

Recent trends in Japan in application of precast techniques to bridge structures

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ABSTRACT: Precast technique is one of the most effective method to shorten the construction time as well as to improve the quality of concrete structures. From the points of ensuring quality and of improving construction productivity, the recent trends in Japan in the application of precast techniques to bridge structures are introduced, which are applied to decks, girders and piers. Furthermore, the newly-developed precast concrete wall barrier that can be constructed within very short time on the existing bridge deck slab is also introduced in detail.