

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

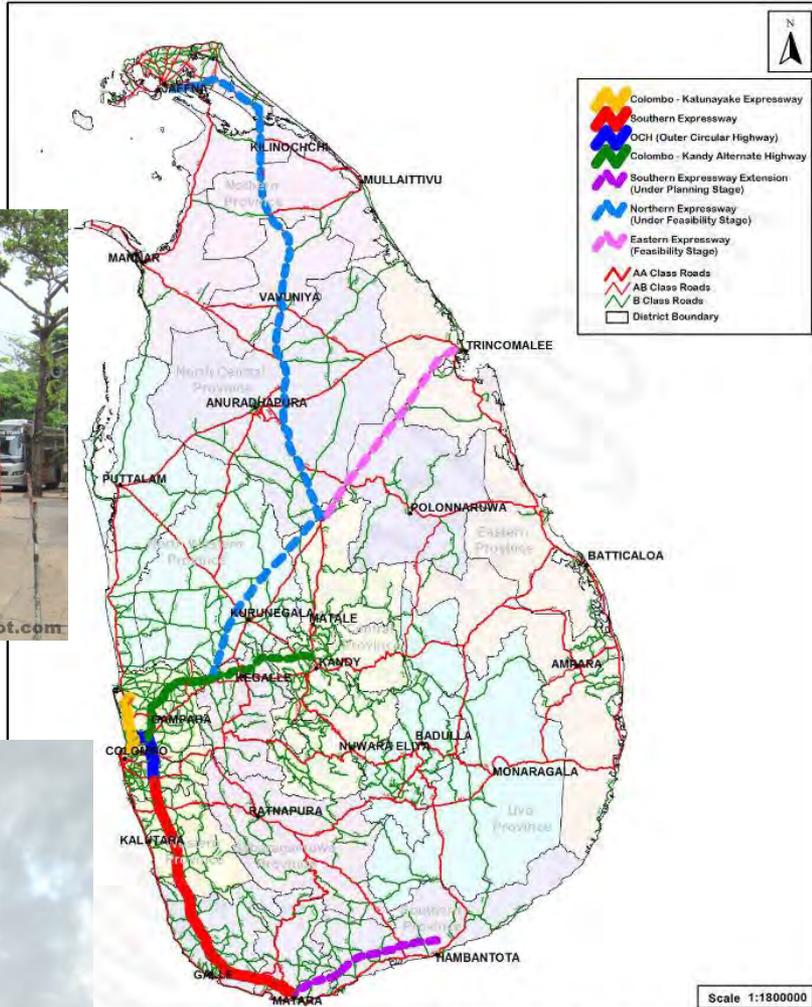
Land – Roads, Rail, Path ways, Walk ways,

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



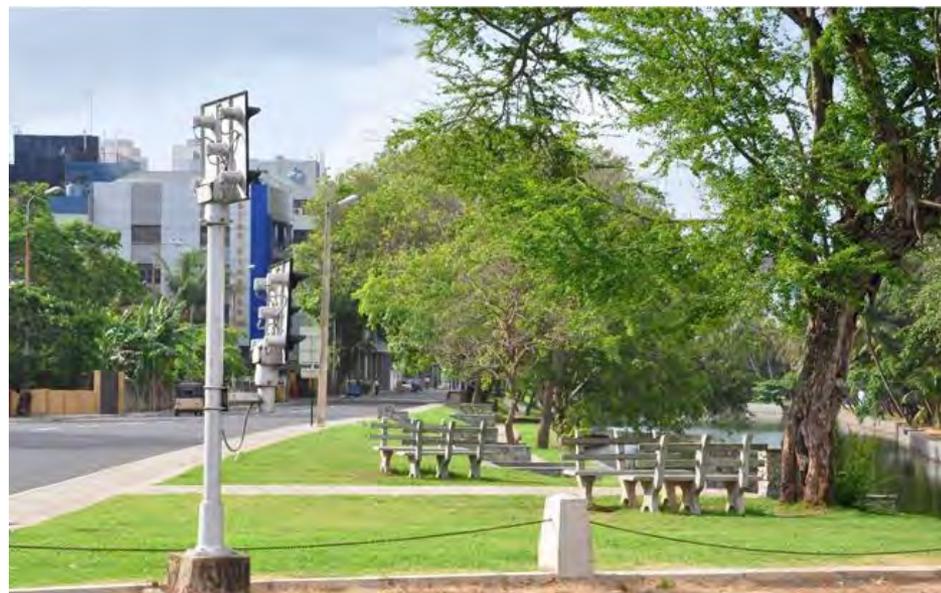
Expressway Network in Sri Lanka

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF HIGHWAYS

PROJECT FORMULATION, MONITORING & GIS SECTION
PLANNING DIVISION,
ROAD DEVELOPMENT AUTHORITY,
"SETHSIRIPAYA",
BATTARAMULLA.

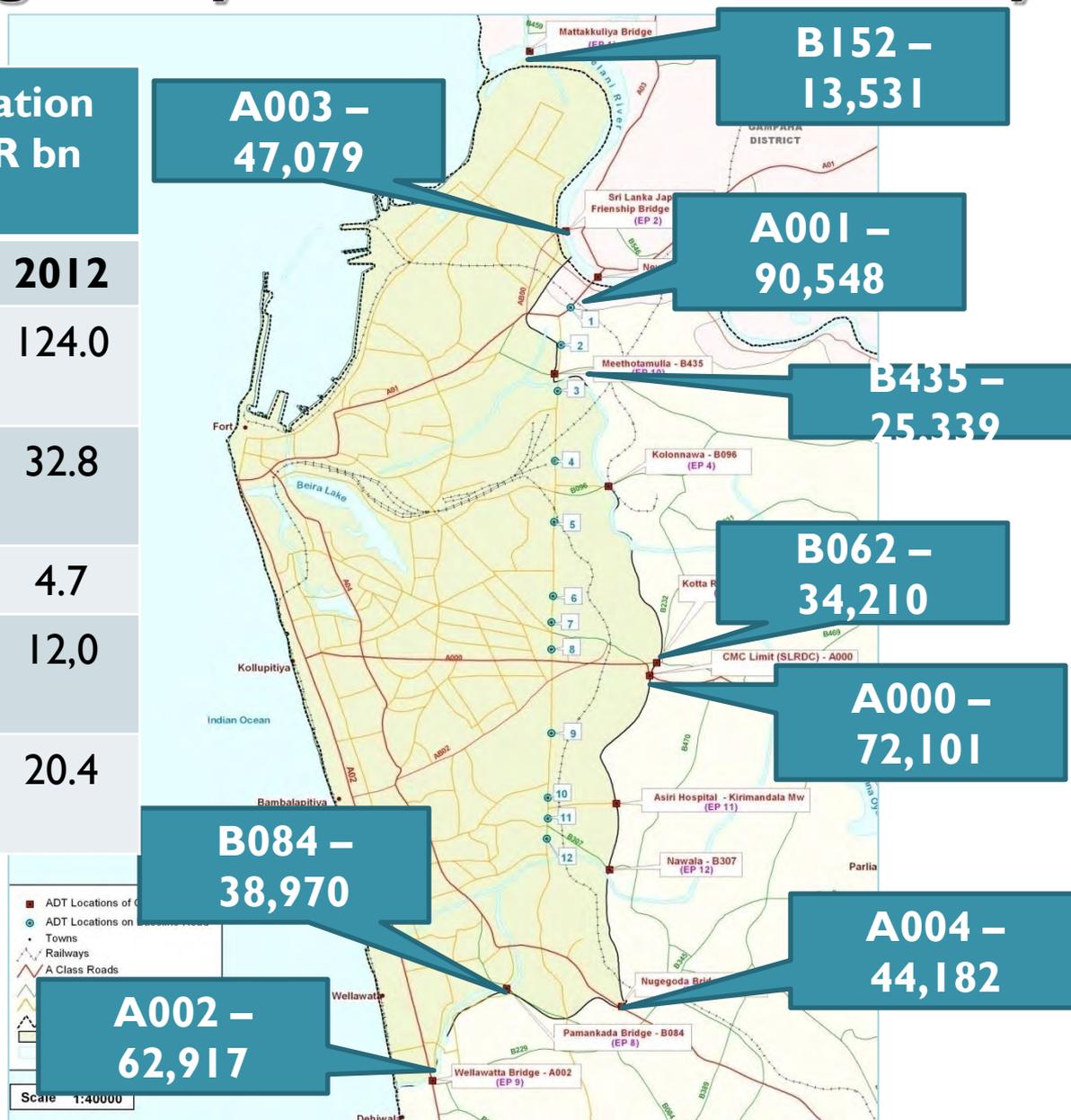


**public mobility
in urban area**



Average Daily Traffic at Colombo Entry Points

Sub Sector	Allocation LAKR bn	
	2011	2012
1. Road	120.0	124.0
2. Rail way	20.8	32.8
3. Bus	6.2	4.7
4. Air port	01,7	12,0
5. Port	11.7	20.4



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**

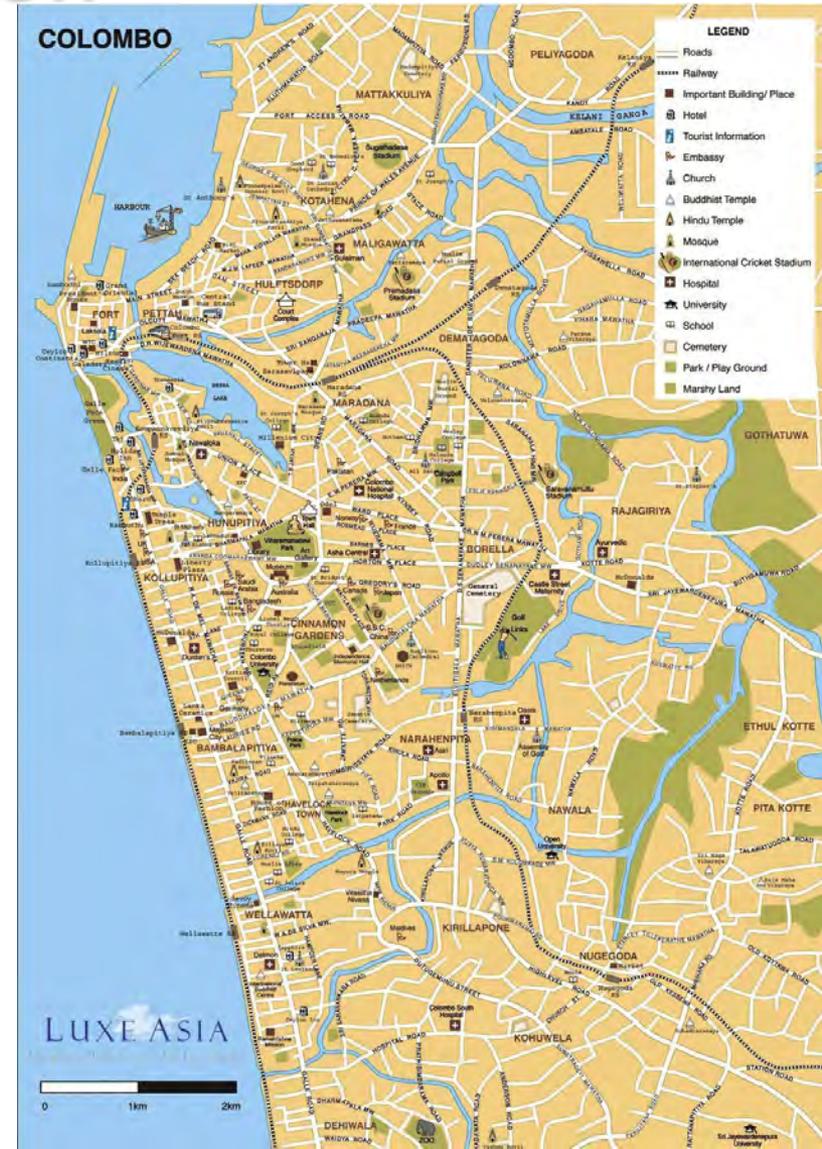
Issues and Challenges

- 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 movement 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