



## Brunei Temburong Link

**Naeem Hussain, Sammy Yip, Murphy To**

*Ove Arup & Partners, Hong Kong*

**Chin Kok Kong, Ding Lee Sing, Yat Kheong Cheng**

*Ove Arup Dan Rakan-Rakan, Brunei*

Contact: [naeem.hussain@arup.com](mailto:naeem.hussain@arup.com)

### Abstract

Temburong district has been physically isolated from the rest of Brunei which has hindered the economic growth of the district. A sea-crossing link is being constructed to connect the district to Brunei-Muara. A feasibility study was carried out between 2010 and 2012 to establish the alignment and preliminary design of the link, followed by detail design and construction. This paper describes aspects of the feasibility study, detail design and construction

**Keywords:** Alignment, marine viaduct, swamp viaduct, cable-stay bridges, pre-cast construction.

### 1 Introduction

Brunei is located on the north coast of the island of Borneo in Southeast Asia. Apart from its coastline with the South China Sea, it is completely surrounded by the state of Sarawak, Malaysia; and is separated into two parts by the Sarawak district of Limbang, Figure 1.

This physical separation of Temburong district from the majority of Brunei has significantly affects the economic development of the district and Brunei as a whole. Despite comprising 23% of the total land area of Brunei, Temburong only contains 2% of the population. To travel to Temburong by land requires passing into and out of Sarawak through a long circuitous route typically involving significant waiting times at the borders which can result in a journey time of up to 4 hours between the central business district of Bandar Seri Bagwan and the main district town of Bangar, Figure 2. Alternatively it is possible to travel by speedboat across Brunei

Bay and then up-river to Bangar. Neither of these alternatives offer 24 hours a day accessibility.



Figure 1. Map of Brunei