

WATERLOO RD NORTHUMBERLAND

CLIENT: Northumberland County Council
INSTALLER: Rosehill Highways

PRODUCTS: Bespoke Extended Traffic Island

ISSUES

- The existing roundabout junction was not suitable for cyclists and lacked crossing points for pedestrians to navigate
- The road is on one of the main traffic routes into the town centre for local buses, deliveries, and general traffic so closing would be a last resort
- The existing roundabout splitter island needed to be replaced to suit a revised road layout

OBJECTIVES

- 1 Improve the existing roundabout junction with a focus on walking and cycling
- 2 Install a new island to meet the geometry of the narrowed road
- 3 Find a supplier to provide a bespoke island that matches the geometry of the pre cast concrete kerb design
- 4 Minimise disruption to traffic flows during the installation
- 5 Install the new island in the most time and cost effective manner



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CASE STUDY

Rosehill Highways

SOLUTION

1

Install a bespoke, surface-mounted island that meets the design geometry of the road

2

Carry out the installation in a relatively short time under minimal traffic management



3

Rosehill Highways' traffic islands consist of large, durable rubber sections which maximise stability and impact resistance while reducing future maintenance requirements

4

Each traffic island can be installed in less than a day, requiring limited lane closures and allowing continued traffic flow



"Construction of a traditional pre cast concrete kerbed island on Waterloo Road would have resulted in a road closure over several days due to the narrow configuration of the carriageway. A bespoke surface-mounted solution from Rosehill Highways was installed in a just one and a half hours under minimal traffic management with the road opened back up to all traffic flows immediately after the installation."

David Potter – Northumberland County Council

RESULTS

- The roundabout junction is now easier to navigate by bike or on foot
- Pedestrians are able to cross the road at the new dedicated crossing points provided as part of the overall scheme
- The new splitter island ensures traffic is directed accordingly at the amended roundabout arm



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