

# Active Mobility for a Sustainable Singapore



**Aw Tuan Kee**

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about Singapore



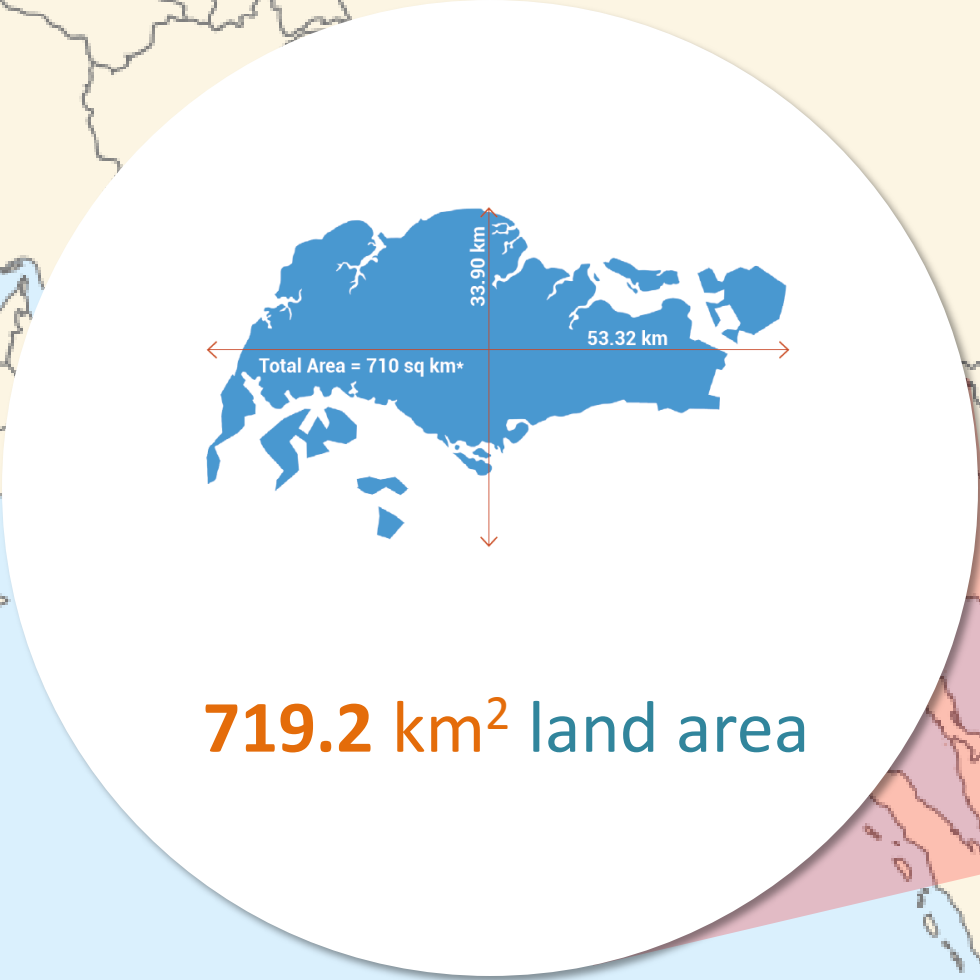
**1965**

Slums,  
Environment  
pollution,  
Per capita GDP  
S\$1,580

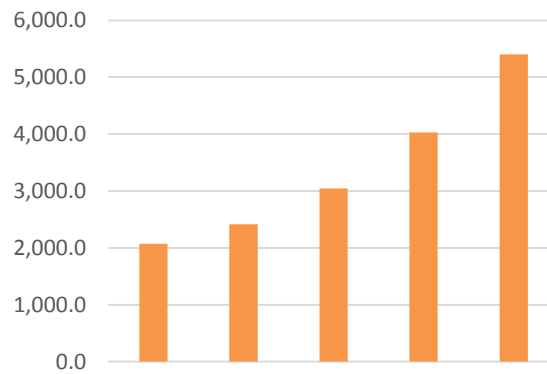


**2016**

Global financial hub,  
Clean, green  
environment,  
Per capita GDP  
S\$72,711



**719.2 km<sup>2</sup>** land area



**5.6 mil** population



7,797/km<sup>2</sup> density



future challenges?

**5.6 mil**  
population

**2014**



**719.2 km<sup>2</sup>**

land area

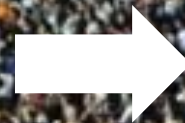
**6.5 – 6.9 mil**  
population

**2030**



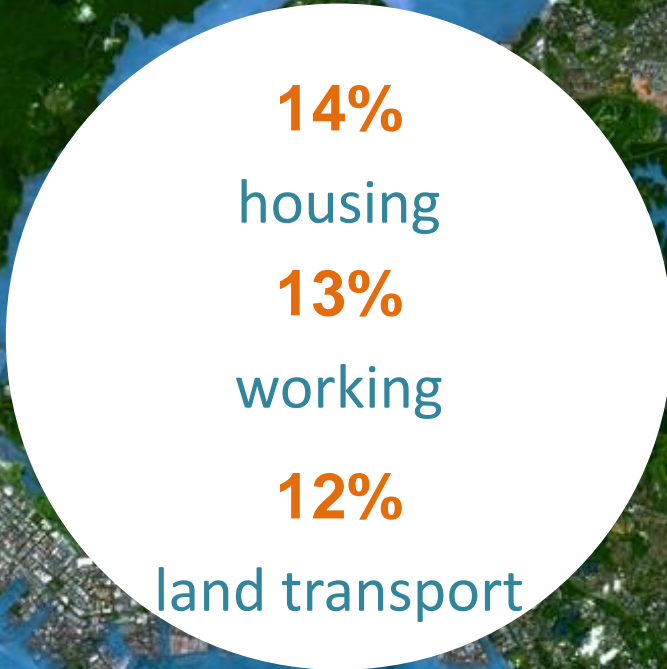
**766 km<sup>2</sup>**

land area

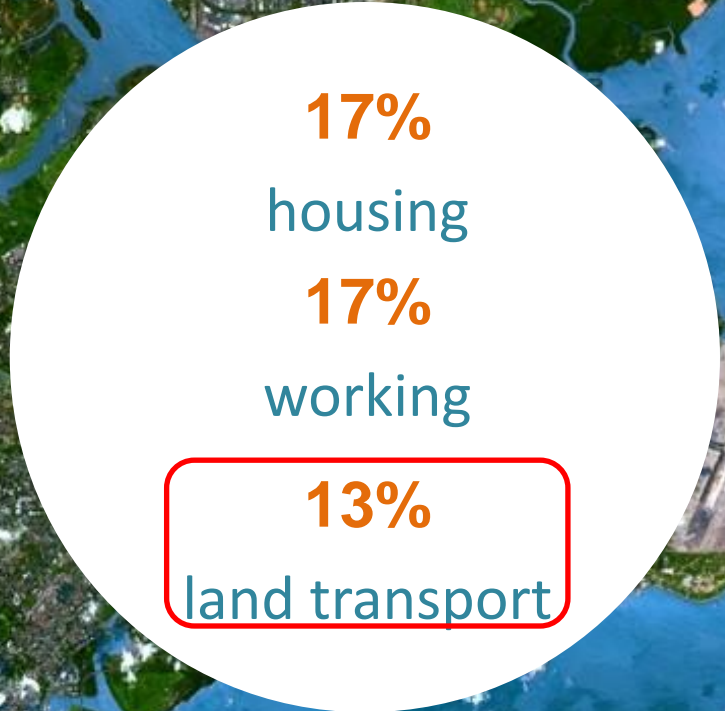




# land use pressures



2014



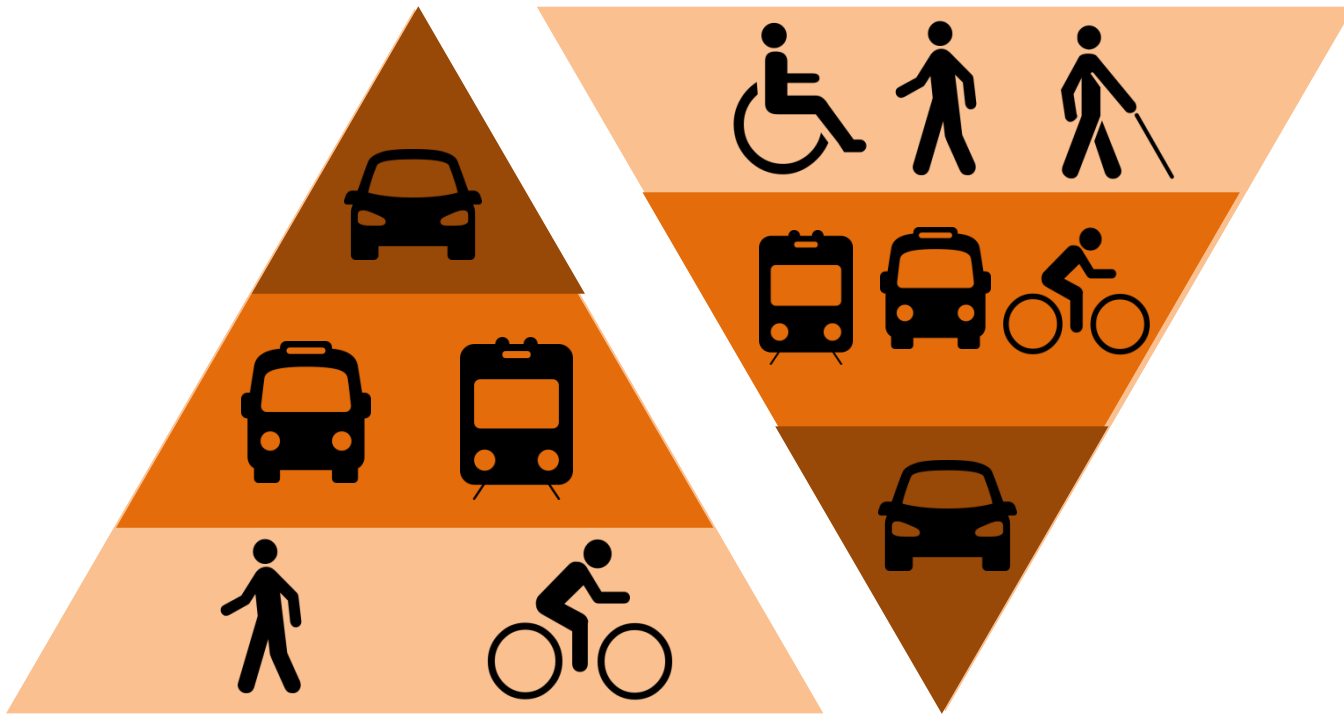
2030

Source: URA



Towards a  
**People-friendly &  
Car lite Singapore**

**Future**



**Current**

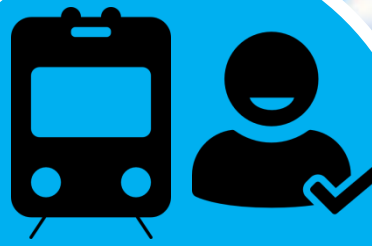
**A  
Paradigm  
Shift in  
Urban  
Mobility**

↑  Bus interchange

MRT 



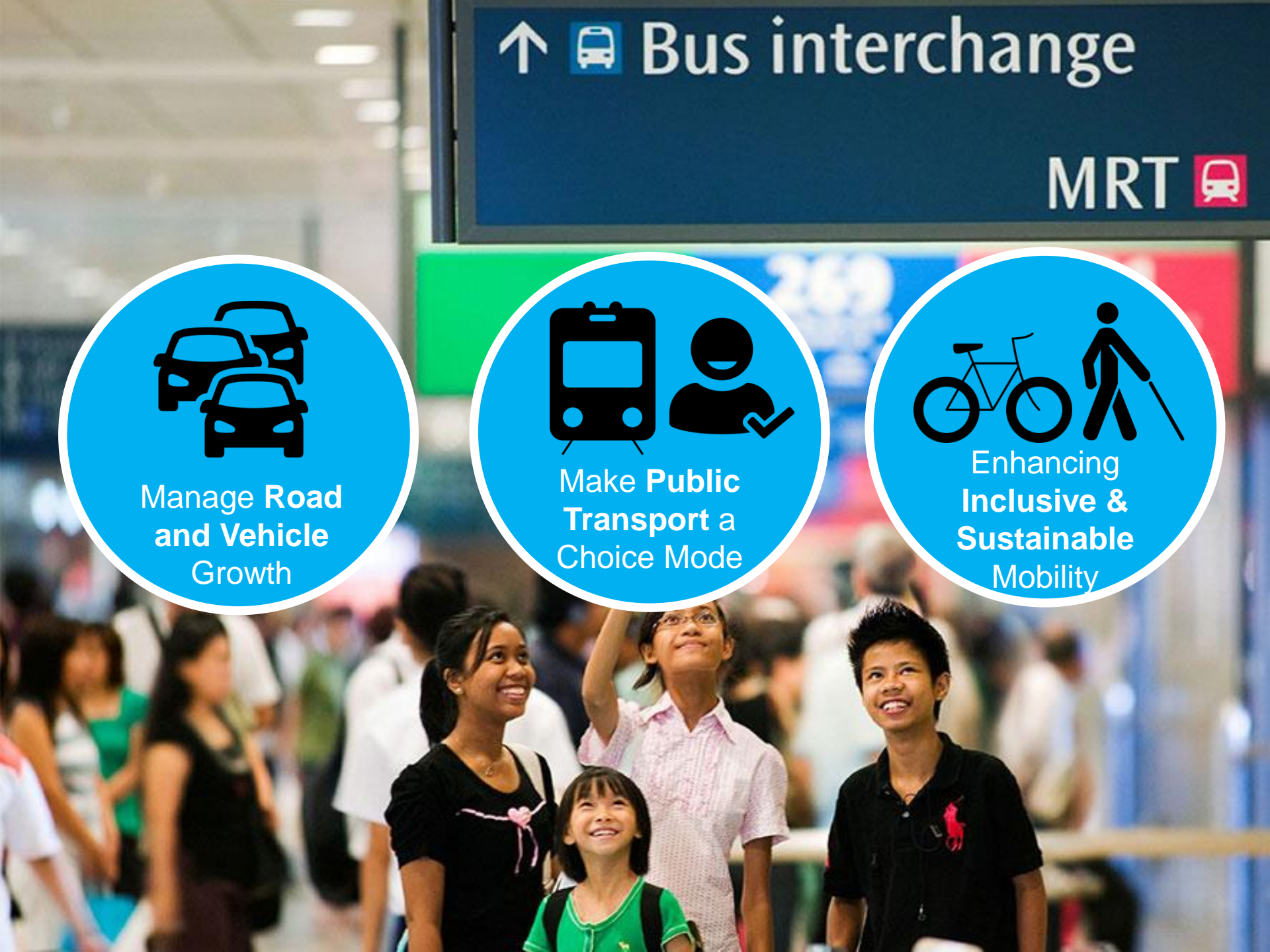
Manage Road  
and Vehicle  
Growth



Make Public  
Transport a  
Choice Mode



Enhancing  
Inclusive &  
Sustainable  
Mobility



↑  Bus interchange

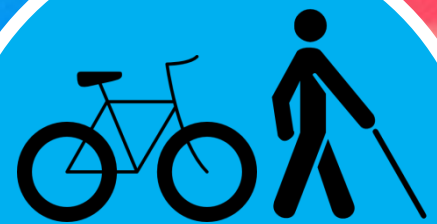
MRT 



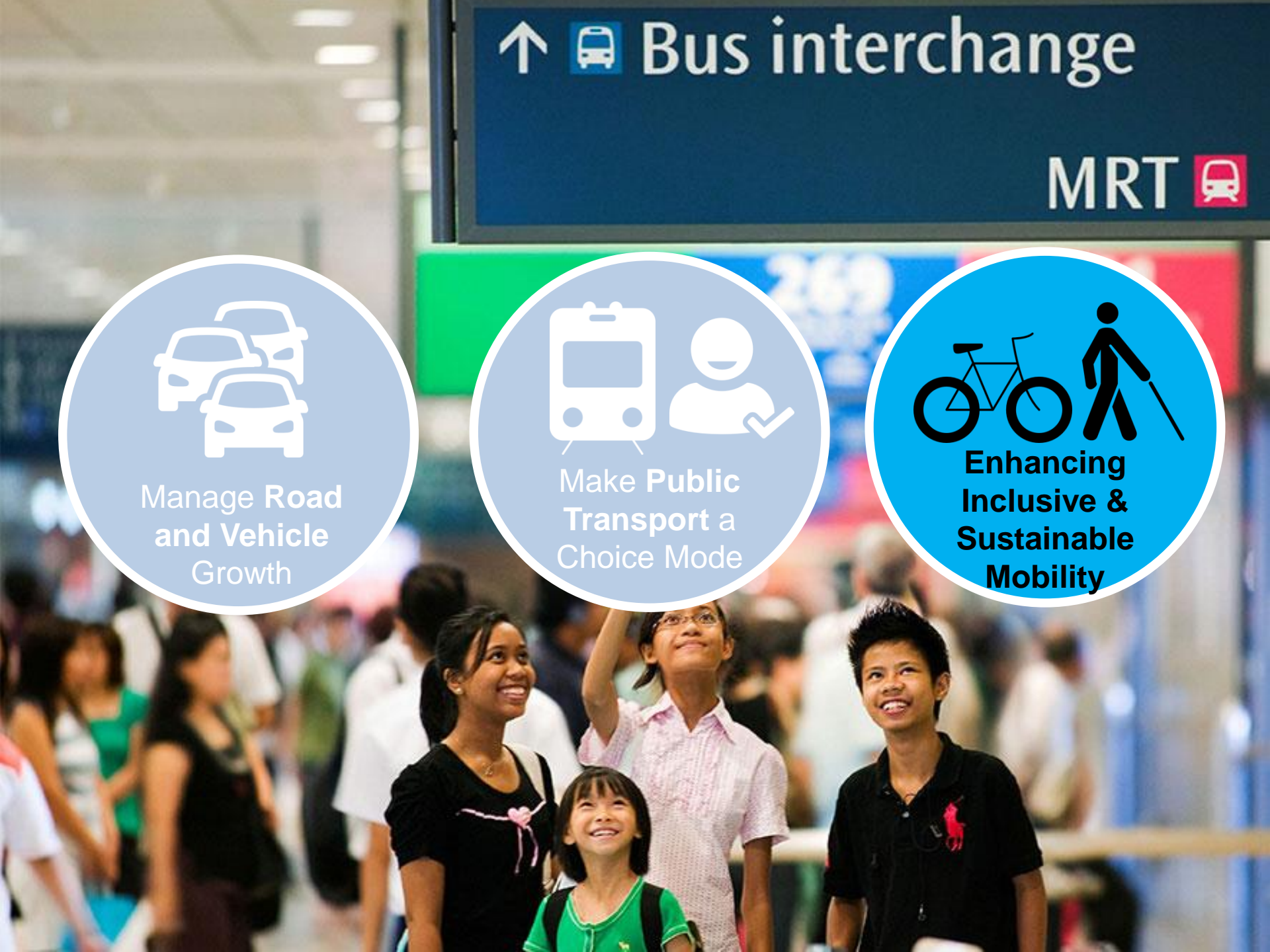
Manage Road  
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Enhancing  
Inclusive &  
Sustainable  
Mobility



# WALK & CYCLE singapore

**Inter-agency effort** by Urban Redevelopment Authority (URA) and the Land Transport Authority (LTA), supported by the Housing and Development Board (HDB) and National Parks Board (Nparks) to make Singapore more walking and cycling friendly, in line with the Sustainable Singapore Blueprint.



**Setting up of Active Mobility Unit within Land Transport Authority** to coordinate all cycling and walking-related policies.



**CLC-ULI  
project on  
Active  
Mobility**

**2 Workshops** conducted for Ideas on Walking & Cycling in Singapore

**International expert Jan Geh** engaged as workshop leader

**Joint publication** on research findings

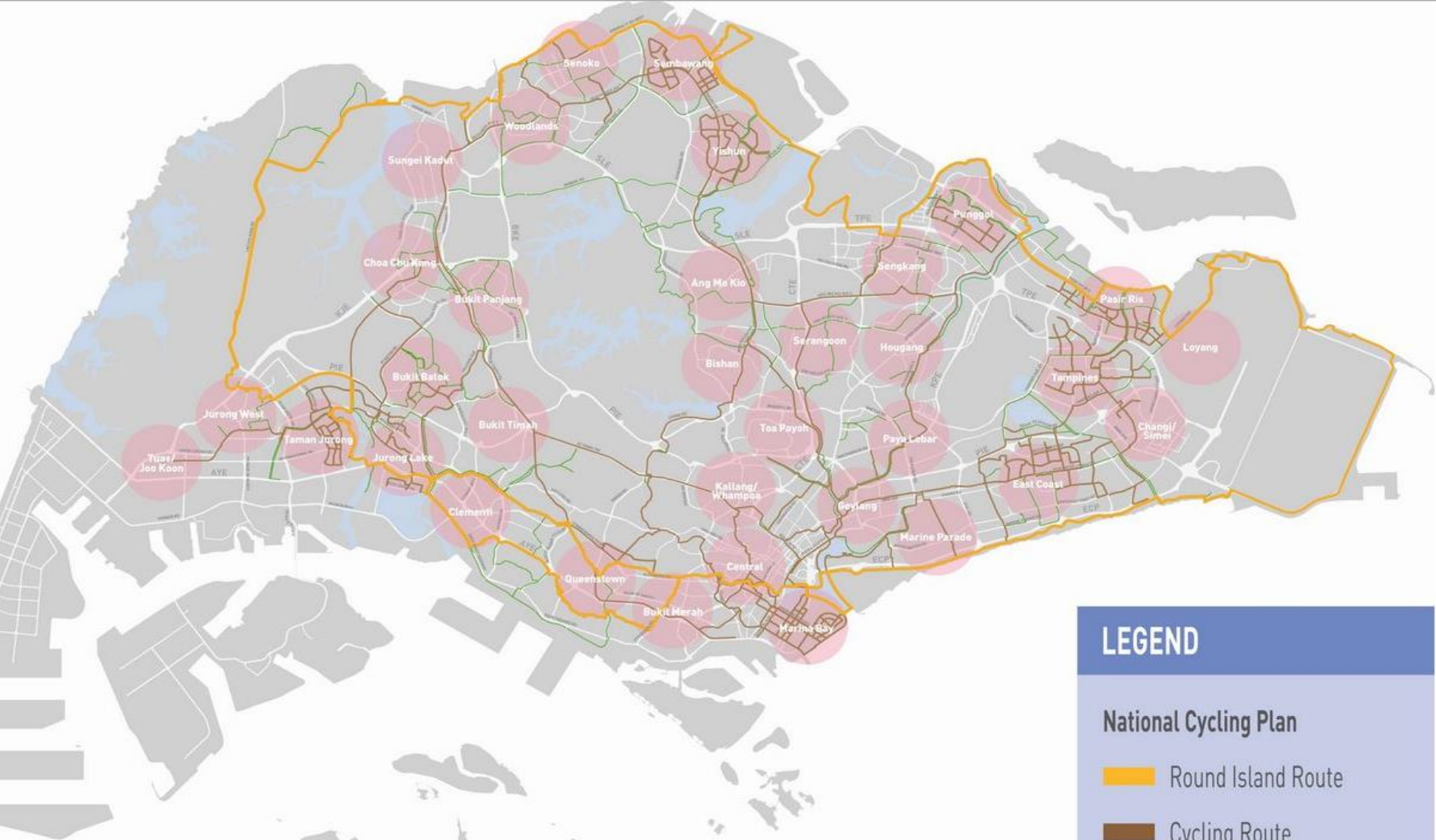
**Test bedding of ideas** in workshop study site, Ang Mo Kio town



## Promote cycling

for short distance  
travel and first/last  
mile of public  
transport journey





# National Cycling Plan

700km of cycling paths by 2030

## LEGEND

### National Cycling Plan

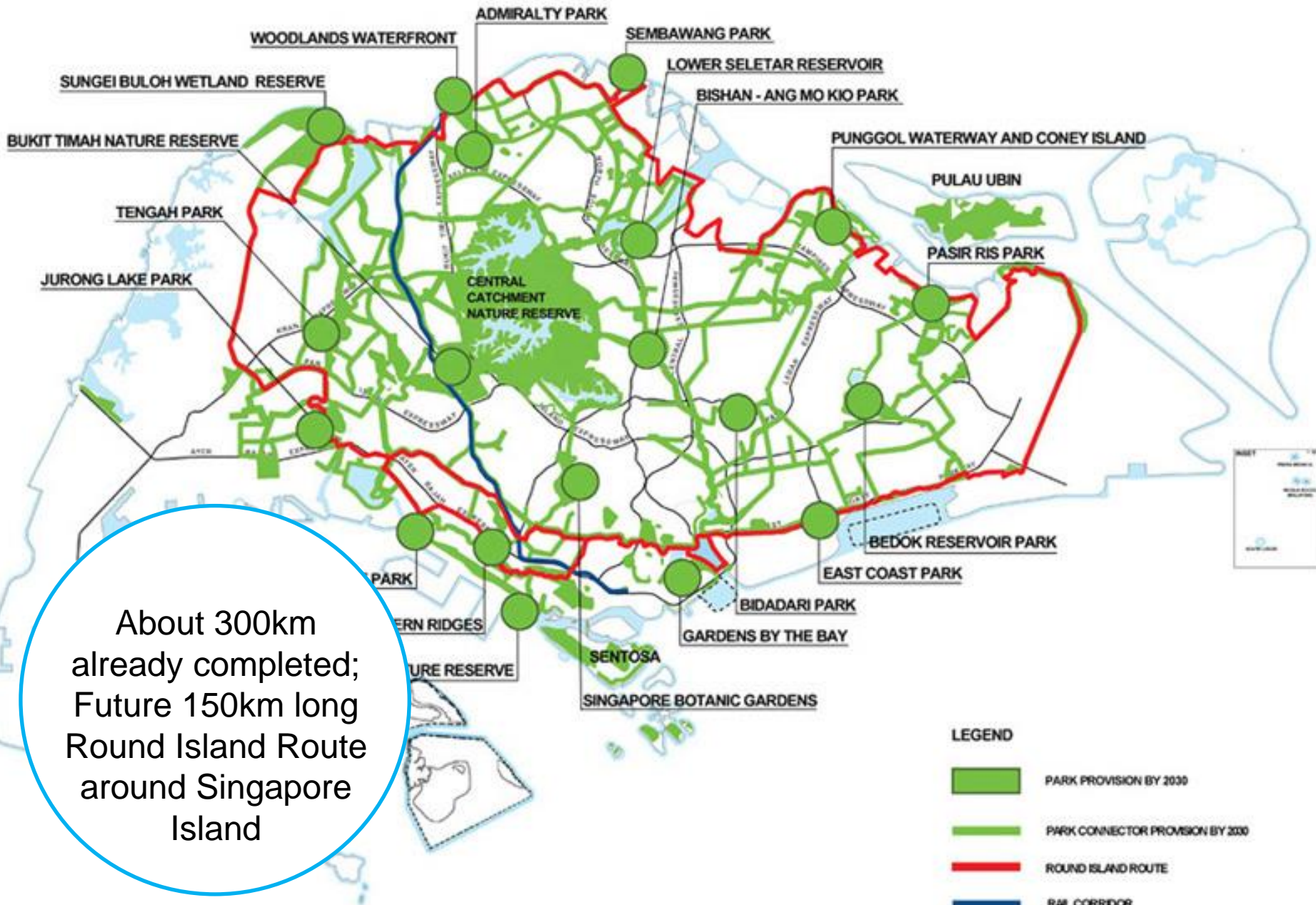
-  Round Island Route
-  Cycling Route
-  Park Connector
-  Intra-town cycling network

The cycling routes are under study and subject to detailed planning.



# Park Connectors

Introduced in 1991 to link parks and nature areas with landscaped footpaths and bicycle paths, typically along waterways or roadside



About 300km  
already completed;  
Future 150km long  
Round Island Route  
around Singapore  
Island

# Intra town cycling

- To facilitate everyday short distance cycling within towns
- 190km in HDB towns by 2020
- Long term aim – to provide all 26 HDB towns with cycling network

N OF ANG MO KIO  
CYCLING TOWN PH

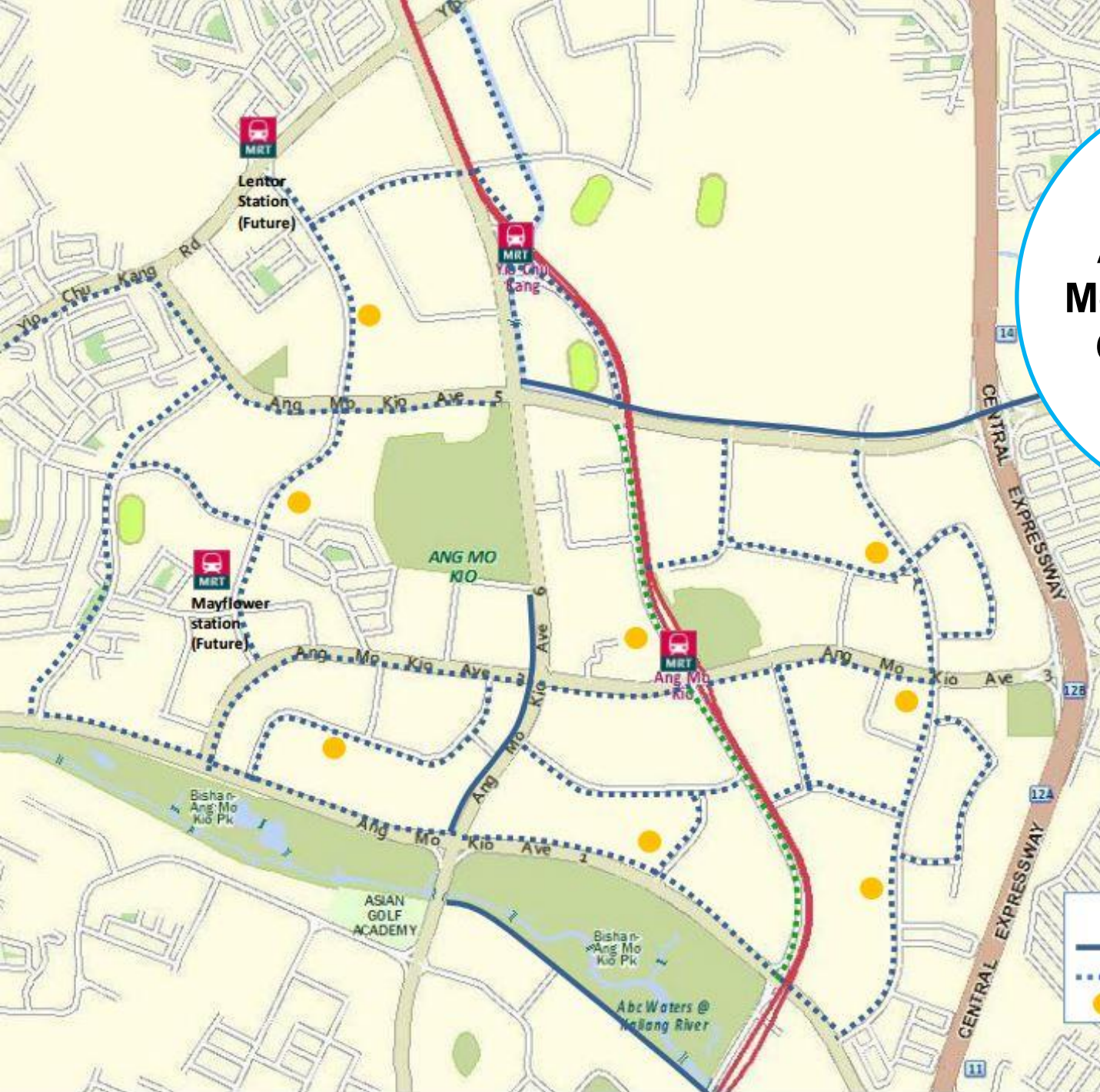


## Ang Mo Kio – Model Walking & Cycling Town

- Phase 1  
completed July  
2016



# Ang Mo Kio – Model Walking & Cycling Town



## Legend

- Existing Walking & Cycling Network
- Proposed Walking & Cycling Network
- Town/ Neighbourhood Centre

## LTA's Walk2Ride

- Sheltered walkways from transport nodes to destinations
- To be expanded from 200m to 400m from transport nodes; 46km to 285km in total by 2018



## Enhancing Walkability

**Underground Pedestrian Network** to be expanded in downtown areas

**Barrier Free Accessibility**  
All MRT and bus interchanges are already barrier free  
All public buses to be wheelchair-accessible by 2020



# Creating more inclusive streets

## Silver zones

- Senior-friendly road safety features at areas with higher percentage of elderly population
- E.g. Lowered speed limit (40km/h); 2-stage crossings
- 15 silver zones by 2017; 35 by 2020



## Streets for People

- Community –initiated programme for car-free zones within the neighbourhood

## Car free zones

- Regular road closures at 13 locations throughout the city at night/weekends
- E.g. Kampong Glam; Orchard Rd; Civic District (upcoming)

**Transforming streets into liveable spaces**

*Orchard Road Pedestrian Night*

## PARK(ing) Day

- Annual worldwide event where community transform parking spots into temporary public spaces

**Transforming  
streets into  
liveable  
spaces**

# Tengah new town

- First car-free town centre in Singapore
- First phase for completion around 2022



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# WALKABLE AND BIKEABLE CITIES

LESSONS FROM SEOUL AND SINGAPORE

First CLC – Seoul Institute joint research project





**15 case studies on walking and cycling from Seoul and Singapore**



**Shared lessons on creating Walkable and Bikeable Cities**

*Car-free Sunday at Civic District, Singapore*

*Car-free day at Gwanghwamun, Seoul*

**THANK YOU**