Active Mobility for a Sustainable Singapore

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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 km² land area
5.6 mil population
7,797/km² density
future challenges?
5.6 million population in 2014, increasing to 6.5 – 6.9 million population by 2030.

Land area: 719.2 km² in 2014, increasing to 766 km² by 2030.

http://www.flickr.com/photos/yunir/5676272119/sizes/o/in/photostream/

<table>
<thead>
<tr>
<th>Land Use/Land Requirements (ha)</th>
<th>2010</th>
<th>2030</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>10,000 (14%)</td>
<td>13,000 (17%)</td>
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<tr>
<td>Working</td>
<td>9,700 (13%)</td>
<td>12,800 (17%)</td>
</tr>
<tr>
<td>Parks and Nature Reserves</td>
<td>5,700 (8%)</td>
<td>7,250 (9%)</td>
</tr>
<tr>
<td>Community, Institution and Recreation Facilities</td>
<td>5,400 (8%)</td>
<td>5,500 (7%)</td>
</tr>
<tr>
<td>Utilities</td>
<td>1,850 (3%)</td>
<td>2,600 (3%)</td>
</tr>
<tr>
<td>Reservoirs</td>
<td>3,700 (5%)</td>
<td>3,700 (5%)</td>
</tr>
<tr>
<td>Land Transport Infrastructure</td>
<td>8,300 (12%)</td>
<td>9,700 (13%)</td>
</tr>
<tr>
<td>Port &amp; Airport</td>
<td>2,200 (3%)</td>
<td>4,400 (6%)</td>
</tr>
<tr>
<td>Defence</td>
<td>13,300 (19%)</td>
<td>14,800 (19%)</td>
</tr>
<tr>
<td>Others</td>
<td>10,000 (14%)</td>
<td>2,800 (4%)</td>
</tr>
<tr>
<td>Total</td>
<td>71,000 (100%)</td>
<td>76,600 (100%)</td>
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</tbody>
</table>

Source: URA
Towards a People-friendly & Car lite Singapore
A Paradigm Shift in Urban Mobility
Manage Road and Vehicle Growth

Make Public Transport a Choice Mode

Enhancing Inclusive & Sustainable Mobility
Manage Road and Vehicle Growth

Make Public Transport a Choice Mode

Enhancing Inclusive & Sustainable Mobility
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.

East Coast Park Connector
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
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
Enhancing Walkability

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

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

Lengkok Bahru Silver Zone
Car free zones
- Regular road closures at 13 locations throughout the city at night/weekends
  • E.g. Kampong Glam; Orchard Rd; Civic District (upcoming)

Streets for People
- Community-initiated programme for car-free zones within the neighbourhood

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

PARK(ing) Day at Telok Ayer Street
Tengah new town

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