

# Hanoi Bus Rapid Transit (BRT)

Travel in Hanoi today is dominated by motorcycle usage, and to a lesser extent bicycles and cars, with less than 8% of trips being made by public transport. As the city grows in size and prosperity, the Hanoi Authorities have recognized that increased use of public transport is essential for the future sustainability of the city.

In the short to mid-term this must rely on a bus-based system, and the Authorities therefore intend to pursue a public transport policy in which buses are provided with a high level of bus priority over other road traffic. Introduction of a Bus Rapid Transit (BRT) system is seen as the backbone of this initiative.



MVA was commissioned in early 2005 to lead a multi-disciplinary study comprising Feasibility Study and Preliminary Design for a Bus Rapid Transit (BRT) System in Hanoi. The study was funded through loans from the World Bank, and executed through the Project Management Unit under the Hanoi People's Committee.

The study covered all aspects not just of the physical engineering and systems design of the BRT system, but also including:

- ▶ reorganization the bus system with BRT.



- ▶ recommendations on organizational structures and the need for institutional strengthening and capacity building.
- ▶ traffic management reorganization for BRT.
- ▶ fare strategies and ticketing systems.
- ▶ public awareness studies and campaigns.
- ▶ environmental, economic and financial appraisals requirements for depots, bus maintenance facilities.

MVA assembled a team of international experts for this study:

- ▶ BRT expertise from Quito, Ecuador and Bogota, Columbia two of the South American cities to have successfully implemented BRT systems.
- ▶ Bus planning, operations and maintenance experts with experience both internationally, and recently on institutional and planning studies of public transport development in Hanoi.
- ▶ Traffic engineering, particularly for the many and complex intersections where BRT will require priority or other special measures.
- ▶ Public relations and consultation which will be essential to inform and convince the public of the benefits of the new BRT transport system.

MVA also teamed with one of the leading local Transport Engineering consultants in Hanoi, to provide technical expertise and understanding of the requirements of the study and project implementation in Vietnam; and in liaising with HPC and other local authorities in Hanoi.



## Hanoi BRT Project

- Lines : 2
- Length : 24.5km
- Stations : 51
- Speed : 22km/h (operating)  
50km/h (maximum)
- Ridership : 240,000pax/day (2010)

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