## Introduction Manual of Natural Frequency Identification System of Bridge Piers by Constant Microtremor Measurement

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In recent years, disasters have frequently occurred due to rapid river flooding and prolonged high water levels caused by typhoons and localized heavy rainfall. It is therefore necessary to establish a method for monitoring the destabilization of river piers during rising water. In response to this need, we have prepared an introduction manual for a natural frequency identification system, which that includes an the algorithm for identifying the natural frequencies of piers from microtremor measurements, the basic specifications of the acceleration sensors required to construct a microtremor measurement system, the application conditions of this system, and methods for evaluating the measurement results.