

Design Method for Roadbed Improvement for Existing Ballastless Track

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In order to reduce the cost of track maintenance, ballastless track for existing line where ballast voids are filled with cement grout has been developed and put into practical use. However, there is a problem that some constructed ballastless tracks laid on soft roadbed require repair within a few years after operation. Therefore, we developed an improvement method for the ballastless tracks which are laid on soft roadbed and conducted construction to verify the developed method at existing line. In the construction, roadbed improvement thickness was determined according to the proposed design flow. This paper describes the improvement method developed for ballastless tracks for existing line and its results of verification test.