

Project

Inspection of Motorway Bridge Soffits above Railway for Mott MacDonald who are the consultant for the client SWTRA (South Wales Trunk Road Agency)

Client Requirements

To carry out a Principal Inspection to the underside of a road bridge carrying the M4 main carriageway.

The client initially proposed using traditional forms of access i.e. MEWP and found there was no way possible to access the bridge due to its design and proximity to the railway.

Solution

After several site visits an access route was established from the hard shoulder and Rope Access was used to gain access to the abutment



Rope Access

A suitable 6-man Rope Access team was deployed to carry out the Principal Inspection of the bridge soffits. Access was gained using a mixture of wire strops and small beam clamps. Once a safe zone was established at the bearing shelf the team was split in two and traversed along each bay using ropes and beam clamps as a means of protection.

Due to the flexible nature of Rope Access Tekra facilitated and delivered this project. The use of Rope Access has avoided immense disruption to public services and the cost implications that would normally have been incurred.

Project extension

Following the results of the Principal Inspection Tekra will lead the necessary maintenance and repair.

