

### **Development of the Alternative Device of the Projection of a Slab Track**

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The projection of a slab track is a component which restrains the horizontal displacement of the track-slab. In recent years, damage to the projection, the factor of which is considered the corrosion of reinforcing bars has been reported, and in some cases, re-construction is required. However, not only technically but in terms of working hours, it is difficult to re-construct an existing projection in commercial lines. Then, we developed an alternative device which has a function equivalent to the existing projection and can be constructed easily in commercial lines. Moreover, the horizontal loading test to this alternative device was carried out, and it has been confirmed that the device has enough strength as against the design load of the projection.