Clearview Intelligence

Client: Amey
Location: Borders General Hospital, Scotland
Application: Route Safety

Case Study

Route safety with traffic signals and VAS

Reducing accidents by combining traffic signals and Vehicle Activated Signs (VAS), while prioritising ambulances at Borders General Hospital

Background

The junction between Borders General Hospital and the Melrose Bypass (A6091), in Scotland has been an accident hotspot for the past decade. Each day, 11,400 road users travel this route, making this the busiest junction in the Boarders.

Hospital patients, staff and visitors have reported feeling that the junction is dangerous for years—and with good reason. In the five years from 2011 to 2016 there were six accidents resulting in injury and numerous minor collisions.

Amey and Clearview Intelligence have a close working relationship built on our shared commitment to improving road safety. The A6091 Borders General Hospital Junction Improvement scheme was no different. To enable us to meet a timescale set by the client, Transport Scotland, effective collaboration was required delivering an innovative solution to a dangerous junction. This close collaboration resulted in us producing a scheme, which, not only improves road safety, but reduces driver confusion and therefore danger. Furthermore, it was completed whilst the junction was open, keeping disruption to emergency services to a minimum during the construction works.

Solution

Two sections of the Dundee Greenways cycle network have benefited from the installation of enhanced night time delineation including the Tay Bridge Cycle path, where the path runs alongside Riverside Drive, and also the Ninewells Hospital cycle path that runs from the Hospital towards Balgay Park.

In excess of 130 SolarLite Intelligent road studs have been installed across the two locations and provide cyclists with clearer and more defined guidance of the path ahead for up to 900m.

These intelligent road studs utilise ‘green’ free solar energy to charge the studs during the daylight hours and automatically illuminate during the hours of darkness. The flush profile of the SolarLite stud being less than 4mm ensure that they are unobtrusive and bicycle wheel, walker and wheel chair friendly whilst being highly visible at night.

Key Benefits

- Significantly increased visibility and personal safety for cyclists, pedestrians and wheelchair users
- Increased number of cyclists using the pathway
- Promotes and encourages environmentally friendly travel options

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