

PROJECT DATA SHEET

Project Name : Mutiara Crossing - Feasibility Studies		
Project no. : 9216		
Country :	State / Region :	Client :
Malaysia	Penang	Costain (M) Sdn. Bhd.
No. of Professional Staff Involved :		
30		
No. Of Professional Man- Months :		
45		
Approximate Value of Project :		
RM 2 billion		
Start Date :	April 1997	
Completion Date :	September 1997	
Associate firms (if any) : Symonds Travels Morgan & Sir William Hallcrow and Partners (M) Ltd		
Description of Project and Services Provided:		
<p>The project comprised of 19.3 km of roads connecting the island of Penang to the mainland. The main navigational span was 280 m long with viaduct approvals on either side for a length of 14 km.</p>		
Services:		
<ul style="list-style-type: none"> ▪ Feasibility study for the project comprising alternative alignment study ▪ Review & analysis of sub-soil investigation ▪ Review of alternative Span arrangement for main bridge & visual approach ▪ Preliminary engineering for selected options of main bridge & viaduct approach ▪ Preparing Bill of Quantities ▪ Carrying out Environmental Impact Assessment Study 		