

Buckinghamshire Junctions Improvements Scheme

Project Profile

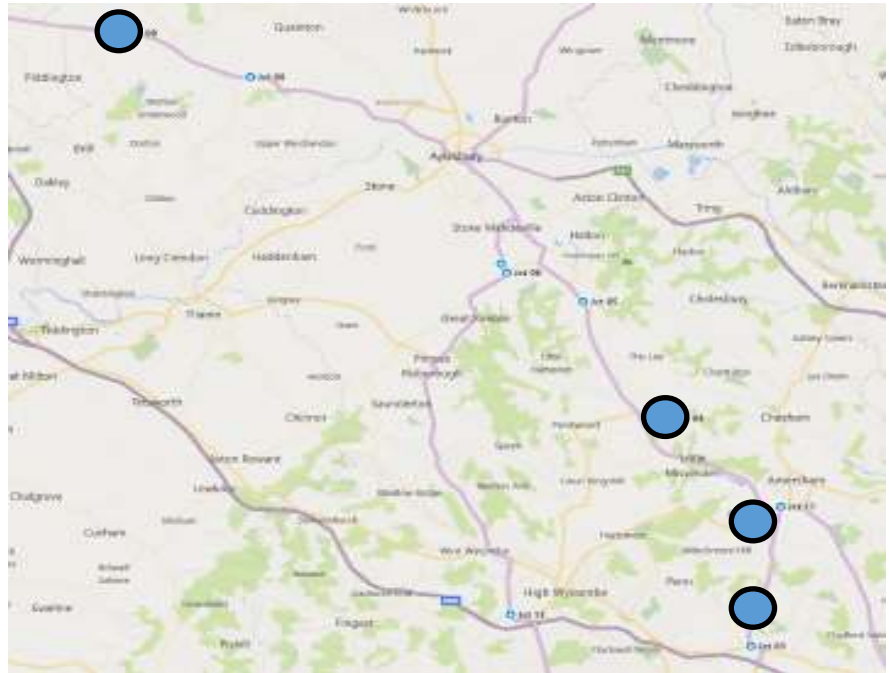
Client: HS2/Fusion JV

Designers: Pell Frischmann
& Stantec

Date: May 2020 - July 2020

Value: £1.7m

This scheme was carried out to complete highway improvement and widening works at various junctions throughout Buckinghamshire to enable access for construction vehicles, and plant for HS2 main works.



In November 2019 Forkers Ltd were appointed to assist Fusion JV via an Early Contractor Involvement (ECI) order to produce pre-construction documentation including: consents applications, construction logistics plan health & safety plan, environmental and quality plans. Works were due to start on site on 30th March 2020 but were delayed due to coronavirus until 4th May 2020. Early engagement by Fusion JV allowed us to become integral to the planning and successful delivery of the project.

We resourced a Project Manager and two site agents to manage site operations and works programming, all of whom were based on site throughout construction, co-located with the Fusion Project Manager and site engineers. Working from a small compound in Amersham, 4no. Junction improvement schemes were delivered within the 9 week programme, inclusive of site set up and demobilisation. The works involved at each junction are as follows:



Junction 1 - Altering an existing 'T' junction on the outskirts of Amersham to a signalised junction which included:

- Majority of the works were carried out at night within a road closure with an extensive diversion route in place.
- De-vegetation works.
- Central reserve alterations works – kerbing, gully relocation and surfacing works.
- Splitter island alterations works – kerbing and surfacing works.
- Carriageway construction including narrow widening and full road construction.
- Ducting & chambers for traffic signals including NAL sockets and traffic signals within verge, footpath and highway.
- Installation of detector loops in the carriageway with associated chambers and ducting.
- Cabling & traffic signal commissioning.
- Planing and resurfacing.
- Anti skid surfacing, road markings and studs,
- Street lighting relocation,
- Modification of existing street signs and installation of new street signs

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(cont'd)

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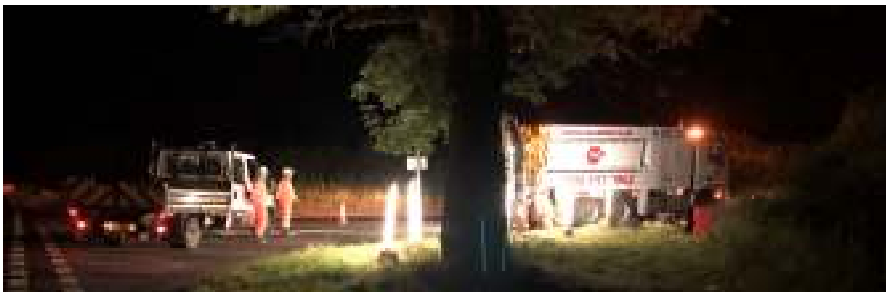
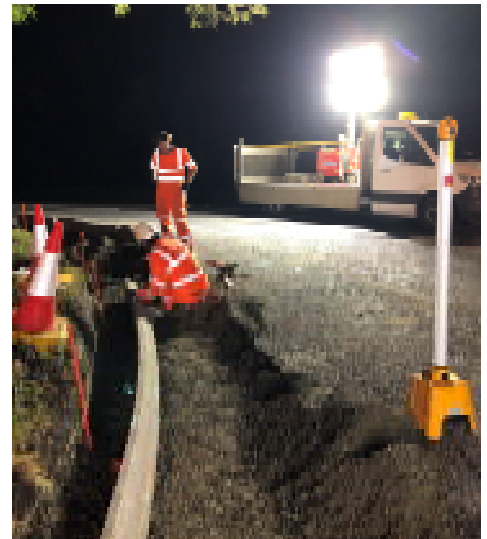
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Junctions 2 and 4 - Amending the layouts of an existing staggered cross road in Beaconsfield (Junction 2) and an existing 'T' junction near Great Missenden (Junction 4) comprising the following:

- De-vegetation works.
- Installing traffic signs and cleaning existing traffic signs.
- Relocating illuminated traffic signs.
- Hydro blasting to remove existing road markings.
- Installation of new road markings and studs.
- Gully cleaning.



Junction 9 - Improvements to an existing 'T' junction on the A41 near Waddesdon involving:

- De-vegetation works.
- Kerbing, planing and re-surfacing.
- Carriageway construction to the narrow widening detail.
- Hydro-blasting to remove existing lining and installation of new road markings & studs.
- Installation of new traffic signs and anti-skid surfacing.



All works were required to be completed off-peak/at night at the request of Buckinghamshire County Council. By their very nature the schemes were high public-facing, on a project which is very unpopular amongst locals however using our specialist supply chain partners such as Amberon TM, VacEx UK, Toppesfield surfacing and Riggotts Lining, the works were executed to programme and budget with zero complaints, incidents and defects.

