A66 Long Newton to Elton

Ground Investigation Works

CLIENT
National Highways

ENGINEER
Kier

VALUE
£30k

PROGRAMME
Contract Commencement:
December 2024
Overall Programme:
2 weeks

OUR TEAM
Ian Swain
Regional Manager
Paul Rodgers
Technical Manager

KEY DELIVERABLES

- Dynamic Sampling
- Trial Holes
- GPR
- Laboratory Testing
- AGS Reporting

As part of a local infrastructure renewals programme Soil Engineering Geoservices Limited (SEGL) were engaged under the National Highways Ground Investigation Framework to complete an investigation on the A66 at Long Newton, near Middlesborough. Improvements to street lighting require the installation of new ducting, some by directional drilling, and so a ground investigation was designed by Kier to define key site parameters.

Delivered on night shifts to minimise disruption on the busy arterial route, the works were undertaken on verges and in the central reservation under traffic management designed and programmed collaboratively between the project stakeholders to maximise productivity. A total of thirteen locations were drilled across the project, following PAS128 surveys to confirm services clearances. Test holes penetrated the underlying boulder clay by up to 6m, providing samples for logging and testing.

With samples logged onsite, subsamples were then shipped to our laboratory for a suite of geotechnical tests, whilst log information was reported daily to the designers, supporting proactive review of data during the site period. The Kier Engineering Team commented in a project review "*Reporting was good, and very accurate…Data delivery left us very happy*".

Reviewing the planning and delivery of the site work, which involved mutliple stakeholders and location redesign based on SEGL feedback, the Kier and National Highways teams agreed "*Buildup was good, everyone worked together effectively*".

SEGL are looking forward to returning to the scheme to complete a second phase of works on an adjacent area, building on this successful framework-based project delivery relationship.