

MVA to Conduct Micro-Simulation Models for Traffic Investigation and Improvement Study – Phase II, Bandar Seri Begawan, Brunei Darussalam



June 19th, 2012 - MVA will conduct the Phase II traffic investigation and improvement study at identified congested areas in Bandar Seri Begawan, capital of Brunei Darussalam. This is a continuation of the current Traffic Investigation and Improvement Study - Phase I. The study involves using VISSIM micro-simulation tools to develop 3D visualization traffic models to simulate current and future traffic conditions.

A number of junctions, road links or interchanges have been identified as areas with high levels of congestion – especially during peak hours. High traffic volumes and lack of traffic control in some cases have led to congestion and severe delays for vehicles traveling through these affected areas.

MVA will undertake surveys at these affected areas to collect detailed traffic count data. These results will be validated and calibrated in comparison to the existing traffic conditions at these affected areas.

3D VISSIM traffic simulation models will be built based around these conditions and further analysis will be required to provide detailed recommendations at these affected areas – whether there is a need for any improvements, such as; road marking amendment, junction widening, signal phasing modification or addition of a fly-over/ underpass.

VISSIM is a microscopic, multi-modal traffic flow simulation software, primarily used for traffic engineering. VISSIM’s clear animation and aesthetics serve as a useful tool for illustrative purposes and communication to the general public as the program allows for input of custom-built 3D models. Neighboring buildings, pedestrian bridges, traffic lights and signs can be created in 3D modeling software and inputted into the simulation producing a realistic representation of the areas of study.

MVA is a global transportation specialist and leading market research consultancy with its operation established in Asia since the 1970s. The Asia headquarters, located in Hong Kong, operates through offices in Mainland China, India, Singapore and Thailand and project offices across the region. MVA is a member of GROUPE SYSTRA, one of the world’s leading consultancy organizations in mobility and rail and urban transport engineering, with a strong international presence in 350 cities and 150 countries.

###

Press contacts:

Louis Chan

Email: Louis.Chan@mvaasia.com

Joe Brown

Email: Joe.Brown@mvaasia.com