



## Bridges – Arpley Junction Infill



### Project details:

Remedial works were required to the existing viaduct consisting of infilling below 2 brick rail arch viaduct structures to provide additional support.

Each arch was approximately 10m x 10m on plan x 6m in height.

Each arch void was infilled with a Lytag<sup>®</sup> lightweight aggregate concrete, then subsequently clad with facing brickwork. The concrete required as low a density as possible and was therefore made using lightweight coarse and fine Lytag<sup>®</sup> lightweight aggregate. The concrete was also specified as 30N/mm<sup>2</sup> at 24 hours. The lightweight aggregate concrete also contained an accelerating admixture.

### Project:

Arpley Junction – Warrington Tunnel infill

### Date:

2010

### Client:

Network Rail

### Main Contractor:

Birse Rail

### Sub-Contractor:

MPB Structures Ltd

### Readymix supplier:

Tarmac

