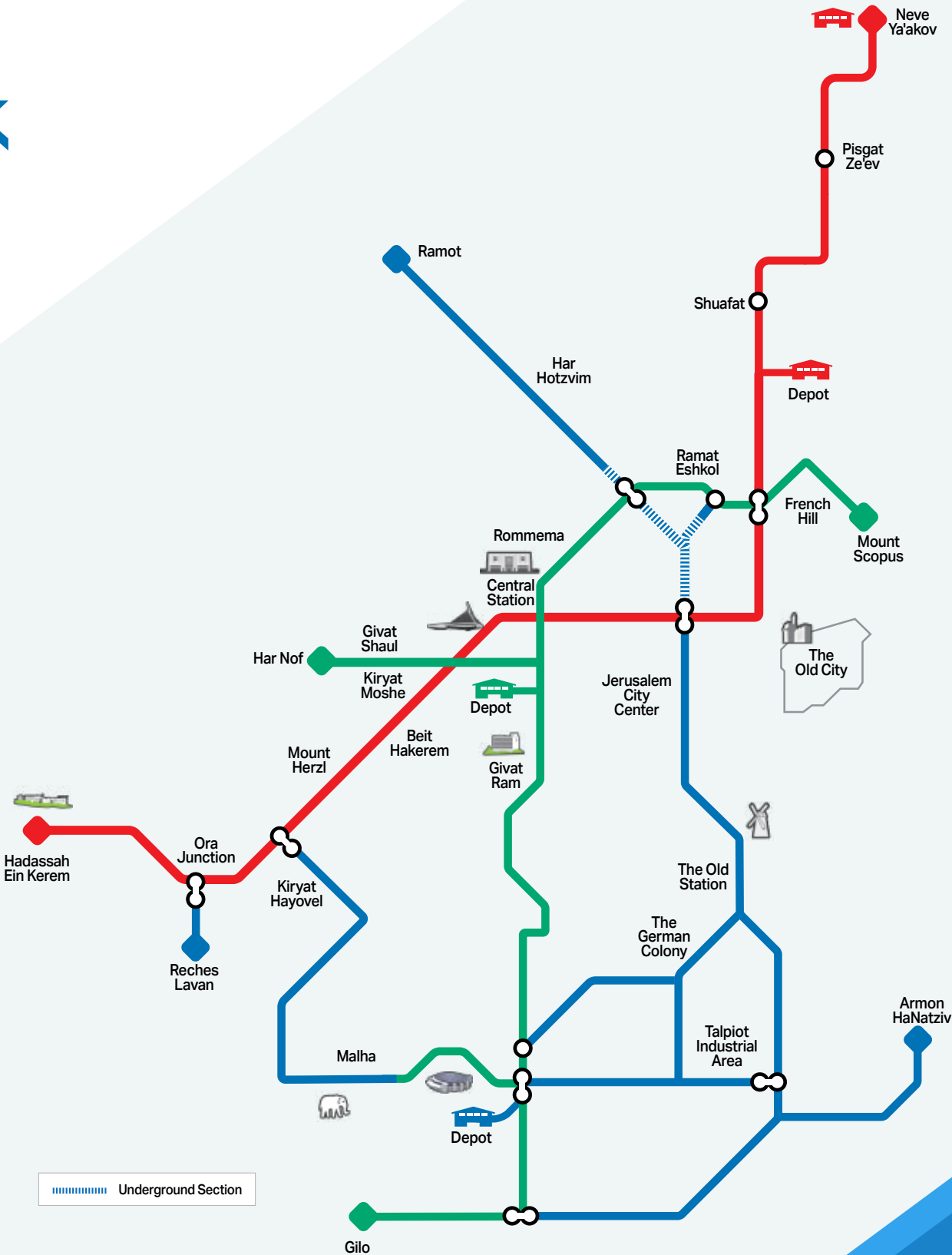


Design of
prioritization
at traffic lights



The Jerusalem LRT Network Facts & Figures

	Red Corridor	Green Corridor	Blue Corridor
Track Length (km)	21.5	20	31 (2.5 underground)
Number of Stations	36	41	53 (3 Underground)
Number of Rectifier Rooms	17	19	13
Number of Junctions	84	89	68
Depot & Stabling	French Hill Depot: Capacity – 71 vehicles Neve Yaakov Stabling: Capacity – 24 vehicles Network: Secondary OCC	Lot 25 Depot: Capacity – 50 vehicles Network: Primary OCC	Malha depot: Capacity-122 vehicles Blue Line Secondary OCC
Rolling Stock	<ul style="list-style-type: none"> • 100% low floor vehicles • Complex traction package for enabling ascent on 9% slopes • Doors on double-sided vehicles • Bi directional vehicles 		



05|

Kick-Start The Blue Line process



The Blue Line Facts and figures

31 km of tracks

2.5 km of Underground Segments

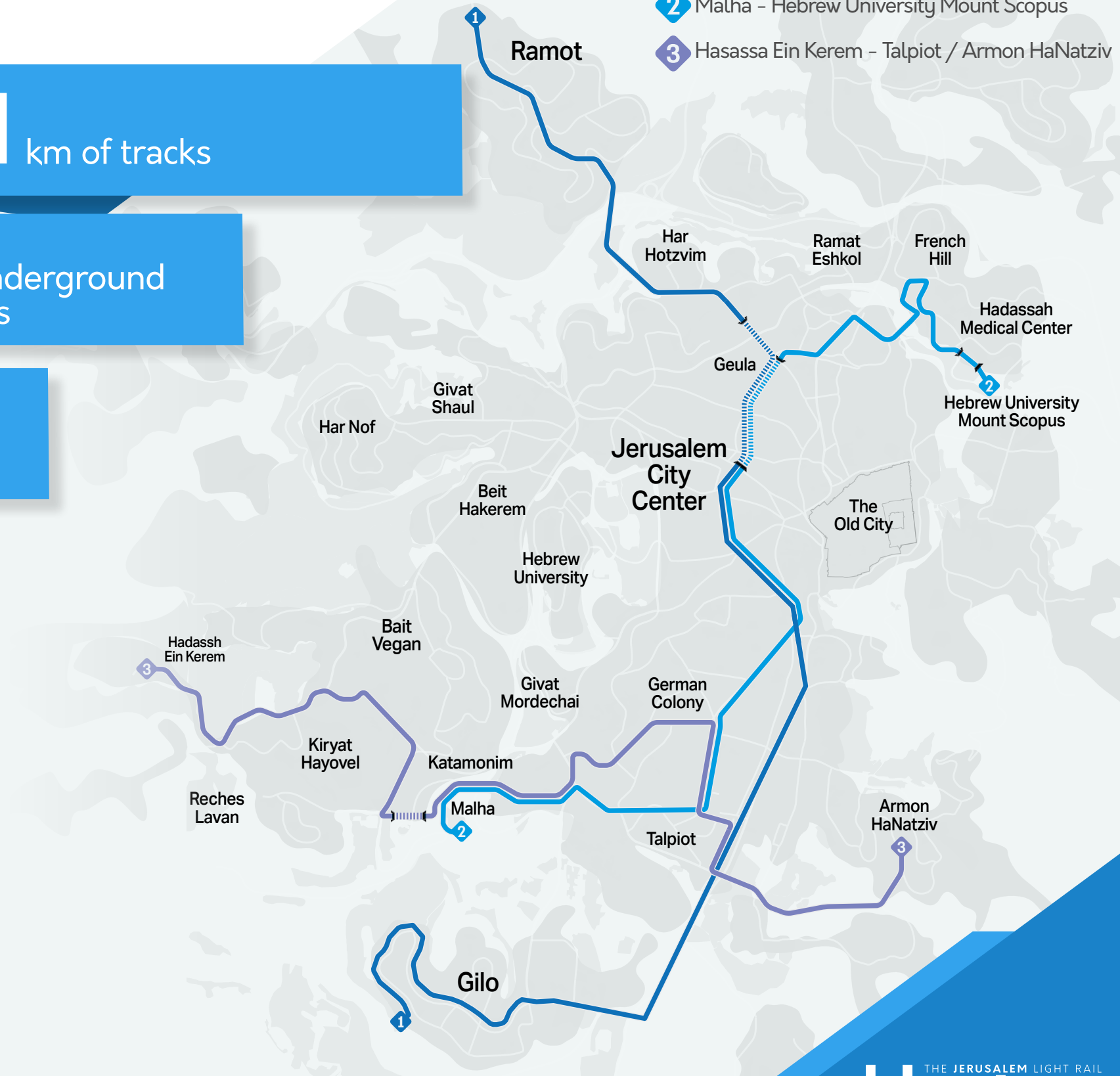
53 Stations Including 3 underground stations

122 Vehicles at the Malha depot
Blue Line Secondary OCC

250 Thousand Passengers
per daya

The Blue Line will include
3 main service lines:

- 1 Gilo - Ramot
- 2 Malha - Hebrew University Mount Scopus
- 3 Hasassa Ein Kerem - Talpiot / Armon HaNatziv



Going Underground

The underground section on the Blue Line

Urban Nature dictates underground solutions:

- Principal urban streets
- Intensive pedestrian traffic.
- Intensive mixed uses along the alignment.

2.5 Km Length

- South portal about 70m length
- North portal about 140m length

3 Underground stations

- Mea Shearim-140m length
- Yehezkel-160m length
- Bar Ilan-150m length

All station will have a mezzanine and platform levels in cross section of about 12.7m wide and 11.4m high

The crossing of the Red Line on Jaffa street to be at-grade

Single elliptical tunnel section about 10.9m wide and 7.8m high connecting between underground stations



The Underground Segment

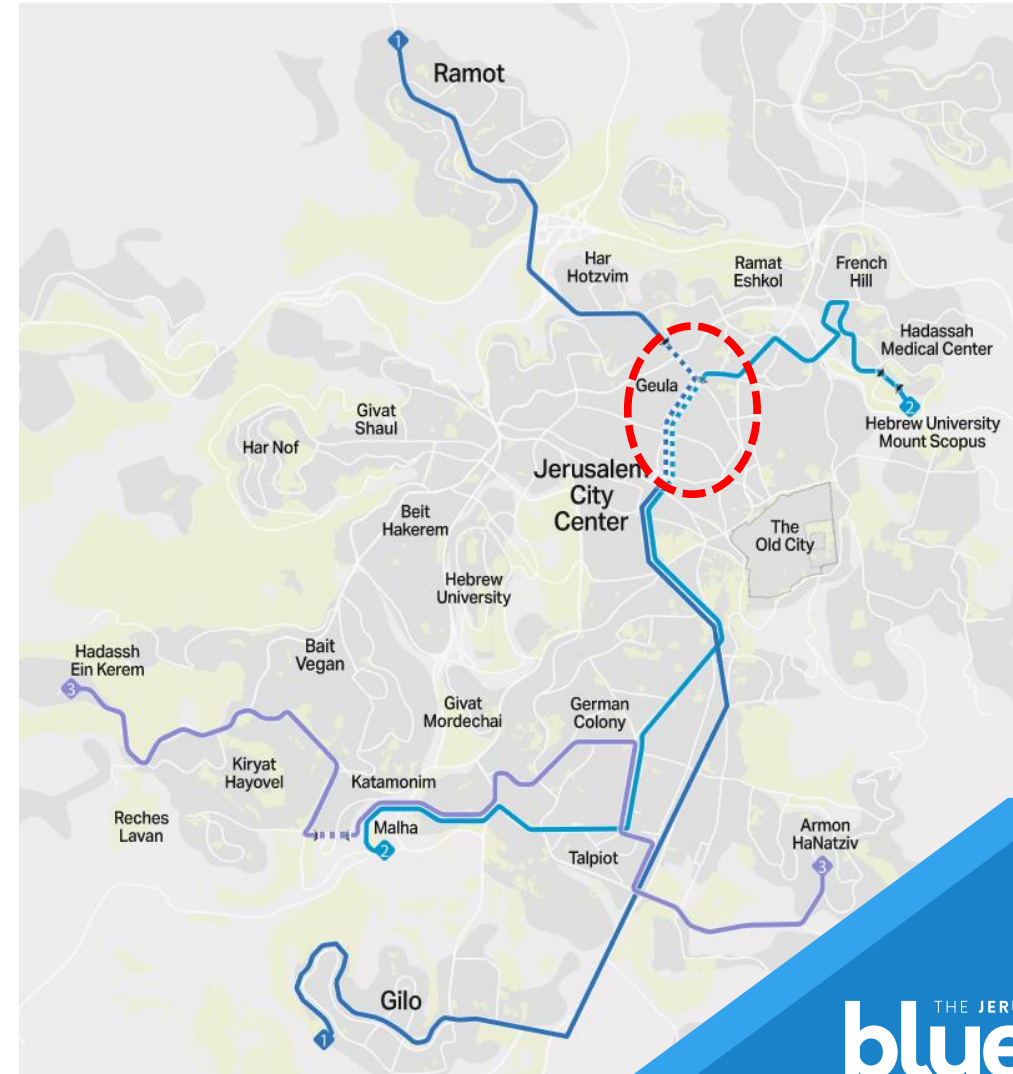
The underground Section - will run through a 2km. Including:

- a) **South portal**
- b) **Single running tunnel** connecting between underground stations
- c) **Three underground stations:** Strauss, Yehezkel and Bar Ilan.
- d) **Direct connection concourse level** - in Bar Ilan underground station to J-net At-Grade station.
- e) **North portal**

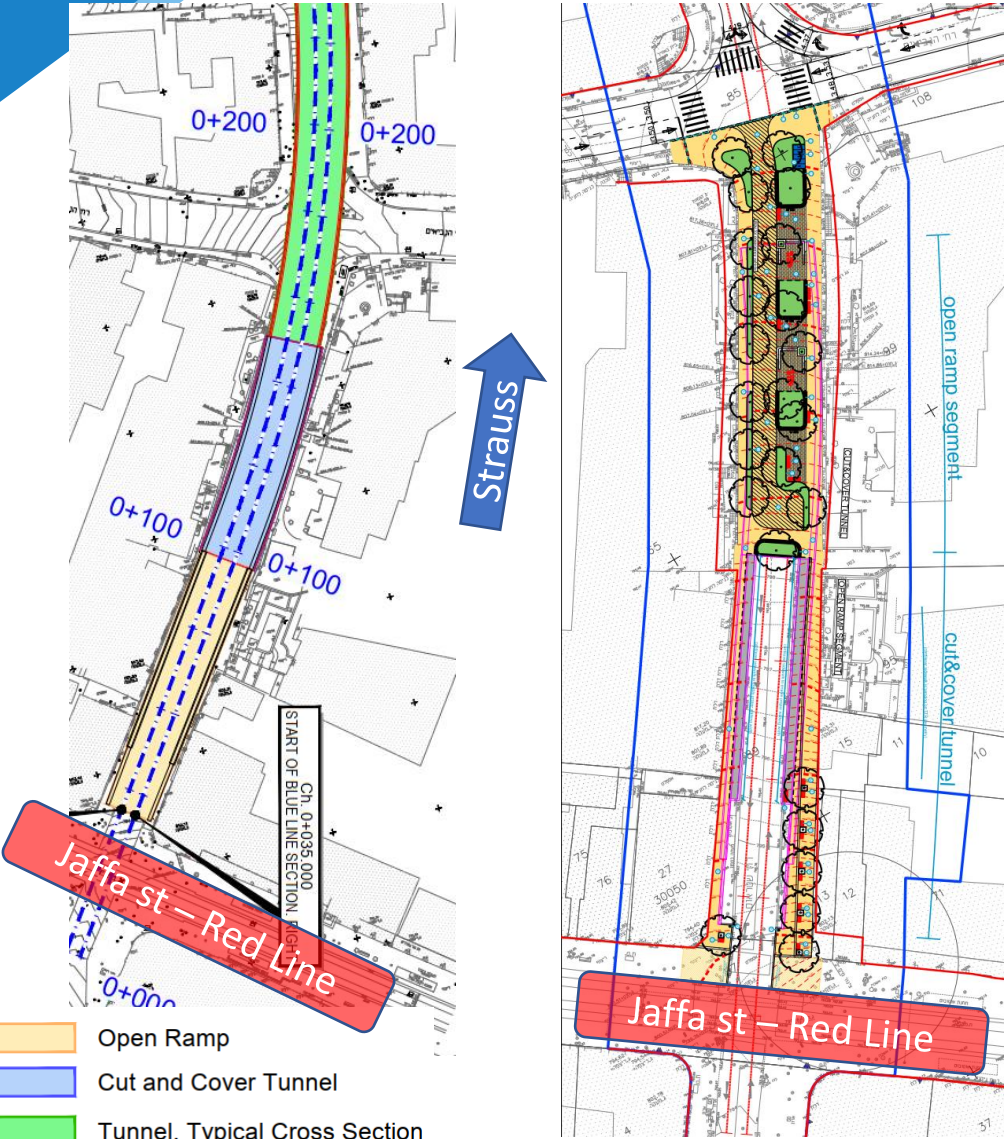
All the underground station will serve as shelters. The station's connection to the running tunnel will have blast doors used to close the station in an emergency.

Light Blue Branch -

- a) **Shimon hazadik portal** connected to underground with and running tunnel.
- b) **At-Grade Segment.**

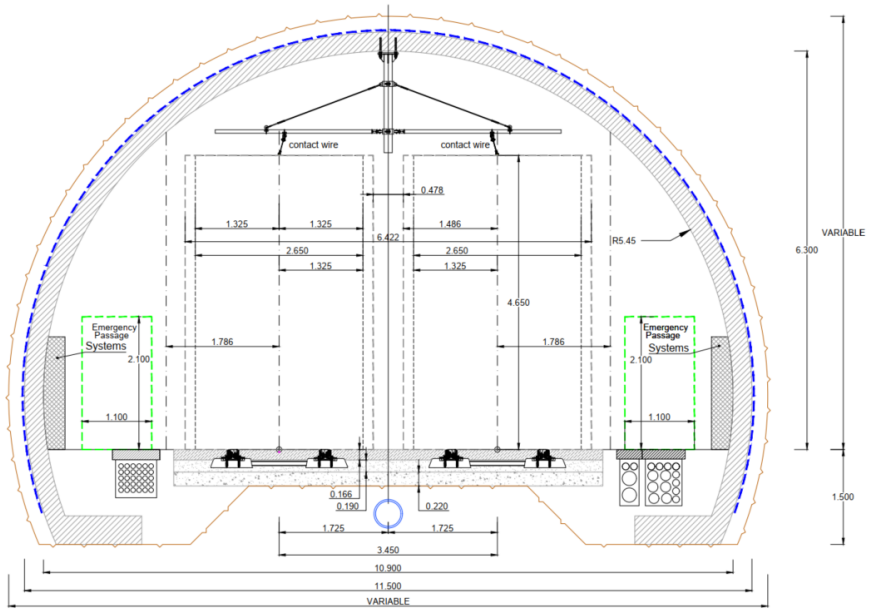
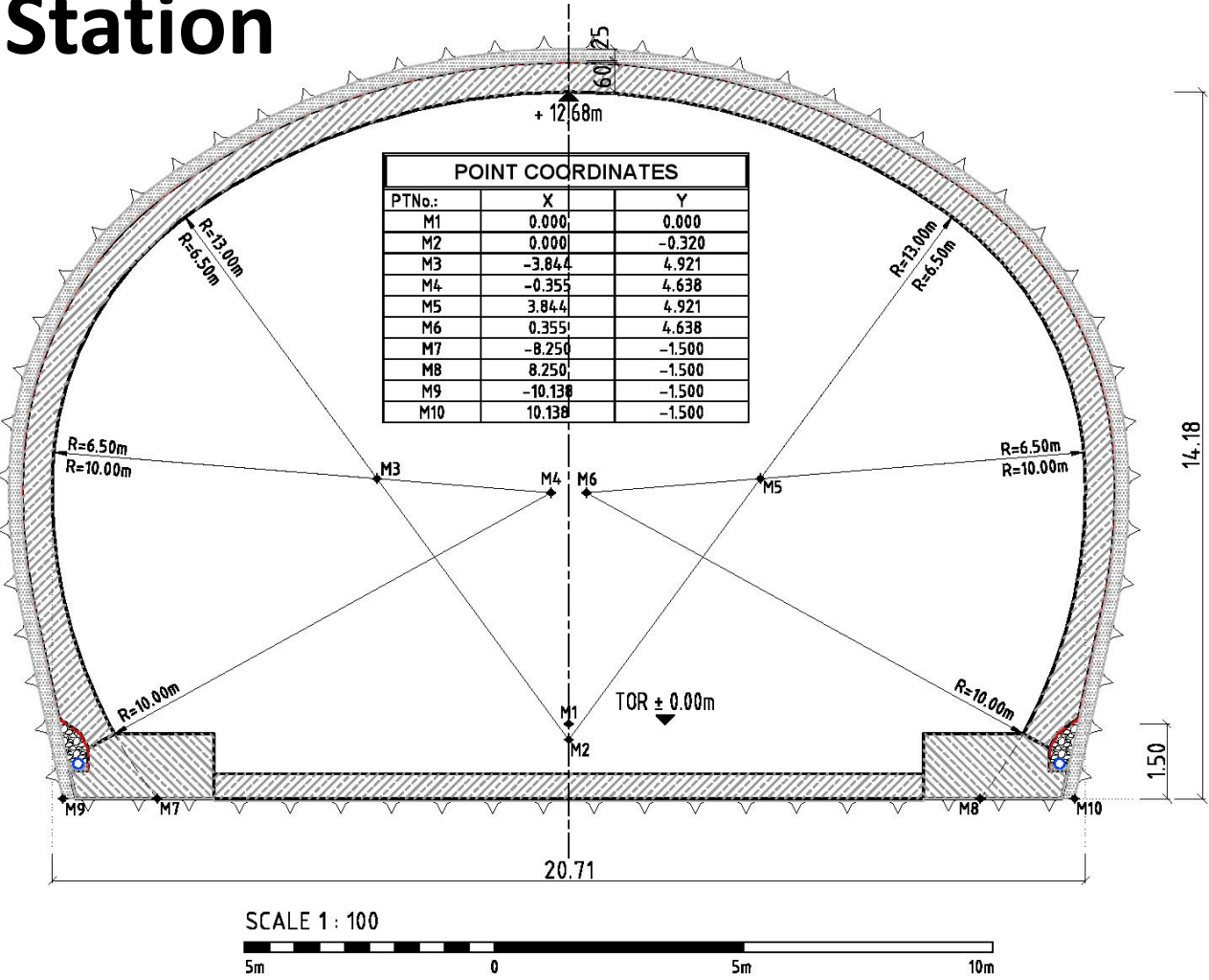


South Portal



Tunnel Cross Section

Station



Tunnel

Strauss station

South
Portal

Strauss

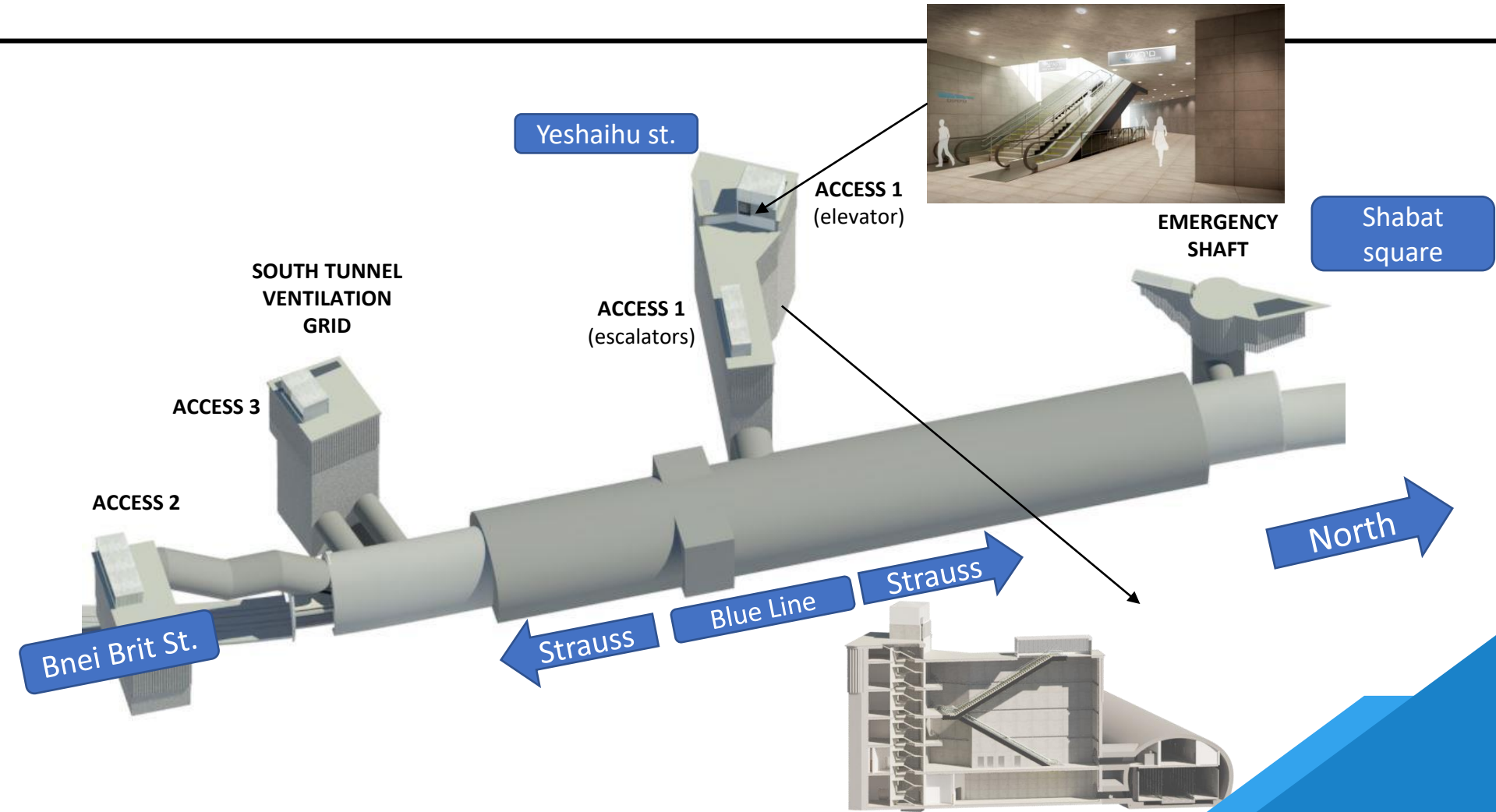
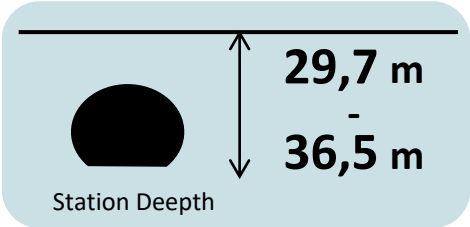
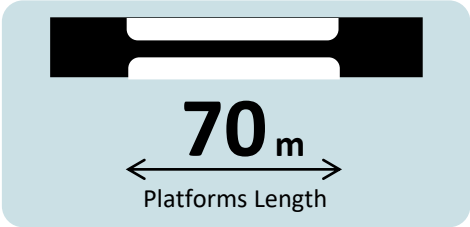
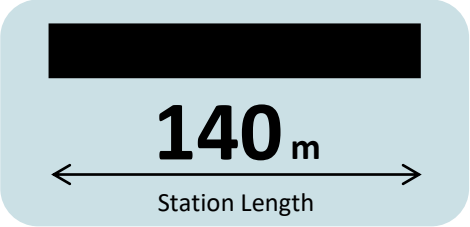
Yehezkel

Bar Ilan

North
Portal



Strauss station



Yehezkel Station

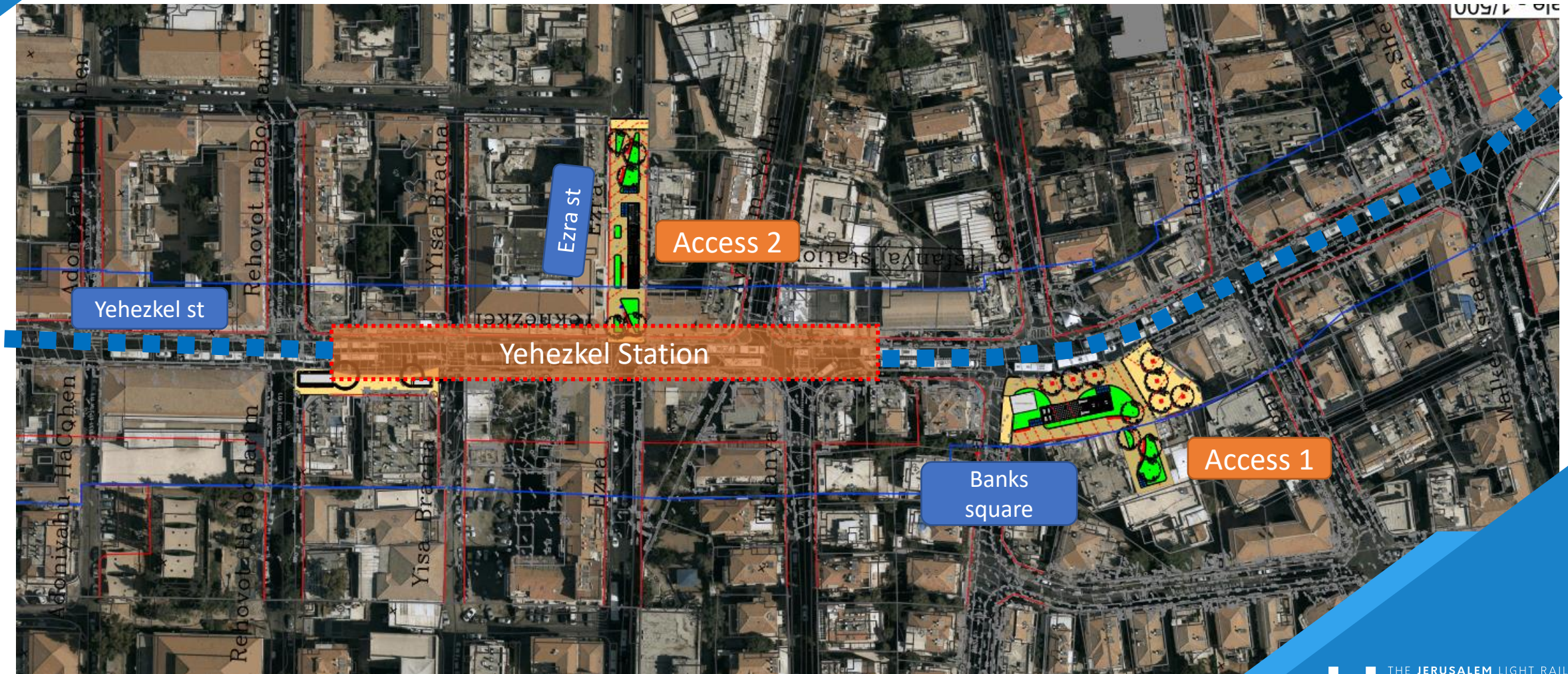
South
Portal

Strauss

Yehezkel

Bar Ilan

North
Portal



Yehezkel Station



160 m
Station Length

70 m
Platforms Length

33,5 m
36,7 m
Station Depth

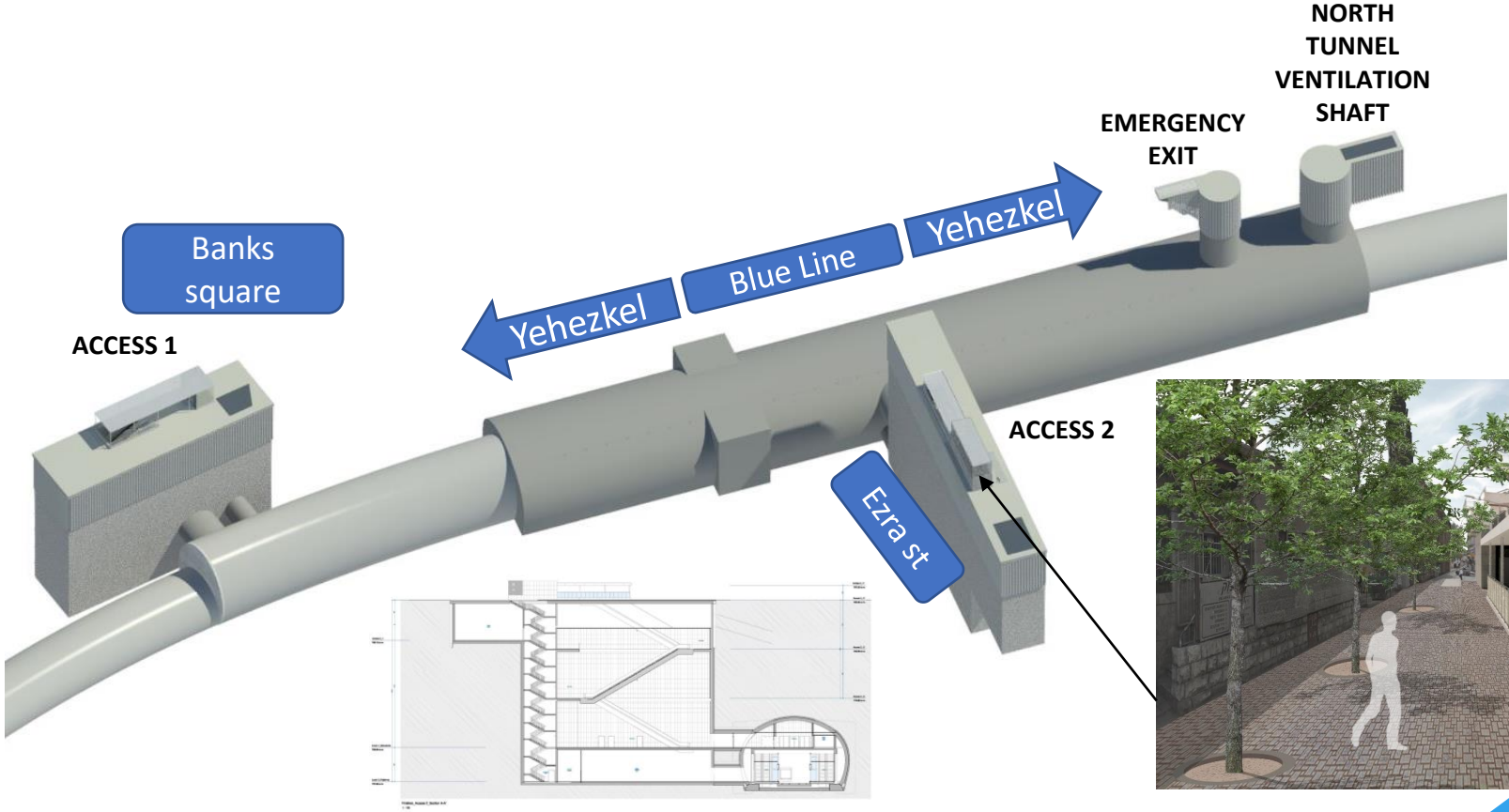
4,500
Daily Number of Passengers

2 **Accesses**

1 **Stairs to access**

2 **Escalators to access**

3 **Big elevator (27p)**



Bar Ilan Station

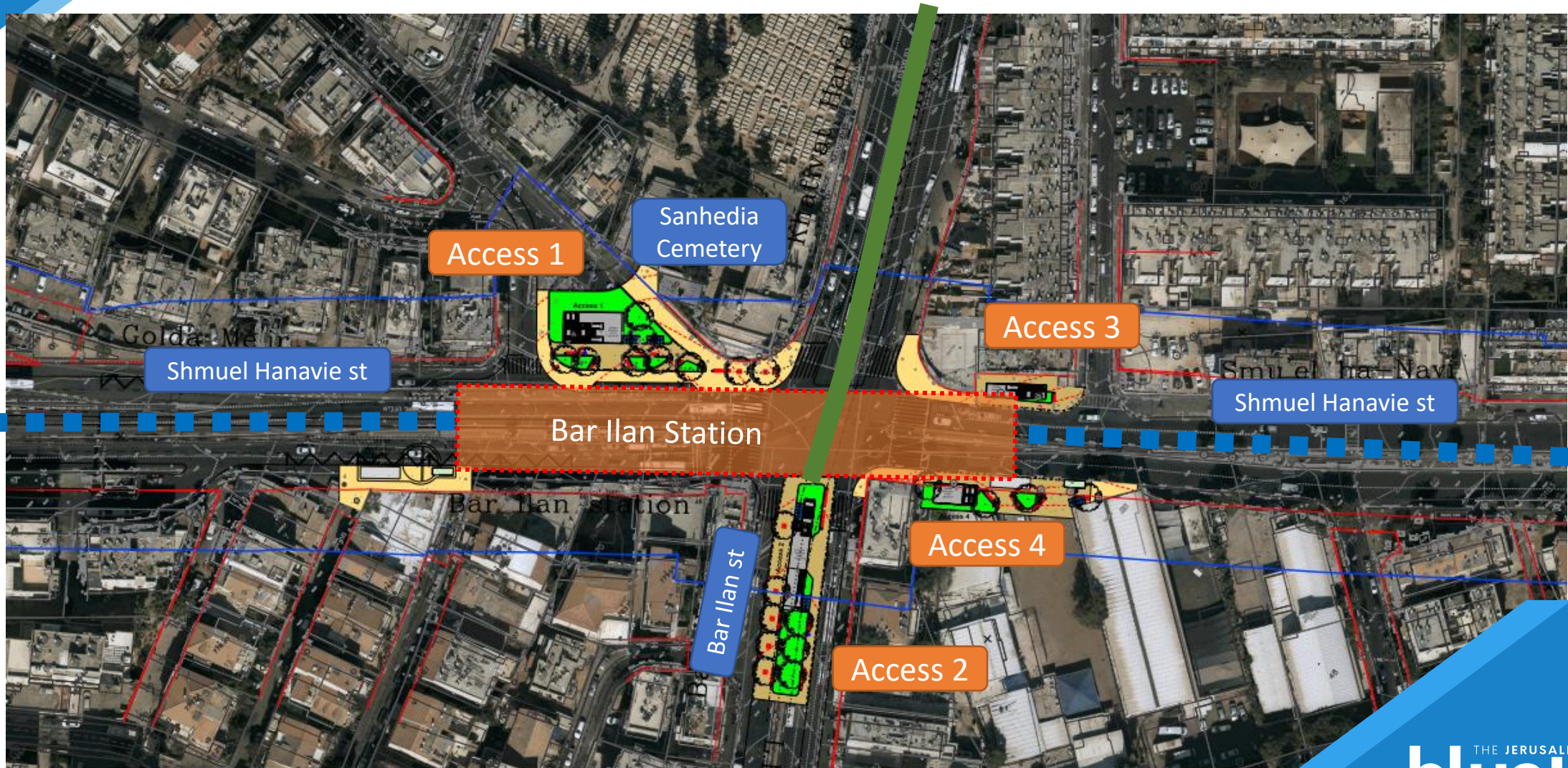
South
Portal

Strauss

Yehezkel

Bar Ilan

North
Portal



Bar Ilan Station

South
Portal

Strauss

Yehezkel

Bar Ilan

North
Portal

140m

Station Length

2



Small elevator (16p)

3



Stairs to access

3



Big elevator (27p)

4



Accesses

3



Escalators to access

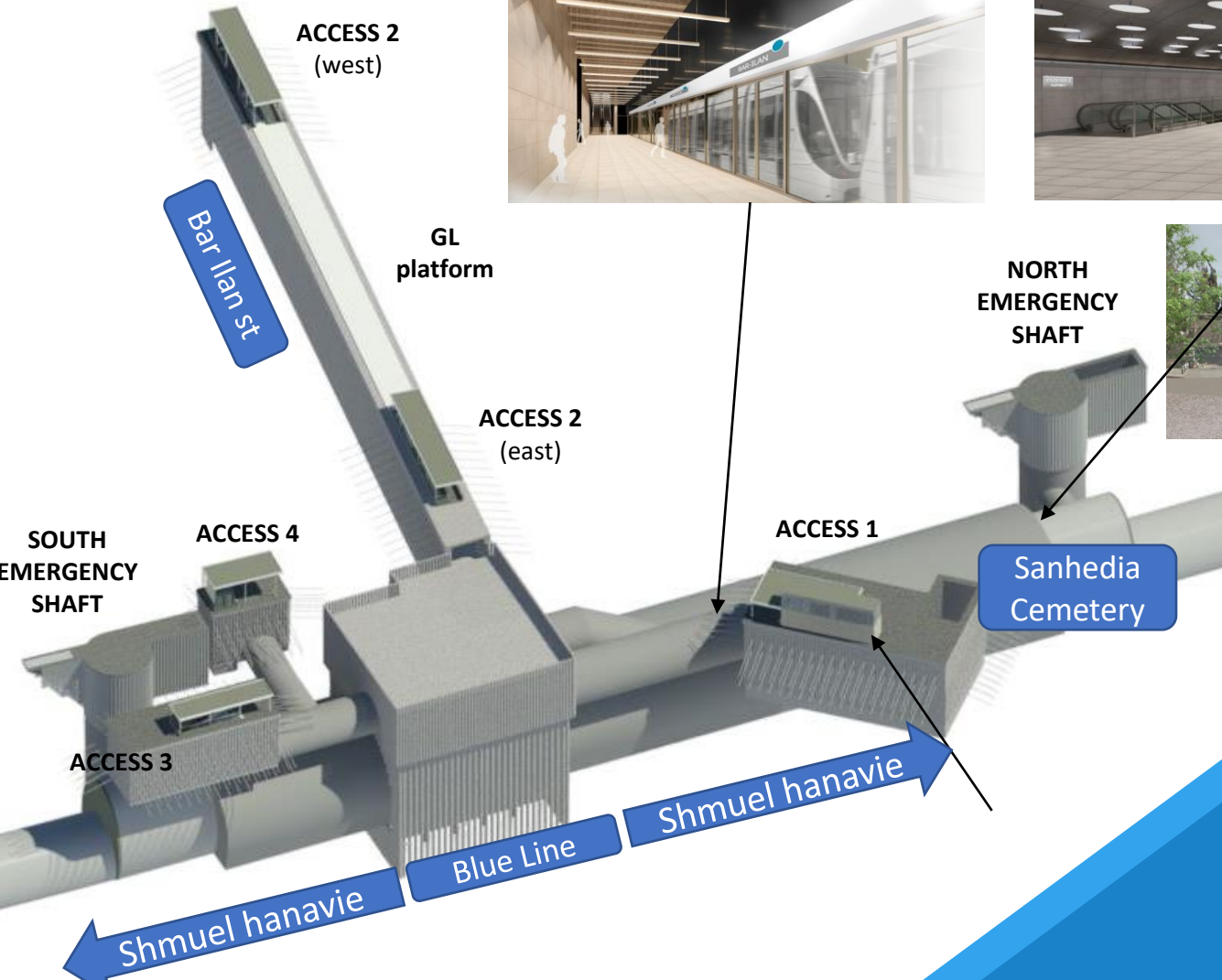
8,100

Daily Number of Passengers

26,8 m

29,5 m

Station Depth



THE JERUSALEM LIGHT RAIL
blue line

North Portal

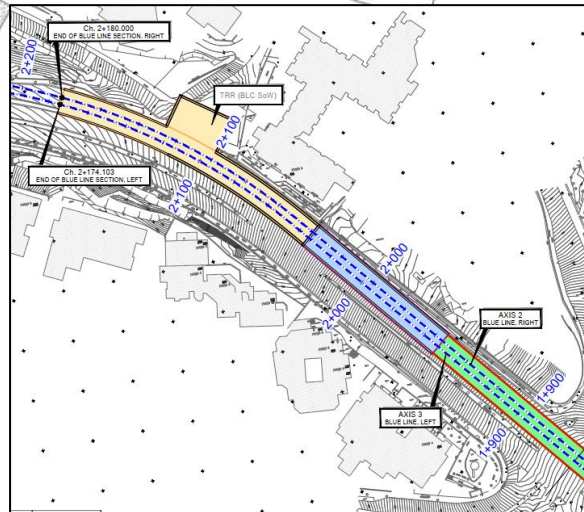
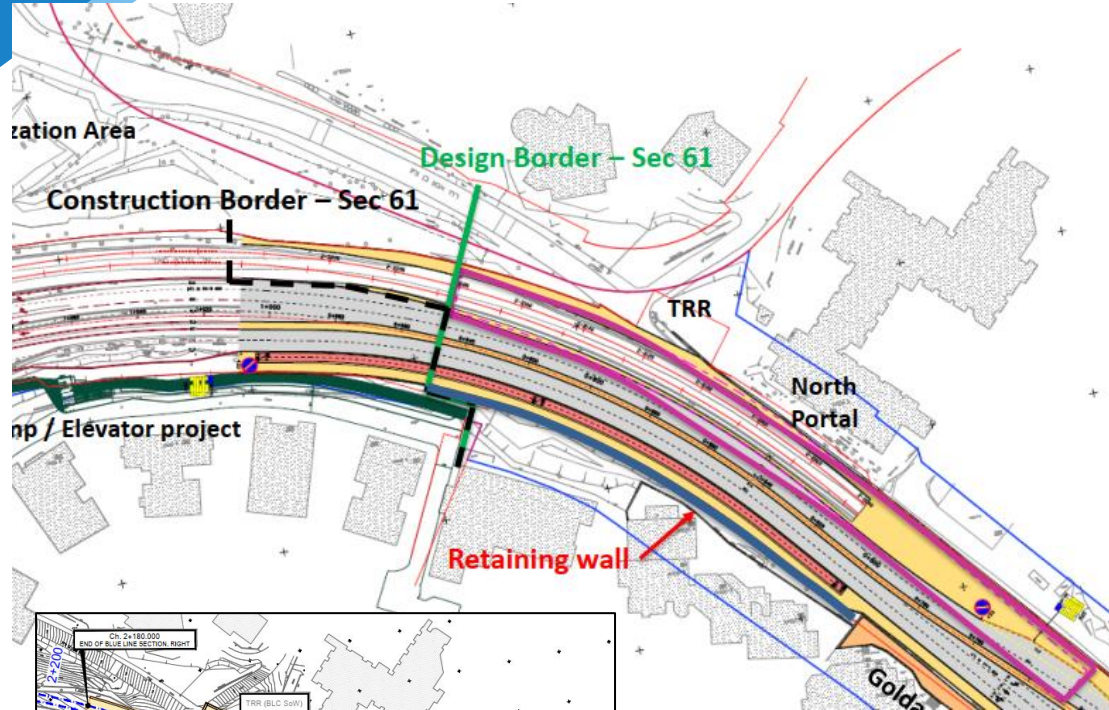
South
Portal

Strauss

Yehezkel

Bar Ilan

North
Portal



- Open Ramp
- Cut and Cover Tunnel
- Tunnel. Typical Cross Section



North Portal

The Malha Depot

The Malha Depot will serve both the Green and Blue Lines

Designed to cater for 61 double length trains, total 122 vehicles

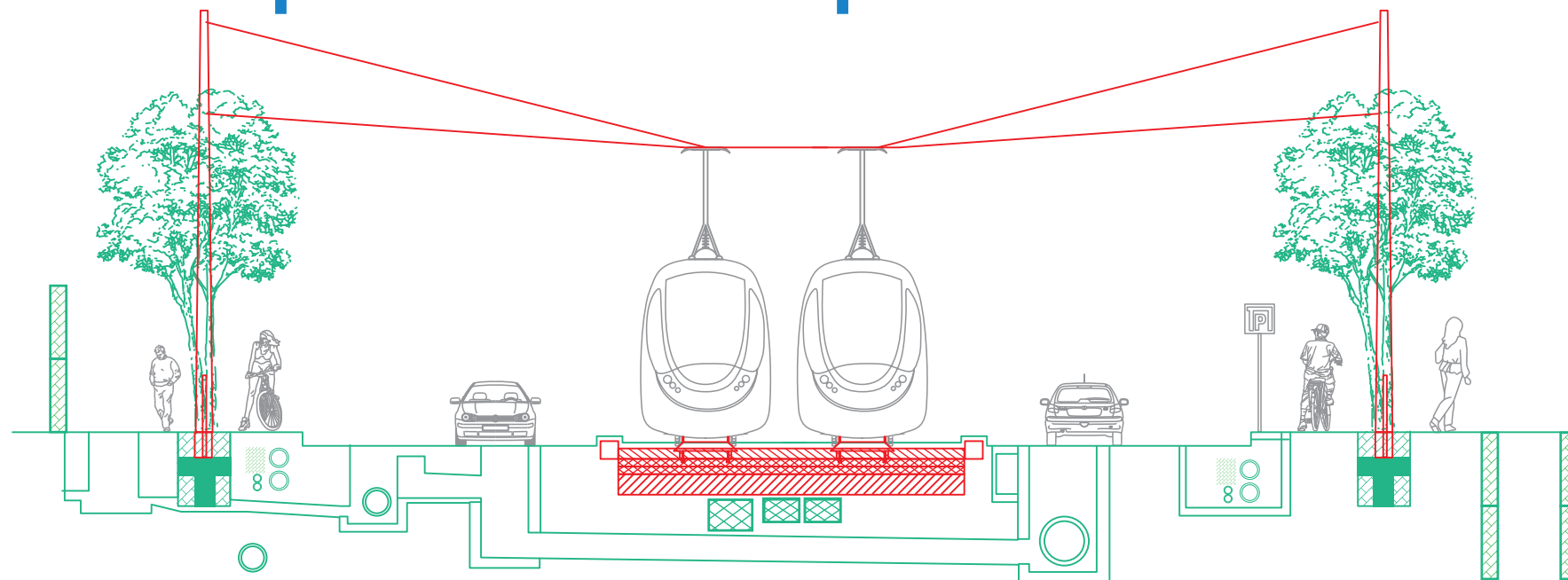
Town Planning Scheme statutory area of land – approx. 73,000 sq.m.

Lower-level area = approx. 27,000 sq.m.

Upper-level area (“Deck”), including above

Buildings area above deck level – approx. 9,000 sq.m.

Risk allocation between the private and public sectors



Owner

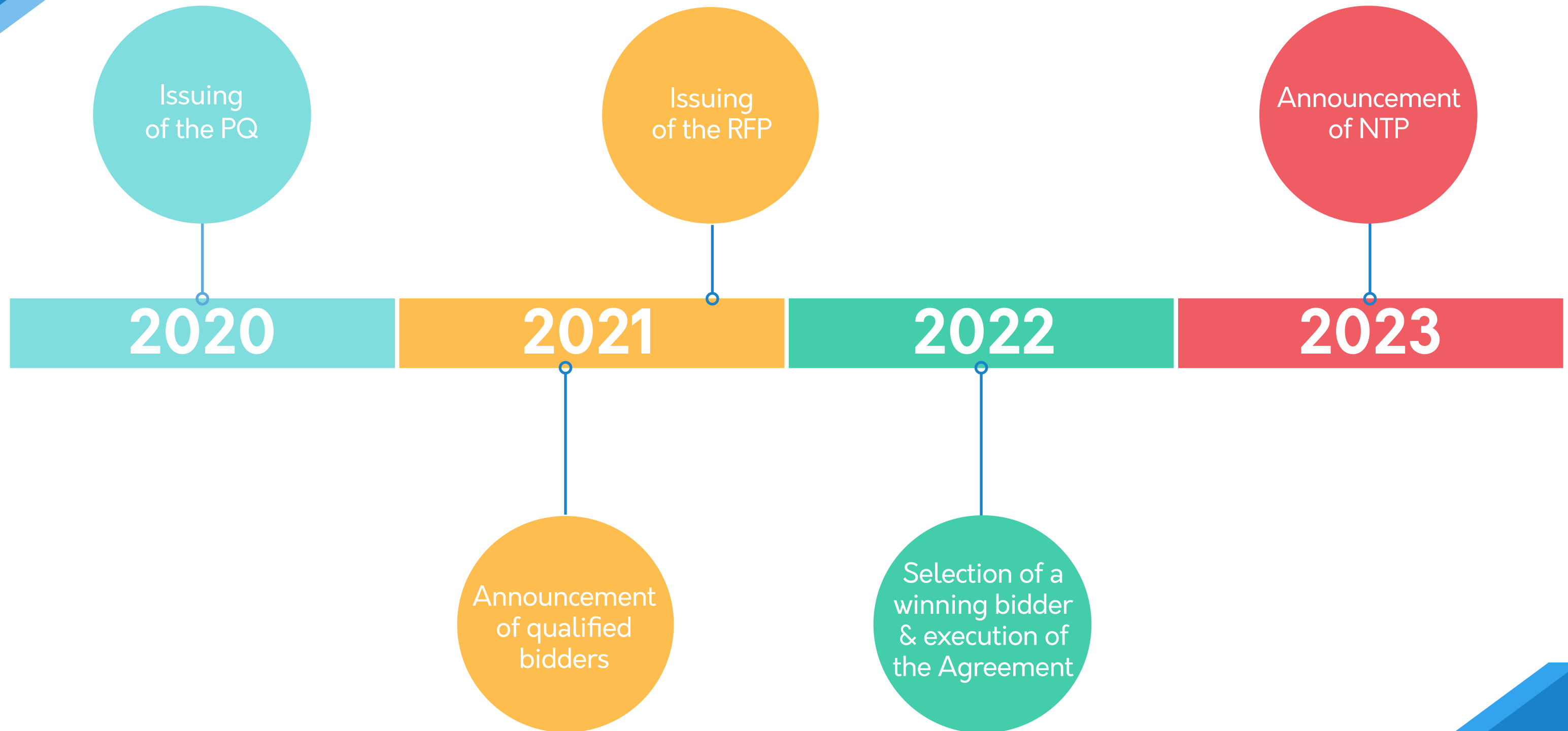
The owner of the project is responsible for the Infra #1 works as graphically depicted in green in the diagram above of a typical cross-section.

Contractor / Project Company

The contractor/project company shall execute Infra#2 works based on the owner's design, as graphically depicted in red in the diagram above of a typical cross-section.



The Blue Line tender – Timeline





Stay in touch and we will keep you updated!