

CASE HISTORY

Application: Televiewer and Caliper Gamma Survey

Technology: High Resolution Optical Televiewer, High Resolution Acoustic Televiewer, 3-Arm Caliper

Location: A38, Derby, United Kingdom

The A38 is an important route from Birmingham to Derby and through to the M1 at junction 28. Where it passes through Derby, long distance traffic interacts with a large volume of vehicles making local journeys. In order to solve these problems, Highways England committed to works to improve traffic flow, in this case at the A38/A52 Markeaton roundabout.

Requirement

Robertson Geo were contracted to conduct Televiewer and Caliper Gamma surveys on 5 x 30m deep x 146mm diameter boreholes on the A38 close to the Markeaton roundabout.

Equipment:

• 4x4 logging vehicles • High Resolution Optical Televiewer • High Resolution Acoustic Televiewer • 3-Arm Caliper (natural gamma)

Management:

A risk assessment was produced by Robertson Geo and a client induction was held with special emphasis on traffic management.

Operation:

The five boreholes were completed in four site visits with the first visit being undertaken at night when traffic volume was lower as the work was adjacent to a busy roundabout. Subsequent visits were all conducted in daytime. 4x4 vehicles were deployed throughout.

Challenges and Solutions:

Limited vehicular access – Areas of pavement and road were fenced/coned off to facilitate access

Roadside working – Client provided all traffic management

Working at night – Portable lighting deployed

Overall H & S – Risk assessments, inductions and full PPE worn

Coronavirus crisis – Social distancing required throughout, engineers to travel in separate vehicles

Outcome:

High quality data was obtained and presented to the client in a timely manner.

As this was the first project undertaken following coronavirus lockdown a specific additional risk assessment was undertaken to protect all parties from infection. Measures then put in place by RG Services included:

• Coronavirus risk assessment for every job • Providing masks and hand sanitation facilities in all vehicles • Travel to site in separate vehicles • Wear masks in all public places • Hand sanitise upon exit from public places • Maintain social distancing on site and in public places • Work from home and self-isolate whenever possible between jobs

