

**Experimental Evaluation of Earth Pressure of Weathering Layer
Act on Protection Work for Cutting Slope**

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In this report, we clarified the characteristics of earth pressure of the weathering layer behind of slope protection work through the laboratory test based on the result of investigation about the cutting slope. We found a number of cases in which the ground weathered along the slope protection work as a result of having investigated on fifty slopes along the railway. We experimented with models based on the conditions of the weathering layer clarified by the above investigation. It was apparent that it was possible to reproduce the earth pressure of the weathering layer as obtained from the experiments by considering the friction of the back surface of slope protection work.