

Facilitating the Smart Motorway revolution through essential traffic management

Tasked with delivering south west England's first Smart Motorway using the latest innovative technology, Balfour Beatty looked to install state of the art technology that could relay road information through responsive signs, monitor driving conditions to adjust speed limits and ensure the hard shoulder was available at busy times of the day

The Challenge

Balfour Beatty needed to ensure that not only did this upgrade improve journeys, increase traffic capacity and ensure road safety, but also protect their workforce and deliver time and cost efficiencies. In addition, the work site spanned multiple Highways England network management areas and local authorities requiring extensive collaboration and co-ordination with a range of stakeholders.



Balfour Beatty M4 Smart Motorways project (SMP) Highways

Our Solution

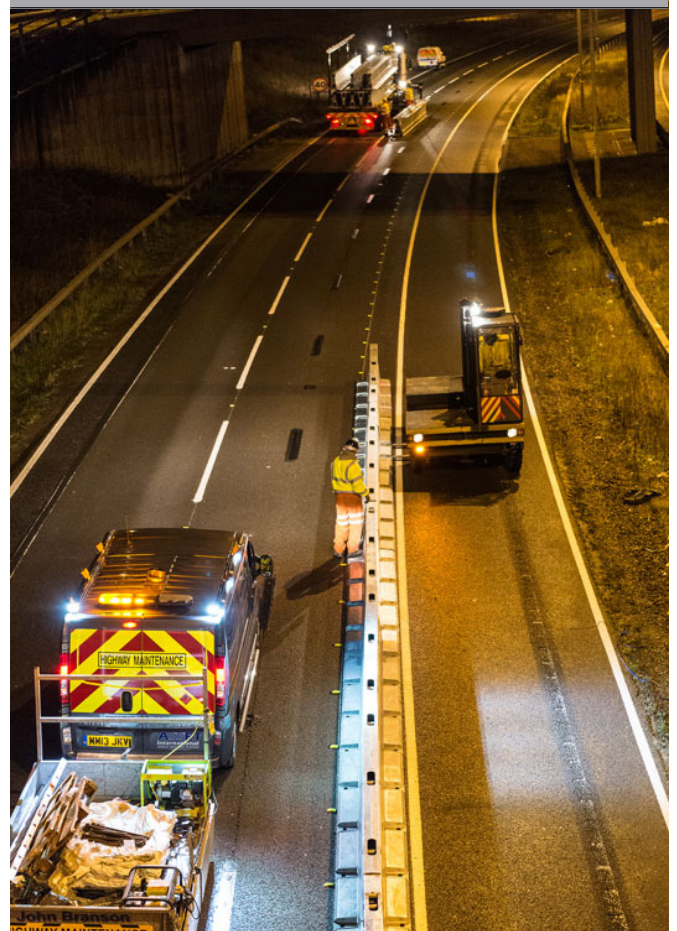
The professional services teams at Chevron TM was commissioned to provide a temporary traffic management solution that would accelerate the works while reducing costs and ensuring the safety of the public and workforce present on the site. Each phase of the works required design and planning taking into consideration existing traffic flows and aligning to regulatory requirements. Chevron TM provided a Network Management Co-ordinator assigned to co-ordinate all activities between the various stakeholders, act as first point of contact for all network queries relating to traffic management.

In addition to on-site expertise we provided:

- Several approaches to tackle any design challenges such as swept path analysis to address navigational issues at junctions or with lane widths
- Stage 2 and 3 road safety audits to identify potential risks with the proposed works
- Innovative solutions such as temporary junction alignments with lower design speed to accommodate narrow lanes
- Road restraint risk assessments (RRRAP)
- Recommendations on how to help heavy goods vehicles or bus routes navigate the works

By utilizing a dedicated on-site resource coupled with a flexible design approach that incorporated innovative solutions meant that the works could continue as planned, without delays, and able to meet projected costs and deadlines.

Chevron TM is the UK's leading independent traffic management company, with the capacity to manage national projects at a local level.



About the client

Balfour Beatty plc is a multinational infrastructure group based in the United Kingdom with capabilities in construction services, support services and infrastructure investments.

Balfour Beatty