



Infrastructure Innovators Since 1994

QuakeWrap, Inc.

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www.quakewrap.com

PROJECT PROFILE: Bridge Repair

Repair System: QuakeWrap Wet Layup application of FRP

Project Client: VIET-JAPAN ADVANCED TECHNOLOGY (JVTEK), Dong Da Dist., Ha Noi, VietNam

Location: Tran Thi Ly Bridge, Da Nang, Vietnam

Owner: City of Da Nang, Department of Transport



Project Synopsis:

The Tran Thi Ly Bridge is a concrete cable-stayed bridge with an overall length of 731 meters, a width of 34.5 meters, and a main span that is 230 meters long. Its single inclined tower is 145 meters high and cables fan out on either side. The bridge has six lanes for traffic plus pedestrian sidewalks on both sides.

The bridge spans the Han River in the center of the city of Da Nang in an east-west direction. Passenger and goods travel between the Han River's west coast and the east coast's tourist area, connecting Da Nang city with the Dien Nam-Dien Ngoc industrial zone in the Quang Nam province.

Several bridge girders showed signs of compromise and required repair. QuakeWrap's repair system using unidirectional carbon fiber reinforced polymer (FRP) was selected to provide the desired solution for both flexural and shear strengthening of the superstructure.

Project Photo, Before:





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Project Photos, During Repair:





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Project Photos, Finished Repair:

Project Credits:



Wet Layup



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