

## **MVA in Pakistan**

Since early 2005, MVA Asia Ltd has maintained an office in Lahore, in the Punjab region of Pakistan. The office has been staffed by a resident Director from MVA, and a team of international and local experts. Most work from this office has related to major studies for the planned Lahore Rapid Mass Transit System, together with a number of studies for private sector clients.

## **MVA Consultancy Services**

MVA Asia Limited is part of the MVA Group, comprising some 400 professional staff in traffic and transportation worldwide. MVA is one of the largest consultancies of its type in SE Asia, and worldwide.

MVA provides professional consultancy services in all aspects of traffic and transport planning and management. Clients include Governments, local authorities, transport operators, project developers and financial institutions.

## **Transport Forecasting in Lahore**

MVA has developed and updated comprehensive and detailed multi-modal forecasting models for the city of Lahore. The models incorporate full "4-stage" procedures and both highway and public transport network assignment models.

MVA's forecasting models have been calibrated and validated in 2005 and 2007, and used primarily for detailed planning, engineering, financial and economic studies of the planned Lahore Mass Transit network.

## **Recent Project Experience in Pakistan**

### ***Lahore Rapid Mass Transit System Masterplan***

MVA was appointed by the Government of the Punjab to undertake a review of the future transport requirements for the city, and to recommend an appropriate rapid mass transit system (RMTS) network. The study involved extensive data collection, development of forecasting models, and options analysis. A phased network of four MRT lines was recommended.

### ***Lahore "Green Line" RMTS Feasibility Study***

The 22km Green Line was the first priority line recommended from the masterplan study. MVA undertook a full feasibility study for the project, including liaison with Asian Development Bank to arrange the major funding required.

During the study it was found that part of the elevated section of the MRT line clashed with a proposed elevated road project. MVA therefore also undertook a study of the road project to develop designs that could accommodate both road and MRT along the same corridor.

### ***Lahore "Orange Line" RMTS Feasibility Study***

The Orange Line was the second priority line, and MVA was commissioned to undertake a full feasibility study for the project.

### ***Mabarak Centre Masterplan and Traffic Studies***

The Mabarak Centre is a proposed major landmark mixed-use development in the centre of Lahore. MVA advised the developer and architects on all aspects of traffic planning and parking, and were influential in obtaining approvals from the city for a major road underpass, land for an additional car parking block, and changes in local road and access arrangements.

### ***Lahore Southern Bus Terminus***

MVA was commissioned by a private client to undertake a feasibility investigation into the provision of aintegrated transport terminal for provincial (inter-city) buses, at a site identified on the south-western outskirts of the city. The study established the case for the new terminus, and developed sizing and layout concept plans.

### ***Institutional Study for Traffic Management***

This study examined all aspects of institutional procedures and requirements, concerned with traffic management for one of the main transport corridors in the city. Recommendations were made on improvements to concerned institutions, and also on amendments needed to the relevant legal and legislative documents.

### ***Faletti Centre Masterplan and Traffic Studies***

MVA provided advice on all aspects of traffic circulation, access and parking for this proposed major development on a very prestigious site in the heart of Lahore. The development comprises office, hotel, apartments and retail. Parking studies were carried out taking into account the particularly high usage of motorcycles as well as fast growing car ownership in the city.

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