

**Trial Design and Evaluation for the Revised Design Standard for Steel Structures
and Composite Girders**

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The design standard for railway steel structures and composite girders as based on a limit-state design method will be revised in the near future. This design standard is newly based on the performance design method. In this report, we designed steel and composite girders according to the old and new design standards, and evaluated the effect of the revision. The trial design for a deck girder, a through girder, a through truss girder and a composite girder are targeted to compare the results obtained by the two different design methods. We have consequently verified that there is some possibility that the design results complying with the new design standard become economical design results.