

**The Verification Method of Restorability of Reinforced Concrete Structures
by Using the Total Cost Index**

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After an earthquake occurred, to rehabilitate the function of structures in a short period, it is necessary to control the extent of damage to structures by using applicable technologies within a reasonable cost, considering surrounding environment of the structure. In this study, we described the concept of the verification method of restorability, which is reasonable in minimizing the sum of the initial construction cost, the rehabilitation cost and the operating losses. Then, based on the concept of the minimum total cost, we carried out the verification of restorability of the RC rigid frame viaduct.