URBAN MOBILITY

EXPERT GROUP MEETING ON 05-06 NOVEMBER 2013
FUKUOKA, JAPAN

URBAN TRANSPORTATION
UN-HABITAT

H.W. SOMARATHNE
ASSISTANT DIRECTOR (PLANNING)

URBAN DEVELOPMENT AUTHORITY
SRI LANKA
Urban Transportation overview

People and goods to, from and within cities.

25% urban area

Mode of transport

Land – Roads, Rail, Path ways, Walk ways, Sea (Water base)

Air
Infrastructure condition, Laws / Regulations

• Public thoroughfare Act 1861
• Southern express way Act
• National Highways Act
• Express way Act for Tolle charges
public mobility in urban area
### Average Daily Traffic at Colombo Entry Points

<table>
<thead>
<tr>
<th>Sub Sector</th>
<th>Allocation LAKR bn</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Road</td>
<td>2011  120.0</td>
</tr>
<tr>
<td></td>
<td>2012  124.0</td>
</tr>
<tr>
<td>2. Railway</td>
<td>2011  20.8</td>
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<tr>
<td></td>
<td>2012  32.8</td>
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<tr>
<td>3. Bus</td>
<td>2011  6.2</td>
</tr>
<tr>
<td></td>
<td>2012  4.7</td>
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<tr>
<td>4. Airport</td>
<td>2011  01.7</td>
</tr>
<tr>
<td></td>
<td>2012  12.0</td>
</tr>
<tr>
<td>5. Port</td>
<td>2011  11.7</td>
</tr>
<tr>
<td></td>
<td>2012  20.4</td>
</tr>
</tbody>
</table>

**Notes:**
- A001 – 90,548
- A002 – 62,917
- A003 – 47,079
- B062 – 34,210
- B084 – 38,970
- B152 – 13,531
- B435 – 25,339
- A004 – 44,182
TRAFFIC PATTERN OF COLOMBO

- **Daily Traffic Volume** - 567,405 Veh/day
- **Vehicle categories**
  - **Cars** - 31.32 % (177,700.07 Veh/Day)
  - **Vans** - 11.31% (64,146.98 Veh/Day)
  - **Busses** - 5.64 % (32,004.69 Veh/Day)
  - **Goods Vehicle** - 45.78 % (259,813.39 Veh/Day)
  - **Heavy Goods vehicle** - 5.95 % (33,739.15 Veh/Day)
- **Average speed** - 20 – 25 km/hr
- **No of Signalized junctions**
  - Maintain by RDA - 31 Nos
  - Maintained by CMC - 48 Nos
Issues and Challenges

- Lack of proper land use plan
- Inadequate capacity and linkage of road network
- Less public transport usage
- Public transport system not organized
- Connection of public transport modes
Development of Urban mobility

- Maximum use of urban water way for public transport
- Development of walkways and paths
- Design arrangements within buildings for uninterrupted moment of public
- Traffic signal installation
- Area Traffic Control system
- Study for elevated road in Colombo area
- Colombo Urban Transport Study
- Public/ government partnership
- Policy changes
Enough canals and water ways for urban transportation
Way forward

- Sri Lanka presently use majority on land
- Development of metro, light train, LRT and BRT
- Water base transportation system development
- Implementation of western region transport plan
- Link administrative capital with train network
- Technical and financial support needed