caunton
ENGINEERING

Mansfield Transport Interchange

Client
Nottinghamshire County Council

Contractor
Kier Marriott

Engineer
NCC Environment

Steel Tonnage
210 tonnes

In a complex and meticulously planned lifting operation that took place in the middle of the night, Caunton Engineering, working alongside the main contractor, Kier Central's site team, craned a 73 metres long footbridge into place at Mansfield's multi-million pound bus station.

The progress began two weeks prior with the delivery of the bridge to the site adjacent to Mansfield's railway station, in four sections. Day one saw the assembly of two of these sections, one weighing in at 18 tonnes and the other at 12 tonnes, which were bolted together to form one-half of the footbridge. This process was repeated the following day to assemble the second half of the structure. In total the 73 metres long link bridge weighed over 60 tonnes.

Due to its position between the first section of the bridge and the bus station, both now being fixed point, lifting the second half of the bridge into place was the most challenging aspect of the operation – the team had to get it right first time with just a tiny margin for error. However, the meticulous preparation and expertise of the team paid dividends and the second place was lifted into place with perfect precision.

Mansfield's bus station, which was constructed by Kier for Nottinghamshire County Council, is situated less than 200 yards away from the market place and was an integral part of Mansfield's town regeneration plan. The newly erected footbridge formed an important link between the town's railway station and the new bus station, which steel framing is again by Cautnon. This benefits the five million passengers who used the old bus station each year and will encourage more people to travel by public transport.

Caunton are delighted to have been a contributor to this regeneration.

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