

MOORE CONCRETE

Holmes Chapel Viaduct, Cheshire, CW4 8AB

Year: 2016

Main Contractor: J. Murphy & Sons

Moore Concrete Project approx Value: £267k



We supplied precast viaduct units to J. Murphy & Sons Ltd, on behalf of Network Rail, to protect one of Cheshire's most well-known railway bridges.

Vital refurbishment to the Twemlow viaduct in Holmes Chapel was finished following 11 days of continuous work from the Murphy team to make the railway safer and more reliable. As part of Network Rail's on-going railway upgrade plan, the Grade-II listed viaduct received a full makeover, including the removal of water stains on the walls, brickwork repairs and waterproofing.



Project Description:

Project consisted of 360nr precast viaduct units as part of the refurbishment of a Grade II listed architectural landmark in Cheshire. The site works was carried out during an 11 day closure of the rail line in February 2016. The chivs were manufactured and delivered to site from December 2015 to January 2016. Each precast unit was 3.0m wide by 3.3m long with a 0.845m upstand, with a mass of 4.0 tonnes.

The project was successfully completed and delivered to schedule to allow the on-site works to be completed as planned. Chris Wright, contracts manager for J. Murphy & Sons Limited, said: "With such a short timeframe to carry out a significant amount of work, this was always going to be a project that pushed us but the team rose to the challenge. We pulled out all the stops and our innovative approach to working meant that we handed back the line to Network Rail as planned."

These units were installed on top of the viaduct to create a waterproofed concrete trough. This fabrication retains the rail ballast and suppresses the penetration of water down into the refurbished structure.

