# Cable Erection Plan of Ulsan Bridge

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## Summary

Ulsan bridge, crossing over Taewha river, is a single span suspension bridge of 1,150m span length and 1,960 MPa main cable. In order to decide cable erection method, PPWS method applied reciprocation system was chosen based on the comparative study about the economical advantage and constructional efficiency of previous erection cases. Due to limitations of site conditions, most of main cable erection equipment are planned to be placed on the surface of the gravity anchorage and only a few of sheaves for hauling rope turning are planned at the tunnel type anchorage where the slope is extremely steep. Buoys would be utilized to cross the hauling rope over the river and this method was drawn from study of the slow flow. In case of land crossing, because many obstacles such as roads and factories are scattered below, temporary bents for the rope fixing should be prepared along the passageway between pylon and anchorage. Overall cable erection planning was almost determined. And detail calculation will proceed until first half of next year.

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