

Linton Bridge - Update 31 October 2016

Why is the bridge closed?

Linton Bridge has been closed to pedestrians and vehicles since 27 December 2015 due to flood damage. The south pier (bridge support in the river) has settled, causing the arches to crack and the carriageway and parapets to settle.

What is happening now?

A complex temporary arch support system is currently being installed which will enable the bridge to be safely accessed and repaired.

A short video showing how this is being installed can be viewed at:

<http://www.leeds.gov.uk/residents/Pages/Linton-Bridge.aspx>

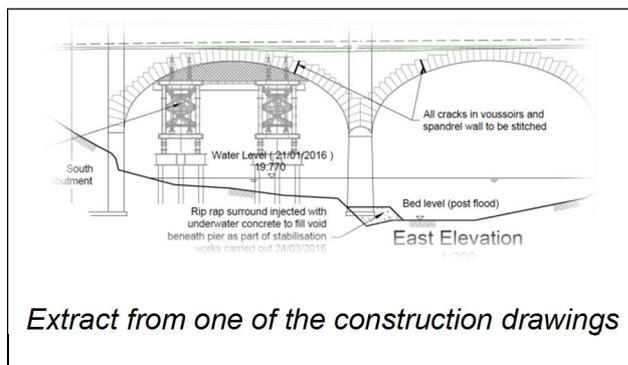


The first section of the support system being placed on the temporary piles

Since our last update, all of the temporary steel tubular piles filled with concrete have been installed into the river bed on either side of the bridge. These will support the steel frame (already partly installed as shown in the photographs below) which will in turn support the damaged southern arch.



Upstream and downstream views of support system bases



Extract from one of the construction drawings

Before Christmas we plan to:

- Complete the installation of the south arch support system
- Stitch repair the cracks in the arches
- Inject grout into the ground beneath the south pier

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What will happen after Christmas?

After the stabilisation phase, the bridge will then be robust enough to carry the construction equipment needed to repair the bridge.

The stages in the repair will be:

- Install 52 piles (13 through each of the 4 supports) into the underlying rock. *These will be hidden inside the bridge. They will renew and improve the bridge's structural strength, making it able to withstand future flood events such as that caused by Storm Eva.*
- Excavate the road construction materials to reveal the top of the arches. *This will be done very carefully to preserve this Grade 2 listed structure.*
- Cast reinforced concrete slabs over the arches. *These will be integrated with the 52 piles mentioned above. They will also be hidden from view within the bridge.*
- Re-connect / reposition services through the bridge. *Water, electricity, gas, and communications.*
- Remove the temporary support and temporary piles. *The piles will be cut off below the river bed level and the river bed will be reinstated to its original profile.*
- Rebuild the stone parapets. *This will remove the depression around the south pier, reinstating the original straight profile.*
- Roadworks. *Kerbs, footway and carriageway construction and road markings.*

Free Shuttle Bus

A free shuttle bus service between Linton and Collingham remains in operation, running between 7am and 7pm Monday to Saturday.

In addition to this, on Friday and Saturday evenings only, the free service runs between The Windmill Inn and Collingham.

Updated timetables and bus information can be seen at the following link:

<http://www.wymetro.com/travelnews/busalerts/Linton-Bridge/>

Next update

We plan to release our next update in mid-December.

Thank you in anticipation of your patience.

Leeds City Council

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If you want to be on a contact list for further updates by email, please contact lintonbridge@leeds.gov.uk