



A316 Richmond – Manor Circus works 28 September 2023



Why are we doing the work?

- The railway bridge at A316 Manor Circus has suffered serious degradation in the last 5 years.
- The roundabout is situated on a bridge deck above the Overground and District railway line. Inspections on the structure highlighted that the bridge shows signs of water seepage, due to failed waterproofing on the topside of the structure, which has led to a deterioration of the bridge condition.
- The waterproofing membrane sits under the tarmac and on top of the deck to protect from any water (mainly rain). The membrane has a design life of about 25 years
- In 2014 TfL introduced some interim measures on the bridge to keep the bridge safe until it is refurbished, but we now need to undertake the repairs before it deteriorates further

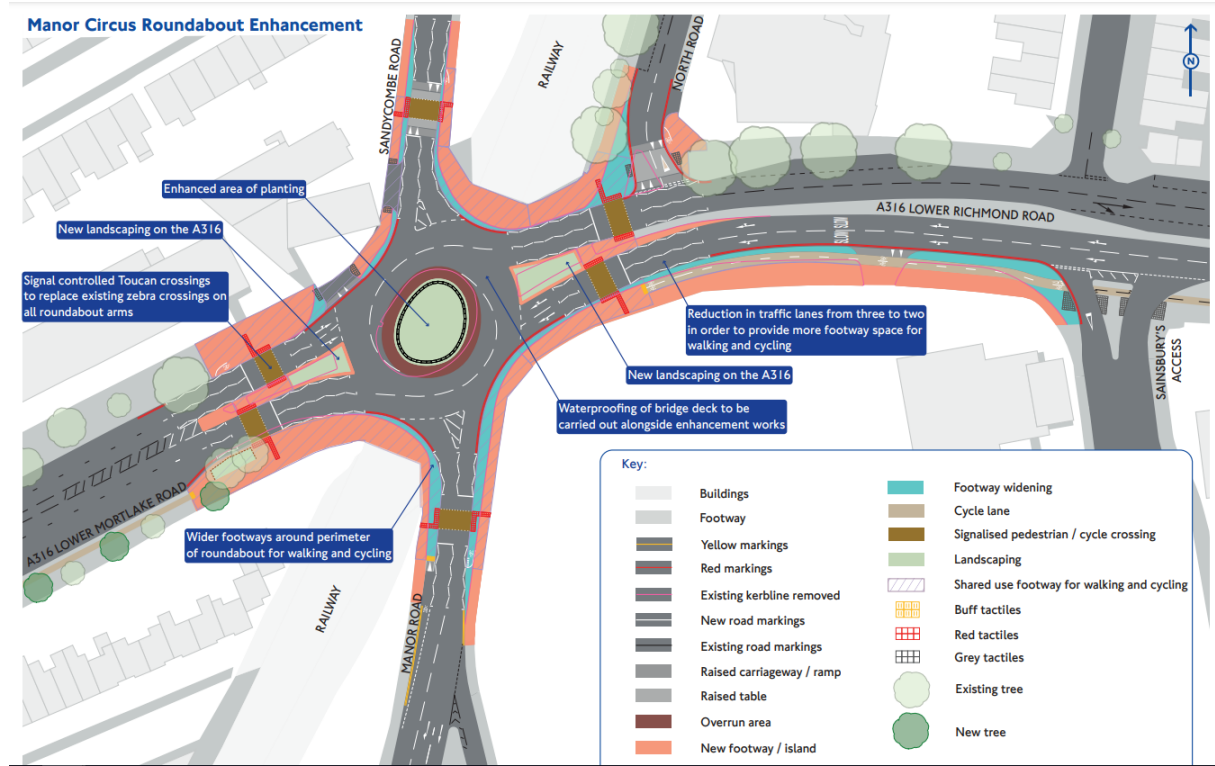


We are also delivering critical road safety improvements to the junction.

This project is expected to reduce the number of road collisions resulting in injury by over 50%.

Some of these works are being undertaken at the same time as the bridge deck works, scheduled to finish in mid-December.

From mid-December, the remaining works will not be as disruptive as the junction will be able to return to operating as a roundabout, allowing traffic to flow more normally.



We will deliver:

- Signalised pedestrian crossings on all four joining roads
- Wider footways with shared use throughout the junction
- Low-level planting in the centre of the roundabout to improve the aesthetics of the junction
- Other associated highway improvements



Why are there other works going on in the area?

- We work closely with Borough officers and works promoters to ensure we understand the impact of other works – what can be deferred, but also what can be brought forward and done concurrently
- Collaborative working with Cadent means they can do planned main replacement at the same time, meaning 35 fewer days of roadworks and less overall disruption
- Equally where works are assessed to have a greater cumulative impact we will look to defer those works to a time where the network can cope. As an example, TfL's Kew Bridge survey and investigation works.
- We also need to cope with safety critical works (e.g. A4), emergency works, and deal with things when they go wrong (e.g. over-run on A205)



Why are the works so impactful?

- To allow sufficient space to carry out the repairs on the bridge deck, the junction can no longer operate as a give-way roundabout, instead it has to operate as a junction.
- To manage and control both the traffic and pedestrian movements temporary traffic signals are being used.
- Due to the traffic management layout, there are notable distances from one traffic movement to another, and therefore long safety clearance periods when no traffic or pedestrians are moving.

When will this phase of works end?

- The current layout is expected to end by mid-December, when the bridge deck works will be completed, and we will be able to return to operating the junction as a roundabout.



Bus Network Planning

- Bus network still needs to provide vital connections despite the impact to the road network
- Bus specific interventions
 - Allowing more time in schedules
 - Cutting back services
 - Diversions
- Have to find the balance between service to the customer and deliverability due to network conditions
- Service control in real-time will also have an impact, particularly during times of most delay



How are we managing the road network?

- Initial layout agreed on basis of balancing work area with residents and road users – collaborative approach.
- We monitored via TfL Control Centre, as anticipated a high impact. Use of UTC temporary traffic signals and wider area signal strategies to mitigate impact.
- Closure of Sandycombe Road (southbound) developed - implemented from Friday 22nd September due to scale of impacts.
- Road closures are a last resort due to impacts on local access and wider area traffic reassignment
- Early indications show this has improved traffic conditions in the area – we have adjusted our wider area signal strategies and will continue to monitor



Next Steps

We will continue to listen to feedback from the council and local residents to determine if our mitigations are working and if further improvements to traffic conditions are required.

We will continue to update our website (www.tfl.gov.uk/manorcircus) to keep people up to date.

We apologise for the disruption that the scheme has caused so far but hope we have made clear the importance of these works

You can call us 24 hours a day on 0343 222 1234