

[Press release: Innovative technique to install two bridges in one weekend on A14 upgrade](#)

How do you build two 1,000 tonne bridges over a very busy road while (nearly) keeping the road open throughout? You build them at the side of the road and wheel them into place at the end!

This is exactly what the A14 Cambridge to Huntingdon upgrade team has been doing over the past few months. They have built four abutments to support the new bridges as well as two bridge decks at the side of the live carriageway, and are now ready to wheel the bridge decks, each measuring 44 metres, into place on top of the abutments.

Now the team has released an engineering video to show exactly how they plan to tackle the challenge – and it involves a very big, remote controlled platform on wheels.

[Animation – Bar Hill junction bridge replacement September 2018](#)

The new bridges, which are being built as part of the £1.5 billion major improvement scheme and will be located at Bar Hill, will be installed during the weekend of 14 September. They will form a new, improved Bar Hill junction which will connect the A14 to the future local access road between Cambridge and Huntingdon, as well as to the existing local road between Bar Hill and Longstanton (B1050).

David Bray, project director for the A14 Cambridge to Huntingdon upgrade at Highways England, said:

Redesigning and building the Bar Hill junction was identified from the start of the project as one of the main challenges we would have to tackle. I am delighted that we've found a way to build the two bridges while keeping the A14 open as much as possible and disruption for people locally and road users to a minimum. And I am also excited that we're using such an innovative solution to our challenge – that's what makes my job so interesting.



The abutments for the two new bridges can be seen just south of the existing bridge and further down on the right of the road, the bridge decks are under construction

To carry out the bridge deck installation work safely, the A14 will need to be closed between Friday 14 September, 9pm, and Monday 17 September, 6am.

During the closure, clearly signed diversions will be in place as traffic not needing to enter or exit the A14 at Bar Hill will not be able to travel through the junction along the A14 in either direction.

Through traffic travelling eastbound toward Cambridge will be diverted to leave the A14 at Godmanchester (junction 24), follow the diversion via the A1198, and A428. Through traffic travelling westbound toward Huntingdon will follow the same diversion in reverse.

The team will also need to make some temporary changes to the slip road during the closure.

Traffic wishing to travel westbound from Bar Hill will be able to access the A14 towards Huntingdon but it won't be possible to travel eastbound on the A14 from Bar Hill. Traffic wishing to travel eastbound will be diverted via the westbound A14 to Godmanchester and join the through traffic diversion towards Cambridge.

The new bridges will ultimately replace the old bridge which will be demolished in 2019.

To help people find out more about this work and the closures, the A14

upgrade team will be available with their Mobile Visitor Centre at Tesco Bar Hill on Monday 3 September, 4pm to 8pm and Thursday 6 September, 4pm to 8pm.

There is no space to safely watch the work taking place, during the weekend but people can find out more about the work and closure details, and watch the work via a live stream online by visiting the A14 Cambridge to Huntingdon social media channels and website.

Highways England is upgrading a 21-mile stretch of the A14 between Cambridge and Huntingdon to three lanes in each direction including a brand new 17-mile bypass south of Huntingdon, with four lanes in each direction between Bar Hill and Girton. The project, which includes 34 bridges and main structures, will add additional capacity, boost the local and national economy and cut up to 20 minutes off journeys.

To check the latest traffic information for the A14 and other roads, listen to traffic bulletins on local and national radio stations, visit <http://www.trafficengland.com/> and follow Highways England on Twitter via @HighwaysEAST.

For the latest information about the A14 Cambridge to Huntingdon improvement scheme, visit <https://highwaysengland.co.uk/A14C2H> follow @A14C2H on Twitter and like the scheme Facebook page at <https://www.facebook.com/A14C2H/>.

General enquiries

Members of the public should contact the Highways England customer contact centre on 0300 123 5000.

Media enquiries

Journalists should contact the Highways England press office on 0844 693 1448 and use the menu to speak to the most appropriate press officer.