

Application Method of Mechanical Anchorages for the Beam-to-Column Joint of RC Viaducts

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As countermeasures for dense rebar at beam-to-column joint of RC viaducts, there could be the application of the mechanical anchoring method for longitudinal bars. However, the behavior of anchorages has not been clarified at the part where the constraint concrete is small, such as the beam-to-column joints. This research experimentally clarifies the behavior of anchorages when applying mechanical anchorages for longitudinal bars at the beam-to-column joint, and proposes conditions under which the mechanical anchoring method can be applied to the beam-to-column joint.