

## Repair Examples



Preparation of an original scarfed beam end. The beam was subsequently reconstructed into the web of the new steel beam



Investigation revealed that an original beam had totally failed and had been supported on steel prior to boxing in by a previous owner. The beam was repaired in-situ and the steel support removed



An original roof truss had rotted and the roof had spread. The foot of the truss was completely reconstructed in resin and provided the connection point for a new tie bar to stop the spread

# TRAC

Structural Ltd



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23 Belvoir Road, St Andrews  
Bristol BS6 5DQ

Tel: 0117 924 0224 Fax 0117 924 8574

email: [info@trac.demon.co.uk](mailto:info@trac.demon.co.uk)

[www.trac-structural.co.uk](http://www.trac-structural.co.uk)



## Structural Timber Repairs



## Brunel Lodging House Former Swindon Railway Museum

The end of the timber Bressumer has partially rotted and the movement of the masonry around the timber is clearly evident.

An in-situ repair was carried out by TRAC Structural Ltd in November 2008.

The masonry was first stabilised using the **Helifix System** of reinforcement.

With the load removed from the failed section of the Bressumer, an in-situ Rotafix System repair was carried out



## Structural Timber Repairs

The Rotafix System provides a range of solutions to carry out the in-situ repair of structural timber members.

- Joists and Lintels
- Tie-Beams
- Rafters
- Bressumers
- Wall Plates
- Posts
- Wind Turbine Blades
- Glulam Beams
- Lock Gates

Options include cutting out rotten timber and replacing this with reinforced resin or by attaching new sections of timber.

The systems may also be used to increase the strength of existing overloaded structural timbers by addition of reinforcing bars.

## Resistograph Investigation

Resistograph examination provides a print out showing the location of damage to the timber prior to works being carried out

