

Lyminster Bypass – Monthly Progress Update No. 1

Date: 01/12/2022

Dear Stakeholder,

You may be aware the main construction works for Lyminster Bypass (North) commenced on Monday 24th October 2022, with the anticipated scheme completion expected in Autumn 2024. To keep stakeholders informed we will be circulating a monthly progress update.

Works completed in November:

- The contractor, Jackson Civil Engineering have completed their main site compound set up off Lyminster Road. This will be the base for the contractor throughout the duration of the scheme.
- We have continued the archaeology work north of the black ditch to the ancient hedgerow and hope to share more information on this next month.
- We started constructing the working platform that will be used during the construction of the viaduct (the bridge that will span the black ditch river)
- We have created a haul road to move equipment and materials from the site compound to the area in black ditch floodplain where the foundations of the bridge will be installed. Both the haul road and the working platform are “offline.” This means they are not on the road network. The majority of construction will be offline which minimises disruption on the network
- A small amount of tree clearance at the north end of the site will commence 28th November.

Works planned for December:

- The archaeology works are due to be completed by mid-December.
- Near to Brookfield stream, we are going to be removing topsoil and installing a drainage layer towards the end of December.
- We will continue constructing the working platform for the viaduct construction north and south of black ditch.
- Reinstating the subsoil after the strip map and search from the archaeology team will commence on completion of the archaeology

We also want to let you know that we will stop working over the Christmas and New Year period. Our last working day will be on Wednesday 21st December, and works will resume on Tuesday 3rd January.

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

Lyminster Bypass – Monthly Progress Update No. 2

Date: 21/12/2022

Dear Stakeholder,

Please find below an update on the current status of the A284 Lyminster Bypass works and planned works for the forthcoming month.

Works completed in December:

- The archaeology works on site were completed in December.
- Near to Brookfield stream, we started removing topsoil and we have begun installing a drainage layer.
- We continued constructing the working platform for the viaduct construction north and south of black ditch.
- Reinstating the subsoil after the strip map and search from the archaeology team will commence on completion of the archaeology

Works planned for next month:

- In January we will continue to install a drainage layer north of the hedgerow
- Install band drains to help with the ground improvements, this will be happening north of the hedgerow
- We will be installing the bridge foundation piles which include drilling a cylindrical concrete section through the soft ground make up into the chalk below. This will be taking place north and south of the Black Ditch.

We also want to let you know that we will stop the majority of our works over the Christmas and New Year period. Our last working day will be on Wednesday 21st December. Due to the recent weather, we will be working 27th and 28th December to finalise the preparation of the platform. We will resume our works on Tuesday 3rd January.

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Lyminster Bypass – Monthly Progress Update No. 3

Date: 31/01/23

Dear Stakeholder,

Please find below an update on the current status of the A284 Lyminster Bypass works and planned works for the forthcoming month.

Works completed in January:

- In January we have completed the drainage layer north of the hedgerow
- Installed band drains to help with the ground improvements, this has been happening north of the hedgerow
- We started installing the bridge foundation piles which include drilling a cylindrical concrete section through the soft ground make up into the chalk below. This will be taking place north and south of the Black Ditch
- High voltage trial holes have happened north of the hedgerow
- Installed piezometers that monitor the level of the ground water north of the hedge row

Works planned for next month:

- Installation of HV Diversion Ducting
- We will continue installing the bridge foundation piles over the black ditch and south of the black ditch

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A284 Lyminster Bypass (North) – Progress Update

Date: 1st March 2023

North of the Ancient Hedgerow

At the start of the month the ducts for the HV diversion were put in, as well as digging the two locations for where the new HV route will be connected to the existing cable. The new cable has since been pulled through the duct and we are waiting for it to be connected and energised.

Before we started bringing in the chalk, the period to get the piezometer (a ground pressure measuring device) baseline readings needed to be completed. This lasted for two weeks with no work taking place on the drainage layer. To allow us to have so many lorries of Class 1A fill to enter the band drain area we had to widen the existing access. From mid-February



Figure 1: New HV Cable



Figure 2: Class 1A Fill

we have been receiving deliveries of chalk and are continuing to build the material up in layers, this should be completed in two weeks (weather dependent) and will be followed by the placing of surcharge material.

Lastly, further ground investigation has been undertaken North of Brookfield stream. This will be to find out the stability and classification of the ground.

Ancient Hedgerow to Bridleway

Between the Ancient Hedgerow and bridleway, the only work that has taken place is turning over of stockpiles to allow the soil to dry out.

Bridleway to Black Ditch

Piling for the viaduct on the north side was completed on 13th February. Other than the piling, during this time the temporary bridge piles were able to be broken down and blinded. Once our piling completed, the works on the north side of the black ditch, the piling mat was re-levelled and rolled so that a clean working area was created once again. The north abutment and pier 10 have been dug down and a thin concrete base has been placed whilst the temporary bridge abutment was poured. The piles are currently being cropped to the correct level before they will be tested.

On Thursday the 23rd February, the temporary bridge was lifted into position and fixed to the abutments. Work is now being undertaken to build up the level of the piling mat so that it is flush with the bridge, and it can become usable for plant and pedestrians to cross.



Figure 3: North Abutment dug down and blinded.



Figure 4: Temporary Bridge over Black Ditch

South of Black ditch

In the area south of Black ditch piling for the viaduct has continued. Similarly to the north of Black ditch, work was done to create the temporary bridge abutment. Upcoming works will



include digging the piers down and start to crop the piles.



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A284 Lyminster Bypass (North) – Progress Update

Date: 4th April

North of the Ancient Hedgerow

In this area we are building a new section of road. We have had subbase continued to be delivered this month so that it can be pushed into suitable layers to create the road embankment at the start of the month. However, due to bad weather we had a slight delay, but work has restarted whilst there is a break in the forecast and the deliveries of the subbase should be completed by the end of the week.

Piezometer readings are continually monitored, these measure the water pressure at varying depths beneath the surface to show whether the soil is settling.

Upcoming works in this area will be to complete the embankment with the subbase then putting on the subsoil as surcharge. The area will then be left to settle for a period.



Ancient Hedgerow to Bridleway

At the start of the month when the weather was good, we were moving stockpiles of subsoil from the archaeological excavations at the bridleway down to the hedgerow. This was in to allow us to starting the drainage layer because the stockpiles of subsoil were covering the area that the road will be built. The material will not be wasted and is going to be used as surcharge across the road embankment, this means that the soil will be placed over the embankment to provide extra weight so that the clay beneath will settle faster.

Upcoming works in this area will include moving the subsoil across to the road embankment for surcharge and starting to put in drainage (manholes, pipes, gulleys etc.)



Bridleway to Black Ditch



All the piers North of Black Ditch has been dug to the correct levels and blinded. Blinding is non-structural concrete that is there to provide a clean and level working area. This week, steel fixers have arrived on site to start constructing the pile caps. A pile cap is a thick concrete mat that will evenly distribute the loads from the viaduct into the piles.

Upcoming works will be continuing to construct the pile caps and then putting up the shuttering to pour the concrete.

South of Black ditch

At the start of the month the piling was continuing from last month. This was completed on the 13th March with a couple of days for our subcontractor to demobilise and remove their rig and kit from site. Since then, we have been digging down onto the piers and blinding them.

Upcoming works in this area will be continuing to dig on the piers followed by blinding them and then cropping the piles to the correct level. This then allows the steel fixers to start building the pile caps.





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