

Wind tunnel testing for Cisadane cable-stayed bridge

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Abstrak

In the framework of the design of Cisadane Cable Stayed Bridge, a wind tunnel testing on scaled model has been conducted to observe its aerodynamic forces. The wind tunnel which is used for test, was a low speed wind tunnel.

The test results are the coefficient C_i , C_d and C_m . The coefficients can be used to calculate the load of the structure, the lift force and the pitching moment. Based on the test results, shape improvement of the proposed bridge deck is also considered.