Implementing LCS Options: Transport Sector in India

P.R. Shukla Indian Institute of Management Ahmedabad, India

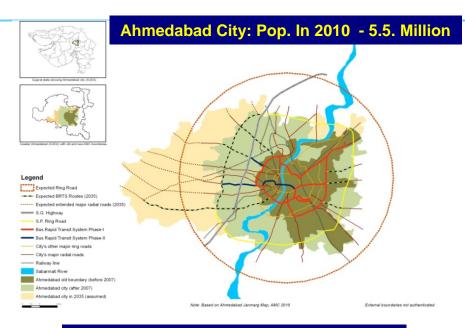
Presented at

Side-event at COP17:

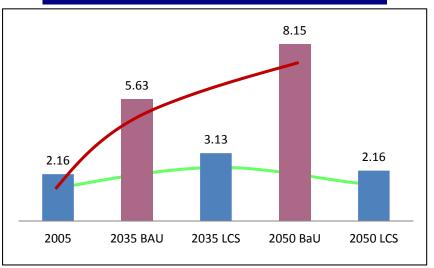
Low CARBON Society in Asia: From Planning to Implementation Durban, South Africa, December 2, 2011



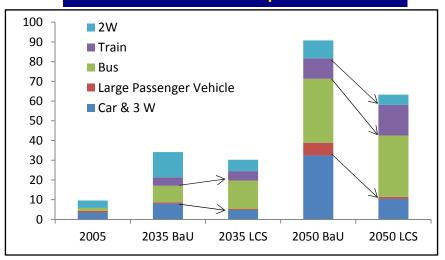
Ahmedabad City: LC Transport



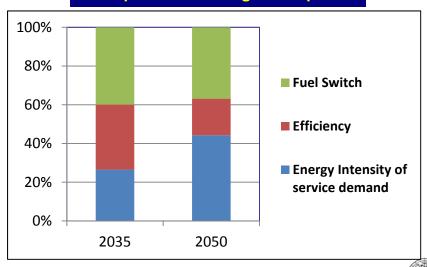
Per Capita CO2 Emissions (Ton)



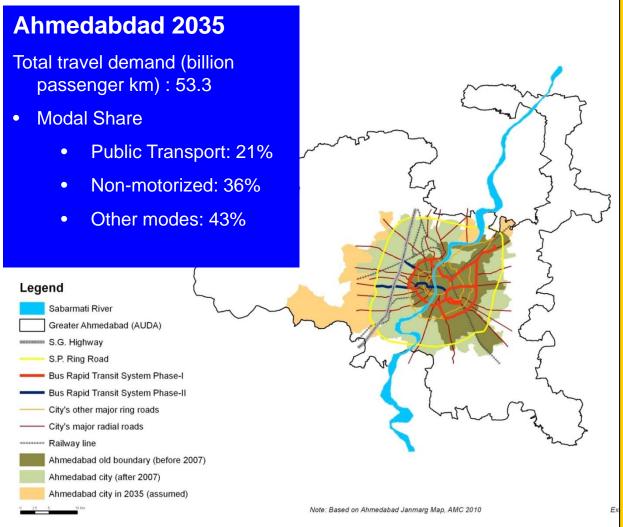
Transitions in Transport Modes



Transport Sector Mitigation Options



Low Carbon Mobility Plan



Mobility Module

Inputs

- Economic output from Household, Industry and Commercial sector
- City Development Plans
- National Development Plans
- Labour input for different sectors

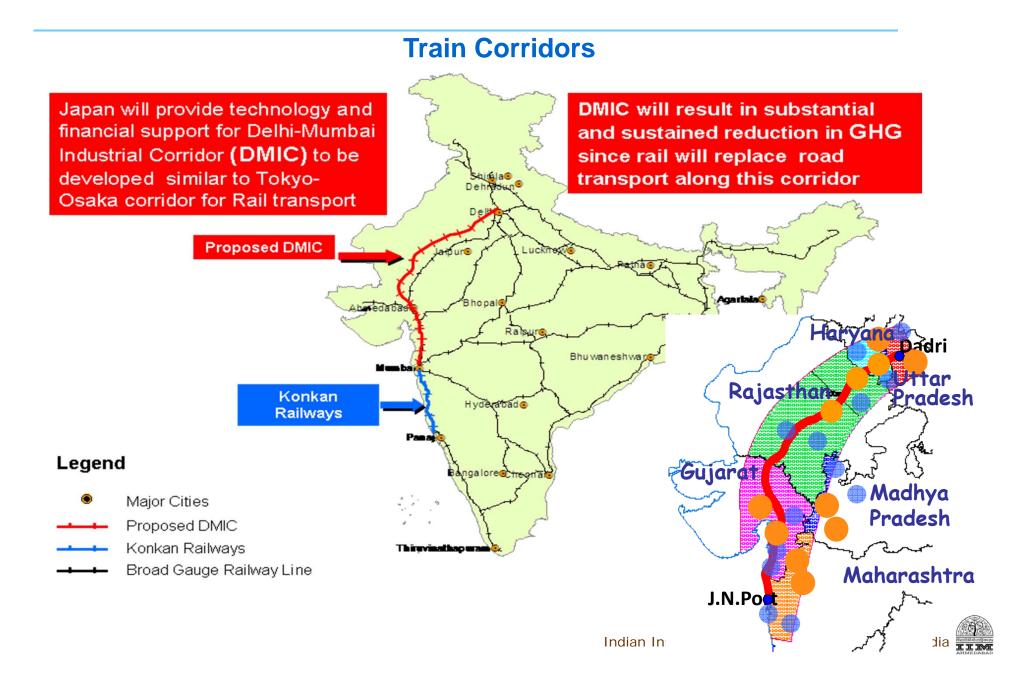
Outputs

- Demand for mobility
- Modal shares
- Infrastructure needs
- Traffic speed

Model Framework

Land use transportation model

Infrastructures to Overcome Lock-ins

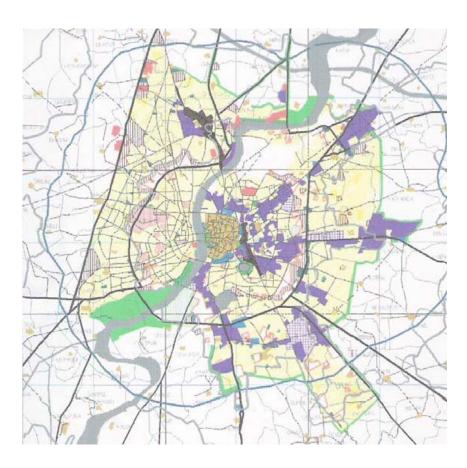


Linking Intra and Inter-city Mobility

DMIC Freight Corridor

Rajasthan Pradesh Gujarat Madhya Ahmedabad Pradesh Maharashtra J.N.Port

Ahmedabad: Land Use Plan



Source. City Development Plan for Ahmedabad



2010







Website: www.unep.org/transport/lowcarbon

2050





