

## Major International Hospital Development in Hong Kong



As in many countries Hong Kong suffers from a shortage of top quality hospitals with state of the art technology. One of the major hospitals in Hong Kong, The Hong Kong Sanatorium and Hospital (HKS&H) is intended to be redeveloped over 15 years into one of Asia's finest hospitals.

The road network surrounding the hospital primarily serves local traffic and one of the challenges was to develop proposals that allow for the development at the hospital and result in an overall improvement in traffic conditions on the local road network.



MVA was appointed to provide a range of services including:

- ▶ Area traffic surveys
- ▶ Trip generation surveys
- ▶ Origin and Destination Surveys
- ▶ Future Year Traffic forecasting
- ▶ Junction Assessment

- ▶ Development of mitigation measures
- ▶ Access assessment
- ▶ Reassignment of traffic following changes in access
- ▶ Modification of Public Transport facilities
- ▶ Modification of Method of Control at traffic Signals
- ▶ Liaison with Transport Department for changes to road layout
- ▶ Preparation of Transport Assessments for different Scenarios
- ▶ Preparation of input for Town Planning submissions

MVA also assisting with the design of internal building arrangements, including:

- ▶ Working with local and US based architects
- ▶ Development of access and internal circulation strategies to minimise risk of queues
- ▶ Improvement in drop-off and servicing facilities
- ▶ Swept Path Analysis for accessing and egressing vehicles
- ▶ Commenting on plans for submission to government



### Development Parameters

- ▶ Existing, 440 beds
- ▶ Potentially 800 beds with major access improvement.

**Note :**

*The above quoted figures are indicative only.*

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