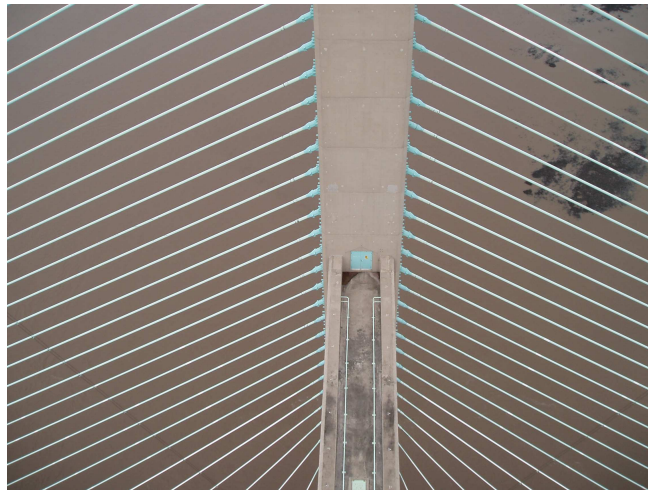


## Severn Bridge; Main Pylon Access System



The Second Severn Crossing is large cable stayed bridge.

The 4 pylons are concrete, access to the stay cable / pylon intersections was required for both construction and on-going maintenance.

A pair of engineered suspended access platforms was installed; these suspended from custom suspension davits permanently installed at the top of the pylon.

A pair of platforms worked together elevating to the required location under a stay cable / pylon intersection, here a connecting section was hinged down and joined to the adjacent suspended access platform giving the operatives a working area of approximately 1.22M x 5.5M under the cable socket.

To guide & restrain the access platforms at all times a special stainless steel wire rope guiding system was installed; the wire ropes restrained at ~15M intervals up the face of the pylon. The suspended access platforms attached via special trans-fasteners to a pair of vertical cables placed approximately 900mm apart ensuring the security of the suspended access platform at all times during its use.



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