

## Ho Chi Minh City Metro Rail Study



MVA was commissioned by ADB to undertake an independent feasibility study to progress the implementation of two rail MRT lines (UMPU Lines 2 and 3) in Ho Chi Minh City, Vietnam. Key issues such as transition zones between elevated and underground, station locations, etc, potential interfaces and interchanges with other planned systems had to be considered. Precise location of stations and accesses were taken into account since it would have both positive and negative impacts on surrounding property and land values.

There were three (3) major components to this study:

**An optimized MRT masterplan** which integrates the proposed MRT lines into a cohesive network with other modes, identified required supporting policies, and developed design parameters for the two project lines.

**A feasibility assessment and preliminary engineering design** for the two project lines. Confirmed the engineering feasibility, and identified social and environmental impacts for accurate cost estimation and financial appraisal.

**A plan to support project implementation** included institutional and staffing arrangements, capacity building and financing / funding options. The plan developed the program and ToR's for ongoing work.

The above deliverables fed into a more detailed engineering design and preparation in order to implement the project.

MVA tasks included:

► **Part I Masterplan**

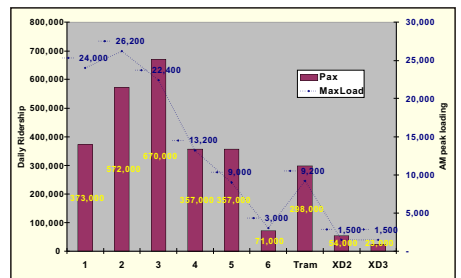
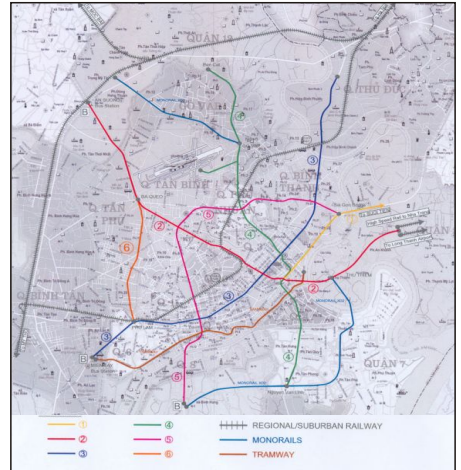
- Reviewed existing studies and data
- Conducted traffic and socio-economic surveys
- Conducted CUBE transport model
- Forecasted future demands on the public transport system.
- Identified policy measures to support the masterplan.

► **Part II Preliminary Design**

- Reviewed relevant studies and survey data
- Conducted topographic and geotechnical surveys
- Proposed MRT design standards and conceptual planning
- Studied and identified engineering feasibility and constraints

► **Part III Implementation**

- Identified capacity building requirements
- Identified project finance options
- Developed Implementation programme and risk management plan



### HCM City Planned MRT Network :

- 6 MRT lines totaling 109 km
- Monorail
- Tramway
- Bus Rapid Transit

**Note :**

The above quoted figures are indicative only.

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