BRIDGE & TUNNEL REFURBISHMENT







- condition surveys
- concrete & masonry repairs
 - structural strengthening

- waterproof membranes
 - corrosion control
 - bearing replacement

CRL IS A SPECIALIST contractor for

the inspection and repair of bridges and tunnels. We have been established since 1955 and have a network of six regional offices in the UK providing a comprehensive refurbishment service.

CRL Surveys are UKAS Accredited to undertake the initial condition surveys to identify the nature and extent of any structural deterioration. This allows us to then provide professional and informed advice on how to repair the defects in a cost effective and sustainable manner.

We are a multi-award winning company, renowned for providing professional, innovative engineering solutions.

- Condition surveys & investigations
- Concrete & masonry repairs
- FRP composite strengthening
- Waterproof membranes
- Bridge bearing replacement
- Corrosion control systems
- Resin Injection
- Grouting & guniting
- Specialist coatings
- Bridge deck joints





MANY HIGHWAY AND RAIL structures

suffer from deterioration of the concrete due to corrosion of the steel reinforcement which is initiated by high chloride ion levels in the concrete

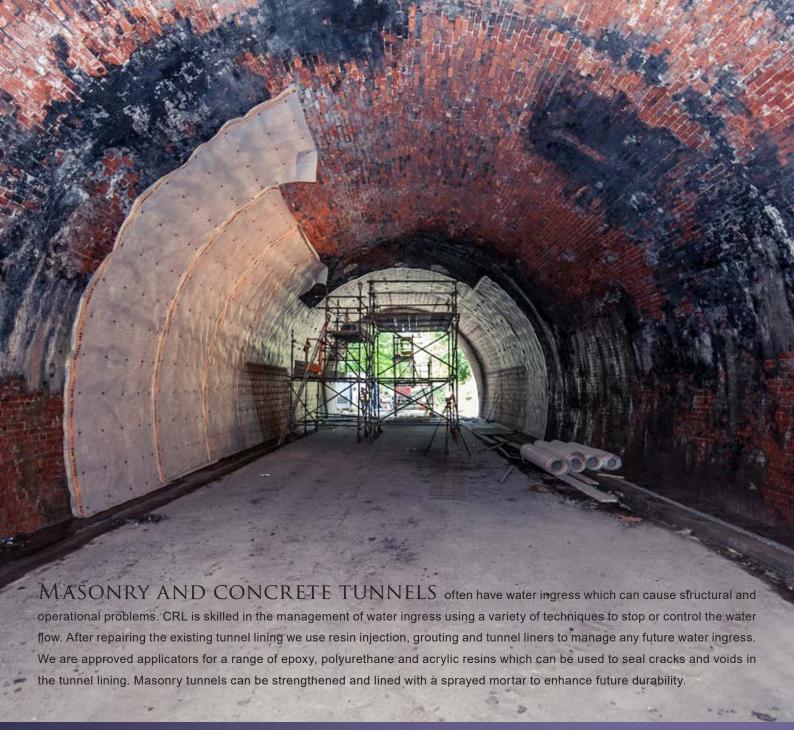
from de-icing salts. Repairing the defective areas of

concrete will initiate further steel reinforcement corrosion

CONCRETE & MASONRY REPAIR

adjacent to the repair, which is called the incipient anode

effect, unless a corrosion control system is used. CRL is able to repair the concrete with minimal disruption to traffic and design and install corrosion control systems such as cathodic protection to enhance durability in accordance with BS EN 1504 and BS EN ISO 12696.





STRUCTURAL STRENGTHENING is often

required to accommodate increased loading requirements or structural deficiencies. CRL have been using fibre reinforced polymer (FRP)



composites since 1996 to strengthen steel,

concrete and cast iron. We are able to design, supply

concrete and cast iron. We are able to design, supply WORKING WITH FRP SINCE 1996

and install both plate and wrap systems using carbon

or aramid fibres in accordance with the Concrete Society Technical Reports TR55 and TR57.

These materials are lightweight, quick to install and durable providing a cost effective and sustainable solution for structural strengthening.

Amey

Balfour Beatty

Bristol City Council

Derbyshire County Council

Devon County Council

East Sussex Highways

Edinburgh City Council

Essex County Council

Galliford Try

Halton Borough Council

Henry Boot

Highland Council

Highways England

Kier Highways

London Underground

Moray Council

Network Rail

Nexus Rail

North Lanarkshire Council

North Yorkshire County Council

Reading Borough Council

Skanska

Southampton City Council

Transport Scotland

Welsh Assembly Government

Weymouth & Portland Borough Council

www.concrete-repairs.co.uk



LONDON & SOUTH EAST

Cathite House 23a Willow Lane Mitcham, Surrey CR4 4TU

020 8288 4848

london@crl.eu.com

SCOTLAND

Cathite House

31 Winchester Avenue

Denny Falkirk FK6 6QE 01324 821 400 falkirk@crl.eu.com

NORTH EAST & MIDLANDS

Portland House Britannia Road Chesterfield S40 2TZ 01246 544 900

chesterfield@crl.eu.com

NORTH WEST & NORTH WALES

Bridgewater House Old Coach Road Runcorn Cheshire

WA7 1QT 01928 567070 runcorn@crl.eu.com

SOUTH WEST & SOUTH WALES

The Old Boiler House **Burnett Business Park** Gypsy Lane, Keynsham Bristol, BS31 2ED 0117 986 8088 bristol@crl.eu.com

KENILWORTH (CRL Surveys)

No.2, The Stables 46 Castle Hill Kenilworth Warwickshire CV8 1NB 01926 515 430 kenilworth@crlsurveys.co.uk AUSTRALIA

Cathite House 19 Venture Drive Sunshine West Vic 3020. Australia +61 3 9315 2807 contactus@crl-aus.com

CRL Emirates P.O. Box 72568 Abu Dhabi

United Arab Emirates +971 2 6736245 mail@crlemirates.ae