

STUDY OF BRIDGE

Prepared by: Tan Sing Wei

ABSTRACT

In this report it is cover all the information about the 5 major bridges that I have studied in previous which are:

1. Girder/beam Bridge
2. Suspensions Bridge
3. Cable-stayed Bridge
4. Truss Bridge
5. Arch Bridge

The scope of each bridge study consists:

1. The material use for construct the bridge
2. The advantages of the bridge
3. The way to construct
4. The design code
5. The structure part of the bridge

It also covers the case study I have done on the Akashi Kaikyo Suspensions Bridge at Akashi, Kobe, Japan. Where it is the longest suspensions bridge in the world currently since 1998.

Upon completing all the works in this project, it provides the understanding more about the various type of bridges and applied whatever related theory in the books.