

M62 Junctions 25-30 Smart Motorway Scheme



TOTAL COST **COMPLETED** **DURATION**
£133M **2013** **2Y4M**

RESPONSIBLE BUSINESS



Sectors

- Transport, Roads

Project profile

- A Highways Agency national major projects framework to implement the Smart Motorway improvement scheme on the existing road network.

Client

- Highways Agency

Stage

- Commissioning and handover

Highlights

- Work completed on time and within budget
- Completed 750,000 hours without a RIDDOR reportable incident
- Removed the need for road workers to cross the carriageways

Project Description

Road users in West Yorkshire now benefit from safer, more reliable and less congested journeys after work to upgrade the M62 (junctions 25 to 30) to a smart motorway was completed more than a month early and under budget.

The improvements to the M62 include the use of a range of smart technologies to reduce congestion and smooth the flow of traffic. During busy periods, operators at the regional control centre in Wakefield set overhead message signs to tell drivers they can use the hard shoulder as an extra lane and at what speed to drive (via variable mandatory speed limits). Lane closure information is also displayed as needed in the event of an incident or road works. When the hard shoulder is not open to traffic, it is illegal to use unless in an emergency.

The scheme was the first in the country to use remote controlled signs to ensure that workers did not have to cross the live carriageway during construction. This 'zero crossings' initiative saved more than 45,000 crossings of the carriageway and earned a national award for Health and Safety from the Chartered Institution of Highways and Transportation (CIHT) in June 2013.

Responsible business



People

Providing a safe working environment for everyone was our number one priority. We ensured that everyone understood the part they played in their own safety and that of their co-workers, as well as the wider community.

We also employed seven apprentices, along with vocational students on university scholarships and provided educational visits to the site for students. The provision of a bike shed encouraged cycling to work, while staff also participated in the Oxfam Trailtrekker Challenge (a 100 kilometre hike that must be completed by a team of four in 30 hours) to raise funds for the charity.

Location

- Yorkshire

Project key facts

The M62 carries 144,000 vehicles on average each day, with a peak flow of 162,000 vehicles. More than 2,500 people have worked on the scheme since construction began, clocking up a total of 1.9 million working hours between them. Work included installing 36 new gantries and refurbishing 16 existing ones, connecting 378 electronic signs and 322 hard shoulder monitoring cameras, laying 50 miles of fibre-optic cabling and constructing 23 emergency refuge areas.

Project contact

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Contact

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Morgan Sindall Construction & Infrastructure contributes to parent company half year results

CIHT Diversity and Inclusion Award for M5 Oldbury Viaduct

Morgan Sindall Infrastructure recognised for inspiring change

Related Links

Roads

Transport



Planet

We played our part in reducing energy consumption and emissions.

Eco tower lights and cabins were used to reduce gas oil requirements, while rainwater was harvested for the toilet systems. We improved our resource efficiency, reducing the total amount of waste sent to landfill and reusing lighting columns and crash barriers.



Profit

Our supply chain had a vital role to play in helping us meet our sustainability objectives, and we encouraged our suppliers to source and provide sustainable materials.

We provided sustainable employment opportunities based on local communities and schemes to recruit and train people. We were awarded the Considerate Constructors Scheme Silver award in May 2013 which recognised our consideration for the local community. Activities included letter drops, public exhibitions on the project, and donations to local good causes.

Challenges

Harsh winter conditions proved a challenge for the project, together with night working across approximately 1,000 night time closures.

Testimonials

"The improvements we have brought to the M62 demonstrate how a smart and efficient solution can deliver the improvements that road users need: more capacity and better management of traffic to reduce congestion and make journey times more reliable."

"We worked to upgrade over 15 miles of the motorway, and with 144,000 vehicles using this stretch every day, we had the challenge of ensuring that we kept traffic moving while making sure the construction timetable was met. This makes it all the more remarkable that our contractors have been able to finish earlier than planned."

David Pilsworth
Highways Agency project manager

Partners

Baker Hicks Joint venture partner – BAM Nuttall

Awards



Chartered
Institution of
Highways and
Transport Health
and Safety Award
2013

Considerate
Constructors
Scheme (CCS)
Silver Award 2013

Chartered
Institution of
Highways and
Transport Major
Project of the Year
Award 2014