

## **Trial Design of the RC Pier Applying the Revised Standard for Railway Concrete Structures**

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Based on previous research, the formulas and values in the Design Standard and Commentary for Railway Structures (Concrete Structures) have been revised. In this report, we compare RC piers designed based on the revised standard (published in 2023) with those designed based on the current standard (published in 2004). Consequently, this comparison resulted in more rational design, for example, in the reduction of reinforcing-bar ratio, by increasing applicability of yield strength of rebars and revising formulas for the shear strength of RC members and pile foundation.