

A Case Study on the Field Surveys and Repair of a Marine Approach-Bridge

Authors : S. H. Park, D. W. You

Abstract : This study is about to the field survey and repair works in a marine approach-bridge. In order to evaluate the stability of the ground and the structure, field surveys such as exterior inspection, non-destructive inspection, measurement, and geophysical exploration are carried out. Numerical analysis is conducted to investigate the cause of the abutment displacement at the same time. In addition, repair works are practiced to the region damaged with intent to sustain long-term safety.

Keywords : field survey, expansion joint, repair, maintenance

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