

## **Surface Preparation Method of Painted Steel Bridges during Repainting to Improve Corrosion Resistance**

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It has been reported that corrosion progresses prematurely under the coating film due to the remaining rust during the repainting process in painted steel bridges. Therefore, the authors have investigated a method of rust removal using a laser and a corrosion prevention method using a corrosion prevention cap as a method to improve the corrosion resistance of steel bridge coatings. In addition, the authors have studied a covering method to form an enclosed space to apply the blasting method to open deck railway bridges. This paper reports these methods developed to improve anti-corrosion.