

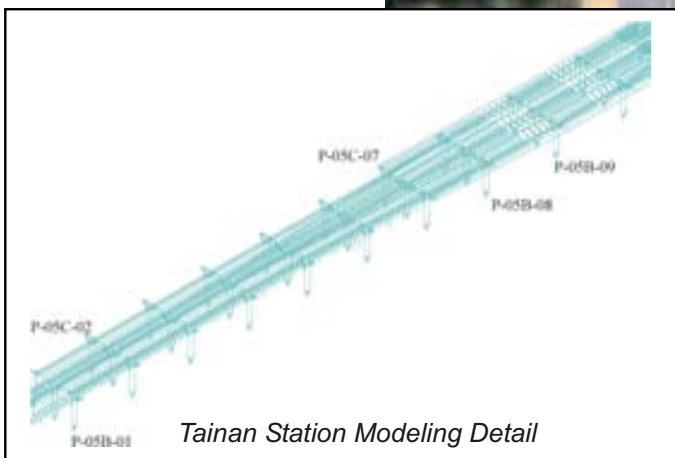
Taiwan High Speed Rail Segment Design

Design Analysis

Location: Taiwan

Owner: Taiwan High Speed Rail Corporation

Segment C295 of the Taiwan High Speed Rail spans Tainan and Kaohsiung, linking Gueiren Hsiang, Tainan, Renwu Hsiang, and Kaohsiung. The Rail serves the densely populated western side of Taiwan Island, running at a maximum speed of 350 km/hour. The total length is 27,324 meters (from 312+734 to 340+058), with most of the elevated structure a 30M single span viaduct constructed using movable scaffolding system and cast-in-situ method. The Design-Build Contract was handled by a Joint Venture of Italian Thai Development Public Company of Thailand, Evergreen Construction Corporation of ROC, and Pacific Electric Wire & Cable Company of ROC.



The Taiwan High Speed Rail Corporation, responsible for the design and operation of the 340-km long high-speed rail line commissioned SC Solutions to conduct the seismic, track-structure interaction, and rolling stock (passenger comfort) analysis in support of their design efforts for segment C295 of the Taiwan High Speed Rail Project.