

**Development of Detection Technique of Crack of Movable Nose Crossing
Using a Conductive Paint**

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In maintenance of movable nose crossings, its fatigue failure is detected mainly by the methods of visual inspection or dye penetrant test. Since these methods require a great deal of labor force, a method to detect the fatigue failure easily is required. In the regard, the detection method by the conductive paint which is usually applied to detection of the generation and the progress of fatigue cracks of steel railway bridges. As a result of the examination, we found that the crack detection technique using a conductive paint is applicable to movable nose crossing.