

Bridge Cables

Free cantilever erection cables of the Hisho Bridge at the Tsukude Country Club

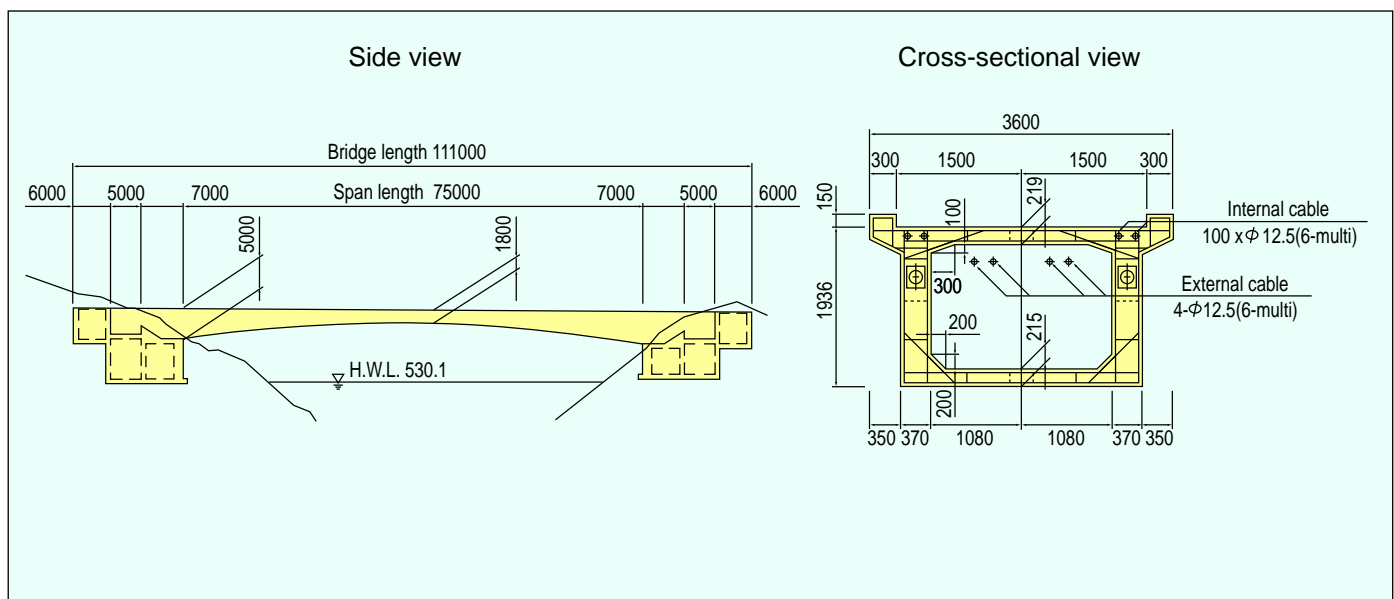
CFCC was used for all 108 tendons in both the internal and external cables. This is the first bridge in the world where continuous fiber tendons have been used as a cantilever cable (internal cable). The internal and external cables each consist of 6-multi CFCC elements in 12.5 mm diameter.

Client	Yuraku Turism
Location	Aichi prefecture
Dimension	1-span, center-hinged PC rigid frame bridge Length 111.0m Width 3.6m
Material	CFCC 1 x 7 ϕ 12.5
Application	Post-tensioning (main girder internal cable) Post-tensioning (main girder external cable)
Completed	May 1993



Cantilever construction

Drawing



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