

A1101 Welney Wash Road Demountable Flood Barrier

When the Washes is flooded the Environment Agency Flood Incident team will advise the Norfolk County Council highways team of the depth of water in the river and they will then will decide when to close the (A1101) Welney Wash Road.

When the water level rises to a higher, predetermined level, we need to build a temporary flood barrier across the road to stop the water spilling into Welney village. The last time we created such a barrier was in the winter 2012/13. We currently use 1-tonne sandbags to do this. This is costly in terms of labour and the waste it produces. It takes time and resources to obtain, transport and install the sandbags.

As part of the bank raising work we are doing to comply with the Reservoirs Act, we need to provide a more robust barrier on the Welney Wash Road where it intersects the Middle Level Barrier Bank. We have sourced a demountable barrier option that will provide the robust flood protection solution and will be bespoke to Welney.

We will build a short concrete support wall on each side of the road to connect the temporary barrier to. We will also build a concrete slab across the road to attach the barrier to while it's in use. To do this work we will need to close the road for approximately 5 weeks. We have submitted our application for the road closure to Norfolk County Council. These are the key dates we have put in our application to Norfolk County Council.

Work start date: **13/06/2022**

- **13/06/2022 to 19/07/2022**
- 2-way traffic lights
- **20/07/2022 to 25/08/2022**
- Full road closure
- **26/08/2022 to 16/09/2022** - 2-way traffic lights for footpath reinstatement works

During construction there will not be any pedestrian, fishing or vehicular access to the Middle Level Barrier Bank. Please see our diversion routes here: [citizen space](#)



To view Flood Control International video, [click here](#).

Welney Demountable Flood Barrier Works 2022

In order to build the flood barrier's concrete foundations and walls, we will need to close the road for approximately 5-6 weeks. We held an online consultation between March and September 2020 to ask stakeholders and communities of the Ouse Washes their views on when would be the best time to close the road. The results of this survey showed that the preferred working period is during the school summer holidays, in the period June, July and August.

In order to fit in with the revised construction programme, the demountable flood barrier will be constructed in 2022, once all the bank raising work has been completed.

Ouse Washes S10 Works - Welney Barrier current construction programme

Month 1			Month 2				Month 3				Month 4		
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
2 Way Lights					Road Closure						2 Way Lights		
Lower Flood Walls			Foundation Slab							Welmore Side Stub Wall			
Upper Flood Walls				Road Planing and Excavation		Pour Plinth and Curing			Railway Side Stub Wall				
									Rolling Slab Concrete Pour & curing		Trial Deploy		
										Kerbs and Surfacing to Road			

Welney Demountable Flood Barrier Works 2022

The Welney Barrier foundation, walls and fittings will take approximately 14 weeks to complete.

A full road closure will be required for 5-6 weeks. The closure is necessary due to the excavation depth and the number of services buried under the road.

We need to:

- Build the formwork/temporary mould
- Install the reinforcement.
- Cast the concrete and wait for it to set (which can take up to 28 days to reach strength).
- Reinststate the road surface and footpath.
- Before the road opens the team will conduct a training exercise and demonstration.

We will need all the available road space to do this. Works will be undertaken using temporary traffic lights before and after the road closure.



To view the Welney demountable flood barrier works FAQ, [click here](#).

To view Flood Control International video, [click here](#).