

**Evaluating Method of Seismic Performance of Provisionally Restored
Embankments Reinforced by Reinforcement Bars like Skewers**

Hiroaki SAKAMOTO Kenichi KOJIMA Koji GOTO

In this study, concerning a restoration method for damaged embankments with large sandbags and reinforcement bars, we performed model tests, and confirmed the reinforcing effects by reinforcement bars and the mechanism of seismic behavior. The result of the model tests was that the seismic performance of the restoration method was better than that of a provisional restoration method. Assuming destruction mode and transformation mode based on the result of model tests, we designed in a trial. As a result, we quantitatively evaluated the reinforcing effects by reinforcement bars. Finally we confirmed the validity of proposed designing method, and proposed the evaluating method.