

A284 Lyminster Bypass (North) – Progress Update

Date: 30/06/23

This is the latest monthly newsletter updating you on progress made in the construction of the Lyminster Bypass. We hope you find it useful, but please contact us if there is anything you would like more information on or would like to give us any feedback.

North of the Ancient Hedgerow

Following on from last month's newsletter, in this area we have continued to carry out daily surveys of settlement and water pressure under the embankment. The embankment is the mound of raised soil which we built the new road on. In the Northern area this has been overfilled, or surcharged, to provide additional pressure on the existing soil below to accelerate any settlement.

This area used to be a 6m deep tidal channel centuries ago and has silted up over time with some rather poor quality silty soil. The monitoring we undertake gives us an insight into the water pressure in the silty soil and the amount of settlement at the top. Once these reach the previously set parameters the area has settled sufficiently, and we can continue working in the area.



Ancient Hedgerow to Bridleway

We have now completed the construction of the pond including the topsoiling and headwalls installation. The pond will store the rain that flows off the road and act as a buffer prior to not increase flooding in the area. Street light ducting has also been installed in this area. The electrical equipment used on the scheme (streetlighting, bollards, push buttons etc) are all fed using below ground ducting (plastic pipes). These are below the footpaths and as such installed prior to commencing the footpath. By placing the cables in ducting it makes maintenance and replacement a lot easier in the future.

We have dug out the alignment of the new road in this section to formation. Formation, the level to which we remove existing soil, is covered using a geotextile material and stone for the road placed

on top. This stone, or subbase, is placed and compacted in layers and will be topped off with asphalt. please see photo below.



Bridleway to Black Ditch

We are currently building the piers that hold the viaduct beams. The steel fixers are continuing to build up the piers, and when they are completed, the formwork is put up. Formwork is the mould in which we pour the concrete. Once we have placed all the formwork and ensured it is correct the concrete can be poured using concrete pumps. we are currently undertaking one or two pours every week.

The placement of stone behind the northern abutment has been completed this month. This is to act as the base of the embankment which will eventually be built there.

We have completed the excavation of a swale that will run into Black Ditch. The swale is a ditch designed to take the rainwater runoff from the road. It has a series of dams/weirs to slow the water down to ensure that the rainwater is slowed down and does not increase the risk of flooding. Over time this swale will look like a natural ditch.

We have continued to lay stone for an access track which will run parallel to the road when built. This provides access to the farmer and for maintenance of the bridge.





South of Black Ditch

In this section, we have been repairing a section of the bank of black ditch, which was worn away by animals grazing in the stream.

Local employment

It is extremely important to us that the majority of our workforce on this project is from the local area. Recruiting locally to help employment and the social value in the area, is key to Jackson Civil Engineering.

One of our engineers is an apprentice who is working with us alongside studying at Brighton University. She has been with Jackson for the last 2 years and is heading into her 3rd year of studying and lives in Sussex. We also provide valuable experience to two work placement students, one from Sussex and one from Surrey, to spend a year out of university and on site.

Next week, we have a student from a local school in the area, completing her work experience with Jackson Civil Engineering. She will be spending the week working closely with us, looking into different roles and gaining experience both on site and within the office at the Lyminster Bypass (North) project. This will give her the opportunity to have a better understanding of the industry before returning to school.

For further information about the scheme please visit the Lyminster Bypass North page on West Sussex County Council's website:

<https://www.westsussex.gov.uk/roads-and-travel/roadworks-and-projects/road-projects/lyminster-bypass-north/>

Should you have any specific scheme enquiries, please contact lyminsterbypass@jackson-civils.co.uk