



DYER & BUTLER

Case Study

Tytherington Bridge Deck Replacement



THE SUCCESS OF THIS PROJECT WAS DUE TO US OVERCOMING ACCESS DIFFICULTIES IN A REMOTE LOCATION



Client: Network Rail

Duration: May 2007 - December 2007

Location: Tytherington, Wiltshire

Form of Contract: ICE 6th Edition

Value: £616k

Civil Engineering and Building

CASE STUDY

TYTHERINGTON

- Tytherington Road bridge is a single span overline bridge carrying an unclassified public road over a two track non electrified railway. It is located between Salisbury and Warminster Stations adjacent to the disused Heytesbury railway station.
- The existing superstructure was constructed in 1896, and comprised of five riveted steel plate 'I' girders spanned with brick jack arches with steel plate parapets. The bridge deck was supported on brickwork abutments with brickwork wingwalls. Deterioration of this structure, in particular the steelwork, led to the bridge having an imposed width restriction and a reduced weight limit of 3 tonnes.
- Dyer & Butler was awarded the contract by Network Rail in May 2007 to reconstruct this bridge with a deck comprising precast concrete beams and an integral parapet and edge beam. The early award of the contract was necessary to enable sufficient lead-in times for construction of the precast beams and to arrange the 8 week road closure. This was planned to coincide with a 52 hr possession (prearranged by Network Rail) on the weekend of the 20th and 21st of October 2007. The road closure was utilised to prepare the site and structure so that in the company we could carry out the main works which included the demolition of the existing bridge deck and the installation of the new concrete bridge structure.

HEAD OFFICE

Mead House Station Road Nursling
Southampton SO16 0AH

Tel: 023 8074 2222

Fax: 023 8074 2200

enquiries@dyerandbutler.co.uk

www.dyerandbutler.co.uk

PLYMOUTH

Tel: 01364 646140

Fax: 01364 646149

enquiries.plymouth@dyerandbutler.co.uk

GATWICK

Tel: 01293 567153

Fax: 01293 569182

enquiries.gatwick@dyerandbutler.co.uk

HEATHROW

Tel: 020 8759 8634

Fax: 020 8759 1578

enquiries.heathrow@dyerandbutler.co.uk

STANSTED

Tel: 01279 682230

Fax: 01279 682231

enquiries.stansted@dyerandbutler.co.uk

SWANSEA

Tel: 01792 465937

Fax: 01792 466123

enquiries.swansea@dyerandbutler.co.uk



Multi-disciplinary teams ensure efficient planning and execution of the work.