



Infrastructure and Bridges

CTS have been carrying out the specialist inspections and investigations necessary to protect, maintain and upgrade the UK's infrastructure for over 30 years.

Working closely with major contractors, stakeholders, consultants, and government agencies, we provide technical staff and specialist equipment necessary to carry out this often complex and demanding work providing factual and interpretive reports.

Our teams of highly experienced engineers and technicians provide an extensive range of testing solutions, allowing us to investigate almost any component of any bridge or structure.

With a particular focus on client engagement, we can tailor our service, designing bespoke approaches for the most demanding environments.

The CTS Structures and Pavement team also provide our clients with a nationwide range of Building fabric surveys, Highway condition investigations and Utility reinstatement compliance sampling.

In addition, our in-house laboratories undertake a comprehensive range of materials testing, environmental analysis, and geotechnical and chemical analysis.

Our range of services include:

- Non-destructive concrete condition assessments (In accordance with CS464 and CS462) - half-cell potential, cover meter, resistivity, depth of carbonation
- Reinforcement scanning using Ferroskan and GPR methods
- Portable and trailer mounted core sampling of Concrete, masonry, and bridge deck carriageway
- Visual and defect assessment of structural elements
- Post tensioned investigation (In accordance with CS465) and pre-stressed surveys
- Specification and Works brief assistance
- Ultrasonic thickness and weld testing
- Chemical and fire damage surveys
- Sampling concrete, masonry sampling, steel, paint, asbestos and timber materials sampling for laboratory analysis
- Bridge Half joints Special inspection
- Bearing inspection Rebound hammer survey
- Pull-off and pull-out materials testing
- Crack surveys and monitoring
- Deck waterproofing bond strength
- Topographic and Ground Penetrating Ground (GPR) survey
- Confined space, MEWP, pontoon, mobile scaffold towers and roped access

