

## Toll Roads & Expressways in Asia

### Consultancy Services for Highway Projects

MVA specialises in highway, traffic and transport planning, and has extensive expertise and experience of expressway and toll road projects in Asia. Our services on such projects include:

- ▶ Traffic and revenue forecasting; toll fee sensitivity and optimisation
- ▶ Alignment & interchange feasibility analysis
- ▶ Affordability studies
- ▶ Data collection and analysis
- ▶ Toll collection systems
- ▶ Traffic control and surveillance
- ▶ Economic and financial assessment
- ▶ Due diligence audits
- ▶ Traffic impact

MVA operates in Asia through its head office in Hong Kong; through local offices in China, Thailand, India and Singapore; and through project offices in other countries as required.

For forecasting studies, MVA uses a variety of software packages to suit local conditions and requirements; these include TRIPS, EMME/2, SATURN and many other detailed simulation tools.

### Selected Recent Experience

#### Hong Kong

- ▶ Eastern Harbour Crossing
- ▶ Western Harbour Crossing
- ▶ Tate's Cairn Tunnel
- ▶ Route 3 Country Park Section
- ▶ Strategic road network planning and forecasting studies throughout the territory including cross-border

#### Thailand

- ▶ Don Muang Tollway
- ▶ Bangkok Chonburi Tollroad Network
- ▶ Second Stage Expressway
- ▶ Bangkok Expressway Network Extensions and toll optimisation studies

#### Philippines

- ▶ Manila North Tollway (North Luzon Expressway)
- ▶ Pasig Expressway Project

#### Singapore

- ▶ North-South Expressway feasibility study

- ▶ Singapore Underground Roads Study (SURS)
- ▶ Second Malaysia Singapore Road Crossing

#### Malaysia

- ▶ LDP & SPRINT tollroads
- ▶ KL Seremban and KL Karak Expressways
- ▶ Shah Alam Expressway
- ▶ East Coast Highway

#### Indonesia

- ▶ Jakarta Outer Ring Road and other tollroad forecasts for potential bidders (6 projects)
- ▶ Java Arterial Road Network Study
- ▶ Trans-Java Highway project
- ▶ Several tollroad review studies

#### India

- ▶ Mumbai Trans-Harbour Link project
- ▶ Jogeshwari Vickroli Link Road
- ▶ Anik Panjapole Link

#### Korea

- ▶ Hangdarm Island (Route 11) Expressway

#### Vietnam

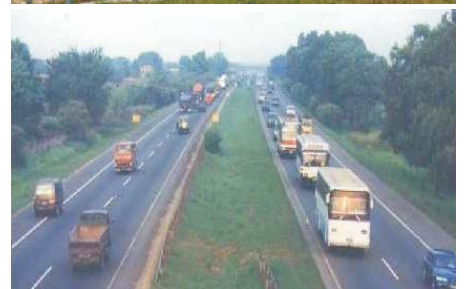
- ▶ Hanoi Highway No 1 Tollroad
- ▶ Ho Chi Minh Vung Tao Expressway

#### China

- ▶ Guangzhou Shenzhen Zhuhai Superhighway
- ▶ Zhaoqing to Guangzhou City Tollway
- ▶ National Highway 107 (Huaxian to Yinshan)
- ▶ Dong Bei and Zhen Xing Roads, Dalian
- ▶ Qingdao Huangdao, Haiwan Bridge
- ▶ Shenzhen Airport He Ao Expressway
- ▶ Guangzhou - Zhaoqing Expressway
- ▶ Huizhou - Heyuan Expressway
- ▶ Guangzhou Zhuhai Eastern Expressway
- ▶ Beijing Airport Expressway
- ▶ Beijing Shenzhen Expressway

#### Australia

- ▶ Melbourne Mitcham Frankston Freeway
- ▶ Brisbane Airport Link



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