A120 to A133 Link Road: A133 Roundabout Construction Sequence



Due to the position of the new A133 roundabout, the roundabout construction will need to be phased to allow vehicles to continue to use the A133 throughout the construction phase.



This will be achieved through various 24/7 lane closure arrangements for a period of 9 months, with occasional weekend closures (either eastbound or westbound).

Concrete protection barriers will be in place to protect the workforce and separate both sides of the A33 at times. The speed limit will be reduced to 40mph during construction and to 50mph upon completion.



The **Traffic Management** will consist of:

- Lane closures throughout to maintain a single lane open to traffic in both directions
- Temporary reduction in lane widths to 3.25m
- Temporary reduction in speed limit to 40mph
- Closure of Tye Road and Allen's Farm Access Road (approx. Jan 2025)
- Closure of Turnip Lodge Lane (approx. Aug 2024) and closure of A133 central reserve turn-around points (approx. Aug 2024)
- Night closures only for utility crossings and concrete barrier install /removal
- Full closures (eastbound or westbound) for final surfacing & lining
- Re-routing of traffic round the new roundabout (once each side is completed)

The Construction and Traffic Management stages are:

- Stage 1: Construct temporary compound access north of the A133 - eastbound Lane 1 closed (inside lane)
- Stage 2: Central reservation surfacing, establish site compound – both Lane 2s closed (outside lanes)

- Stage 3: Construct North half of roundabout (offline), construct haul road to Allen's Farm, install new roundabout drainage towards outfall at Sixpenny Brook – eastbound Lane 1 closed (inside lane)
- Stage 4: Continue North half of roundabout.

 Complete key utility diversions and construct new footway via toucan crossing point Switch footway
- Stage 5: Connect North half of roundabout into the A133 – widen eastbound Lane 1 closure into centre reserve
- Stage 6: Relocate site access, complete North half of roundabout and construct south half of roundabout – eastbound traffic using North half of roundabout, westbound Lane 1 closed (inside lane). <u>Utility road</u> <u>crossings completed in Night closures.</u>
- Stage 7: Complete new central reservations and roundabout centre – both Lane 2s closed (outside lanes)
- Stage 8: Final surfacing and lining, remove traffic management, new roundabout in use – <u>full closures</u> <u>of eastbound then westbound lanes over</u> <u>weekends</u>

	7	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9
Stage 1	2w	_								
Stage 2	2w									
Stage 3	16w									
Stage 4	13w									
Stage 5	18w									
Stage 6	10w									
Stage 7	7w									
Stage 8	3w									

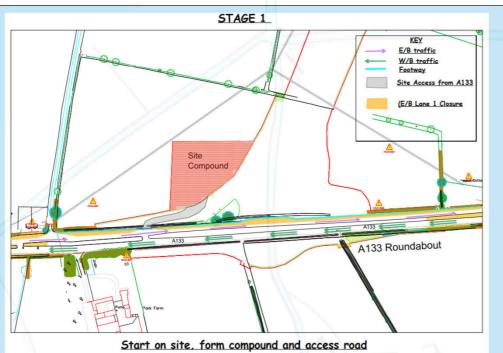
A120 to A133 Link Road: A133 Roundabout Construction Sequence



Stage 1: **Eastbound Lane** 1 closed (inside lane)

Construct temporary compound access north of the A133

Stage 2: Both lane 2s closed (outside lanes) Central reservation surfacing (to maximise lane closure works areas)





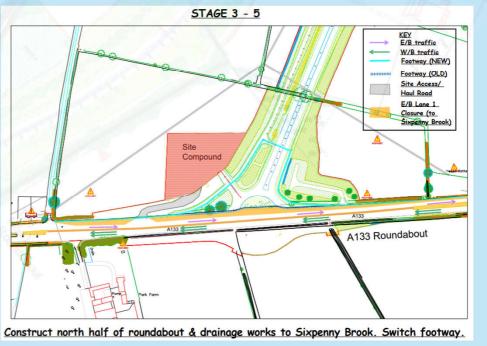
Stage 3: Eastbound Lane 1 closed (extended to Six Penny Brook) Works protection barriers installed, A133 roundabout drainage and outfall works constructed

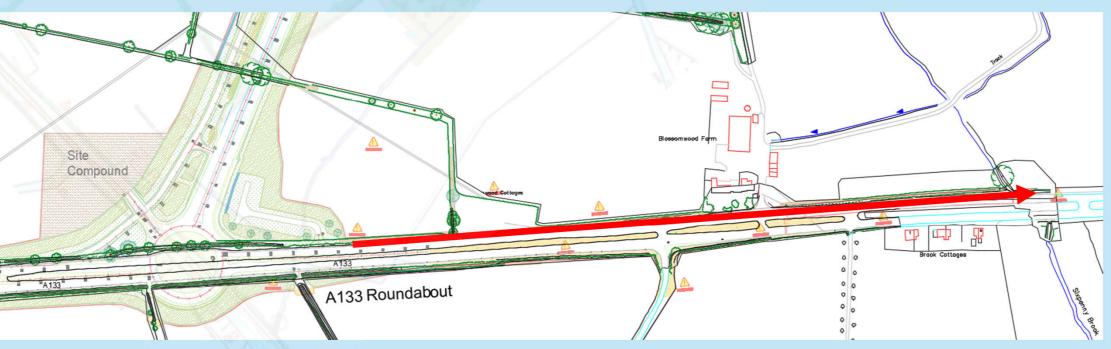
Stage 4: Eastbound Lane 1 closed

Construct northern part of Roundabout (offline). Construct new footway (routed through new toucan crossing point) – switch footway

Stage 5: Eastbound Lane 1 closed (widened to maximise work area)

Continue northern part of roundabout into Eastbound Lane 1





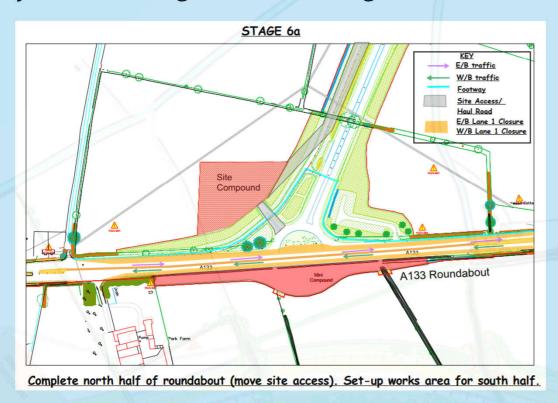
Six Penny Brook (drainage outfall) construct new drainage 500m east of new roundabout

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Stage 6a: Both Lane 1s closed (inside lanes)

Relocate site access and complete North half of roundabout. Set-up satellite compound for South half of roundabout. <u>Utility road crossings installed in Night closures.</u>

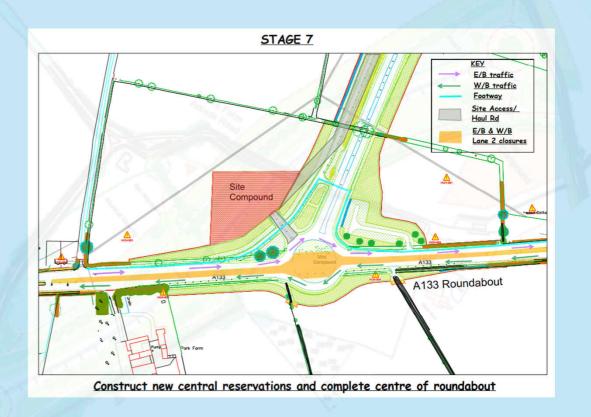


Stage 6b: Westbound Lane 1 closed (inside lane), Eastbound single lane using new roundabout layout Commence works to Southern part of roundabout. <u>Utility road</u> crossings installed in Night closures.



Stage 7: Both lane 2s closed (outside lanes)

Complete new central reservations and roundabout centre.



Stage 8: Full closures of Eastbound then Westbound lanes over weekends (Spring 2025)

Final surfacing and Lining . New roundabout in use

