

MRTS FOR NAIROBI

PRESENTED DURING THE INTERNATIONAL CONFERENCE ON
TRANSPORT & ROAD RESEARCH HELD ON 15TH ~ 17TH
MARCH, 2016 MOMBASA, KENYA

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NaMATA SECRETARIAT

PRESENTATION OUTLINE

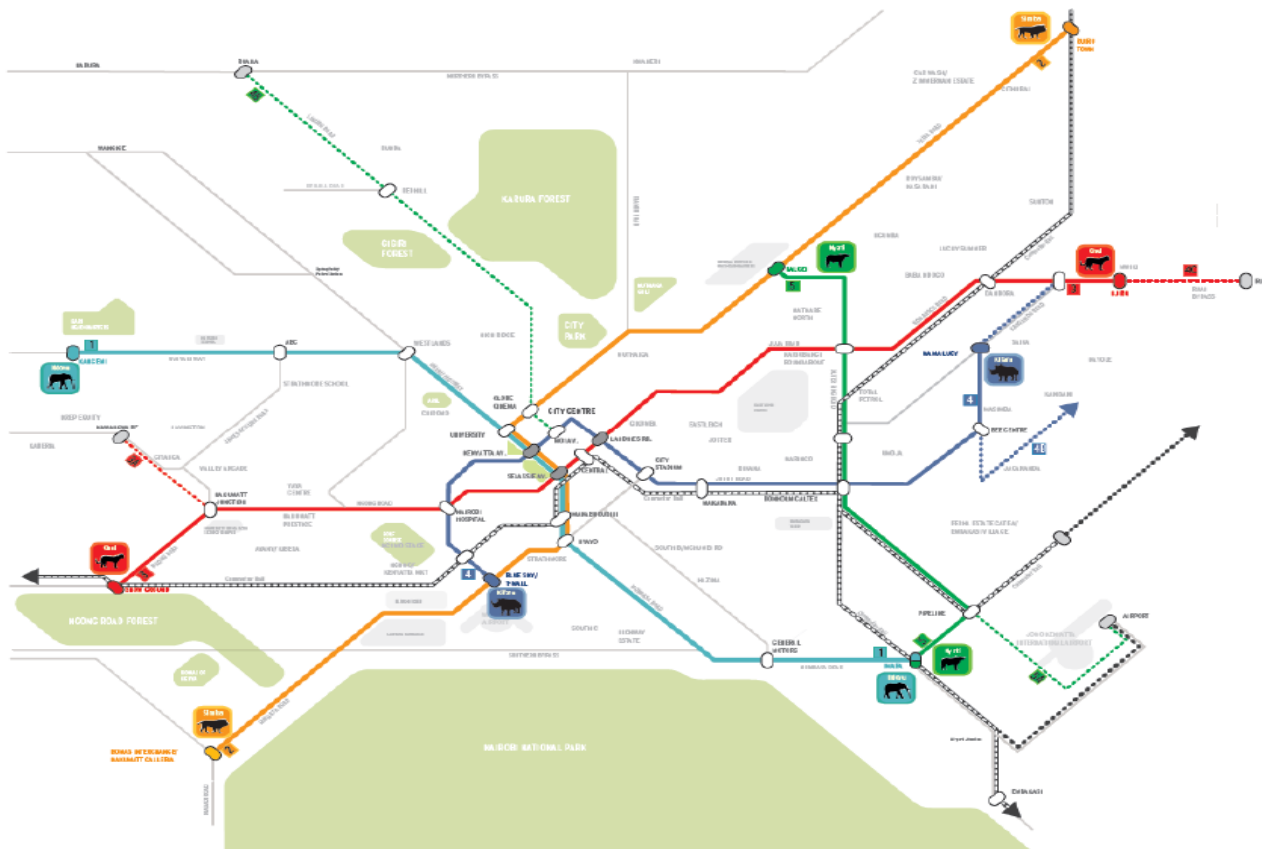
1. Nairobi MRTS
2. Global best practice
3. Challenges

1. NAIROBI MRTS

Nairobi Mass Rapid Transit Study 2011

NO	CORRIDOR	MRTS
1.	NRS – RUIRU - THIKA	LRT/BRT
2.	NRS – JUJA ROAD-KANGUNDO	LRT
3.	NRS – JOGOO ROAD- KOMAROCK	LRT
4.	NRS – JK AIRPORT – ATHI RIVER	
5.	NRS – LANGATA ROAD - KAREN	BRT
6.	NRS – UPPER HILL - NGONG	LRT
7.	NRS – KABETE - KIKUYU	LRT/BRT
8.	NRS – GIGIRI – LIMURU	BRT
9.	OUTER RING	LRT
KES 400B		

Nairobi Mass Rapid Transit Harmonisation Study 2014



NAIROBI PROPOSED MRTS / COMMUTER RAIL NETWORK

- 1 Bolebo Line (Blue)
- 2 Siriba Line (Orange)
- 3 Chui Line (Red)
- 4 Kfara Line (Green)
- 5 Nyati Line (Purple)

Phase I - Year 2016-2020
Road Based Bus Rapid Transit System (BRTS)
Lines with lay over Stations to Light Rail Transit System (LRT) Lines

Phase II - After 2020
Rail Based Mass Rapid Transit System (MRTS)

- Station
- Commuter Rail
- Road Network
- Solid Lines - To be implemented in Phase I
- Dotted Lines - Line Extensions in Phase II

2. GLOBAL BEST PRACTICES

BUSES

- Improve safety
- Make buses more accessible
- Increase capacity
- Assist in reducing congestion
- Improve air quality
- Improve driver and passenger comfort



More Accessible Buses

Wider doorways with fewer and lower steps

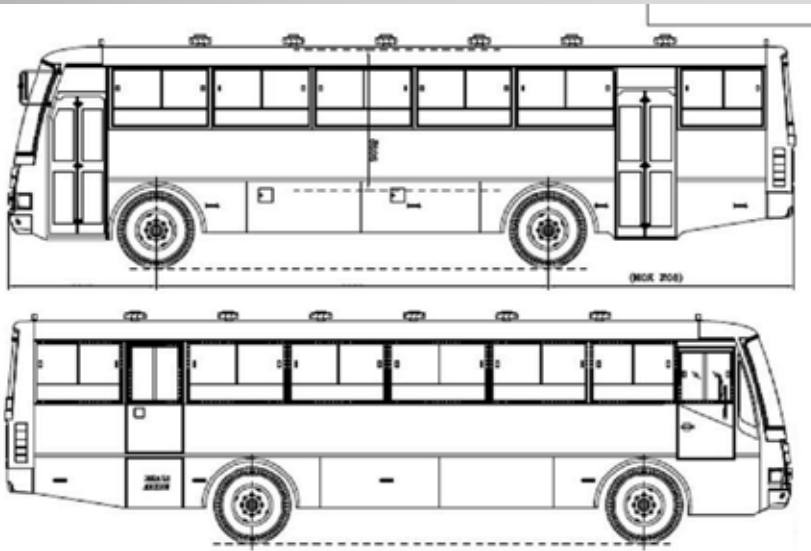
Now



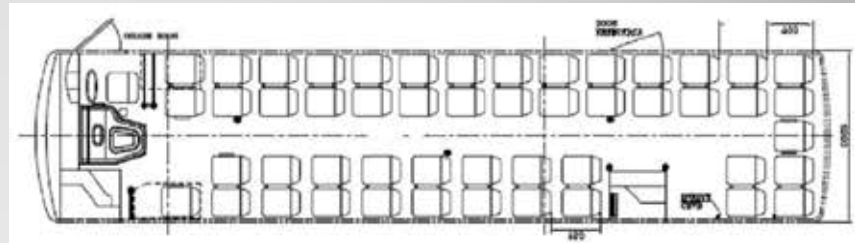
Future



BUSES



~12m Bus –
Short Term



GLOBAL BEST PRACTICE

- Length 11.5-12.5 m
- Flexibility to allow for front or rear engine layout
- Two passenger doors (700-850 mm width between handrails)



3. CHALLENGES

- POOR ROAD CONDITIONS
- UNTRAINED CREWS
- LEAKAGE OF FARE COLLECTIONS
- OVERSUPPLY OF PSV VEHICLES
- TRAFFIC CONGESTION

Thank You!