



Taiwan High Speed Rail Project Detailed Design for Civil Work Lot C295

Project

Detailed Design Services of Taiwan High Speed Rail Project Contract C295

Contractor

Evergreen-Italian Thai- Pacific Wire Joint Venture

Location

Taiwan

Service Period

2000/04~2004/04

Scope of Services

Designer of the foundation of all permanent works and civil works. Major works are as followings:

- The foundation design and construction of viaduct and bridge structures of a total length of 26,692 meters, including the crossings of the Erhjen and Ahkungtien Rivers.
- The foundation design and construction of a 420-meter-long-4-track viaduct structure through Tainan Station including the widening of the approach viaduct to 4 tracks.
- The foundation design and construction of a single-track branch line at Chiaotao Depot with 300 meters of viaduct and the design for 20 meters of embankment.

- The foundation design and construction of a widened structure, at the intersection of the mainline, the test track and Chiaotao Depot turnouts, of 2125 meters in length.
- The design of permanent and temporary diversion of road and drainage.
- The design of temporary works.
- Acting as Lead Geotechnical Engineer.
- Providing Key Personnel of Design QA Manager.

Project Description

This contract is for the design and construction of the section of the Taiwan High Speed Rail Civil Works C295 between TK 312+734 to TK 340+058.

The contract includes the design and construction of a total length of 26,692 meters of viaducts and bridges, including the 4-track section of viaduct structure through Tainan Station. The contract also includes the test track and link line to Chiaotao Depot. The viaducts/bridges are constructed by FPLM, CIP, MSS and BCM methods.

The alignment generally lies approximately parallel to the existing Taiwan Railway and the North / South Freeway Number 1. Within the city of Kaohsiung the HSR will traverse a highly developed and densely populated area and will align down major roads and cross several major junctions.