

○ Improvement of the Glued Insulated Joints

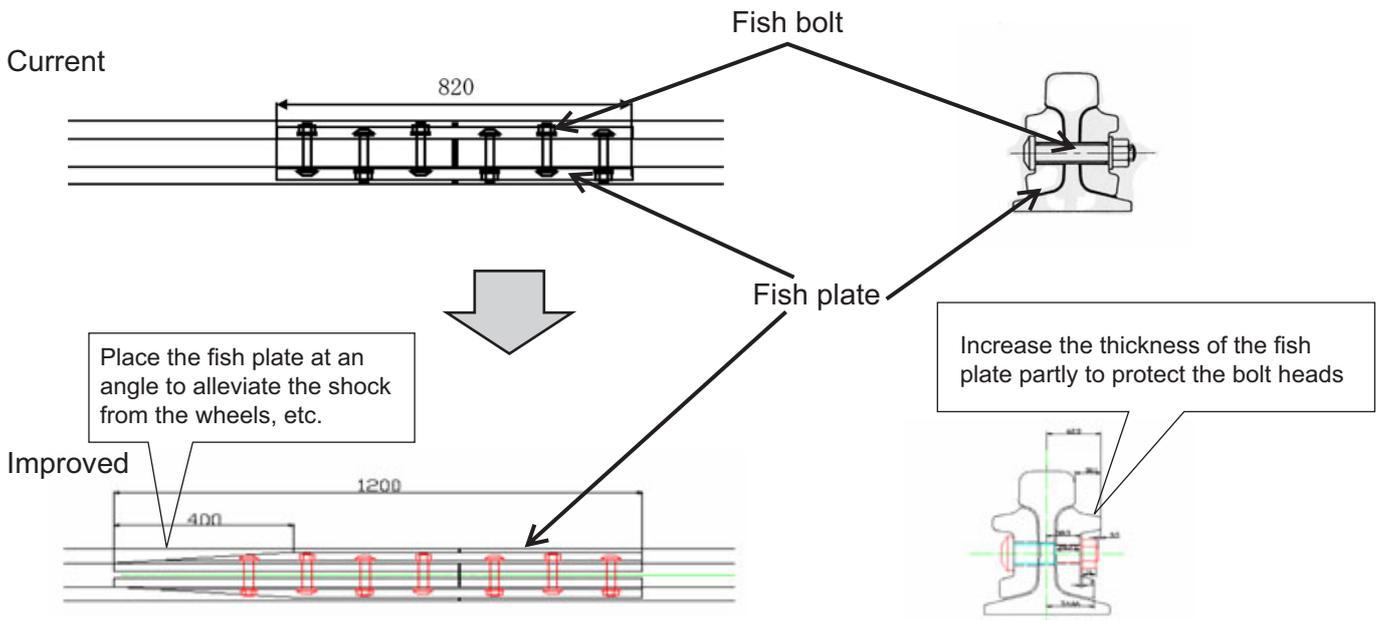
(1) Objective

To prevent the glued insulated joints from being broken by the wheels.

(2) Summary

We will add the following improvements to the current insulated joint.

- Set the end at an angle to reduce the shock that occurs when the wheel or part of the bogie strikes the end of the fish plate, we will set the end at an angle.
- Change the shape of the fish plate so that the wheels do not strike the fish bolt directly.



Current configuration of installed insulated joints



Improved prototype

We will perform shock tests and plan to make test installations within this fiscal year.