

## “Severn Bridge” Main Cable Access System



The Severn Bridge engineers required a simple and effective access method to enable them to carry out main cable wrapping during initial cable dehumidifying works.

After consultation with the bridges engineers' and establishing the actual project requirements' ALPS designed an access system that used the hand strand cables as primary support, this leaving clear and unloaded the main bridge suspension cable for wrapping works.

An engineered travelling trolley system powered the 9M access platform system up the main cable at 9M/min' using a 1000Kg traction hoists protected by an over-speed secondary safety device.

The 9M working platform could be lowered to the deck at 9M/min' using the on-board Tirak hoists' & back-up Blocstop safety devises.

The traction winch used for hauling was situated some distance in front of the access system, this controlled by digitally encoded remote control system. Behind the hauling winch was placed a powered wire rope storage devise used to store up to 200M of winch wire as it passed through the traction winch.

Both Winch and Coiler were clamped to the main cable at any required location in front of the suspended working platform.

For manifold installation please see manifold access platform project file.



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