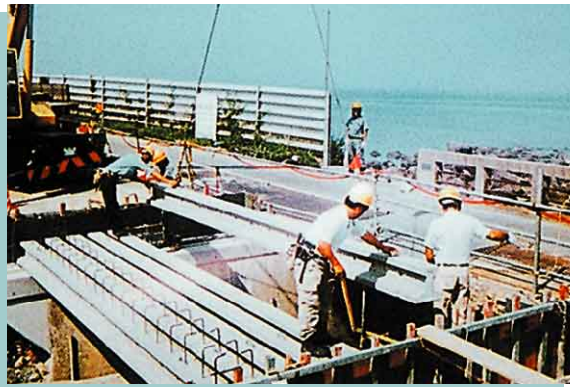
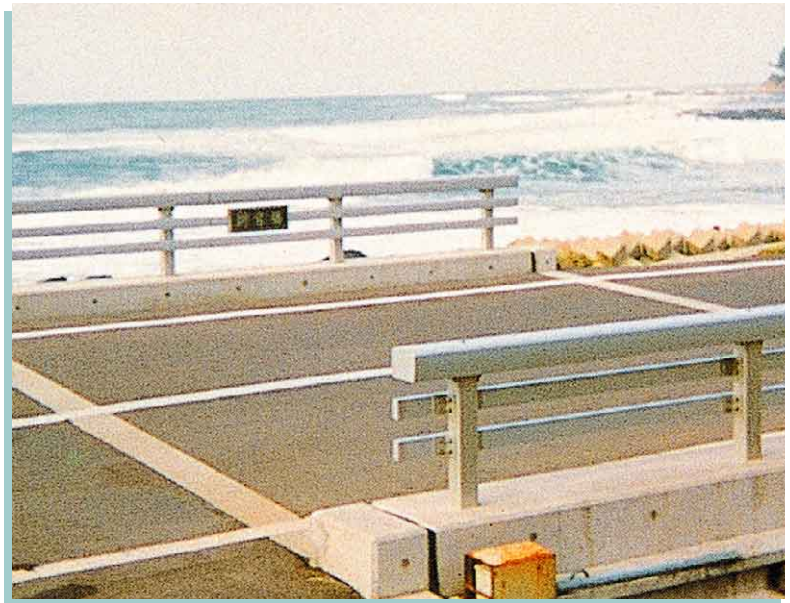


Reinforcement of structures under a severe corrosive environment.

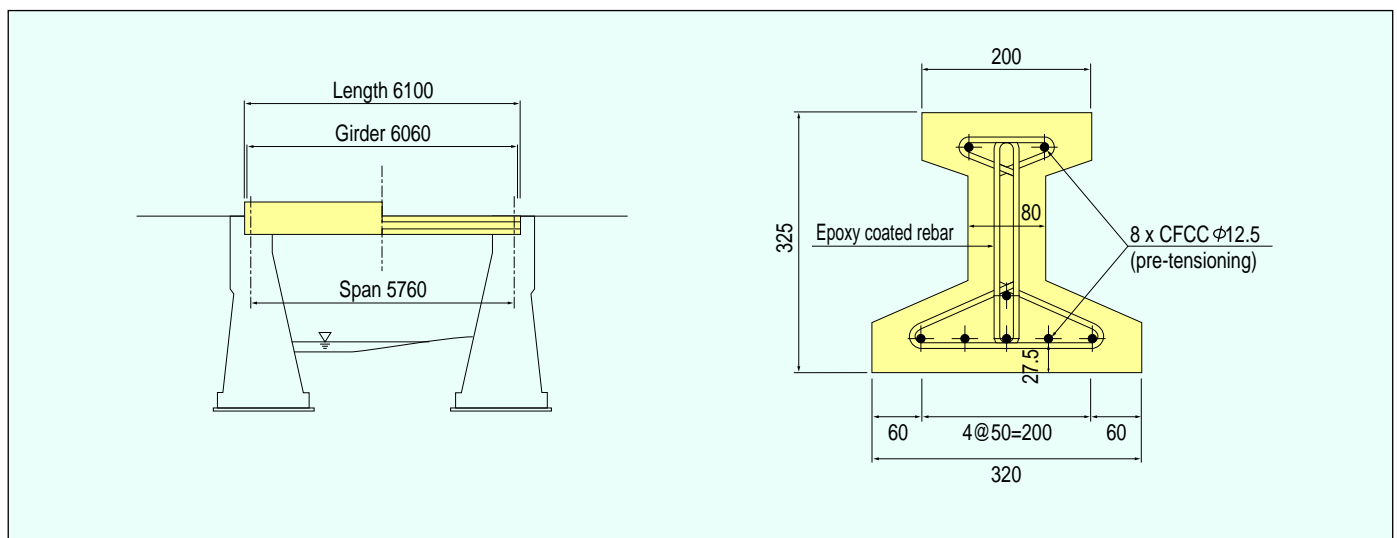
Shinmiya Bridge (world's first PC bridge using CFRP tendon)

The former RC bridge was damaged by seawater and replaced using PC main girders. This is the first bridge which CFRP tendons were used. To minimize the effect of seawater, the Ministry of Construction studied design and construction method of the bridge were studied from a technical point of view and CFCC was determined the most suitable material for use in all 24 main girders. The northwest area of Noto Peninsula, Ishikawa prefecture, is one of areas which most suffer from salt damage in Japan, but the bridge remains intact.

Client	Ishikawa prefecture
Location	Ishikawa prefecture
Dimension	Length 6.1m Width 7.0m Used for all 24 PC main girders.
Material	CFCC 1 x 7 ϕ 12.5
Application	Pre-tension PC main girders
Completed	October 1988



Drawing



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