



M5 J23-24 and J24-25



Client	Highways England
Date	August 2018
Programme	4 weeks
Value	£465K
Role	Site investigation contractor
Works undertaken	Rotary drilling, dynamic sampling with follow-on dynamic probing, in-situ testing, laboratory testing, engineers' logs and factual report
Geology	Alluvium, River Terrace Gravels Mercia Mudstone & Blue Lias Formation

Highways standards to withstand heavy traffic use.

The GI comprised forty-five 30m deep boreholes and over thirty-five window samples to 5m depth with Super Heavy Dynamic Probes.



The Contract

A ground investigation was required to provide information for the design of MS4 traffic signs, two radars with cabling, cross carriageway ducts, and associated communication boxes along 19.5Km of motorway between Junctions 23 and 25 of the M5 in Somerset. The scheme formed part of new Driver Information and Queue Protection Initiatives.

The Challenge

To deliver geotechnical data from the intrusive investigation to the design team whilst ensuring the safety of all site personnel and members of the public. Sensitive buried services including utilities and COMMS were present in the carriageway and required identification and avoidance. Investigation locations required robust reinstatement to

The Solution

Fieldwork activities were programmed to ensure continued progression of the works within lane one traffic management at night.

The works were carried out using in-house drilling rigs and ancillary vehicles providing water support and welfare facilities.



Samples were returned to a dedicated logging facility and all data was provided in AGS format.

