

Route

Safety

Solutions



Clearview  
Intelligence

making journeys work



# Route safety solutions from Clearview Intelligence

**The most important thing on a journey is to be safe. We're helping to enhance safety in locations across the UK and around the world, from motorways to rural roads, to spiral roundabouts and staggered junctions.**

Even a minor incident can have a major impact on the road network. The resulting delays frustrate road users, and place extra strain on the surrounding network. It then costs the local authority dearly to clear the area and ensure the road is safe again. All of this can be avoided by actively addressing or mitigating the cause of these incidents.

Our route safety solutions have an excellent and award-winning track record for improving safety.

# Enhance safety where incidents are most likely to happen.

We apply extensive experience and state-of-the-art technology to solve route safety challenges, no matter the situation or road environment.

## Urban road safety

### An ever-changing challenge

The multitude of potential road users – from HGVs down to cyclists – makes urban road safety a complex and extremely varied field. Along any stretch of urban road, a user will encounter junctions, roundabouts, varying speed limits, cycle lanes and pedestrian crossing points, to name but a handful of the many common road considerations.

How to make users aware of dangers or increased risks poses an ever-changing challenge to road planners and road safety experts. Using only traditional warning signs or lane markings runs the risk of visual fatigue, known as inattention blindness, where users are so used to seeing the same signs that they start to ignore them.

More 'active' warning solutions (that can react to the situation and how the road is being used) provide a fresh visual input and greater visibility, increasing the impact of the warning message. Examples include road studs on spiral roundabouts that only illuminate on the green light to help keep traffic in their correct lanes, and variable message signs (VMS) that only illuminate when the road is in use.

Here at Clearview we understand that any new safety ideas need to be innovative and flexible to adapt to unique road conditions.



## Rural road safety

### Measures for better reaction times

While traffic volumes may theoretically be lower, the dangers of rural roads have just as much impact on lives affected and congestion. Indeed, ensuring safety on main routes through rural areas often demands similar speed compliance and vehicle detection measures as those required on urban thoroughfares.

Road delineation using LED studs in areas where there are sharp bends or dips, or where no street lighting is possible, gives users more time to react to upcoming road layouts. Identifying when vehicles are approaching or waiting at side roads can provide warning opportunities to oncoming traffic. Vehicle activated signs (VAS) make drivers aware of the current speed limit for their vehicle type, which can help to slow traffic flow and make busy stretches of rural roads much safer to use.

## Motorway and trunk road safety

### Empowering highways managers

The UK's motorways may only represent 2% of the road network by length, but they carry over a third of the nation's traffic. Road development and maintenance must be planned with exceptional care to ensure minimal disruption and safe driving.



When traffic starts to build up or behave abnormally, empowering highways managers with early intelligence can kickstart preventative action before a minor or major incident occurs. Using vehicle detection to control the injection of traffic onto motorways via ramp metering is essential to minimise both congestion and the risk of incidents.

Traffic flow data can also feed directly into existing Motorway Incident Detection and Automatic Signalling (MIDAS) control systems. When intelligence is acted upon promptly, traffic flows are smoothed, alternative routes can be offered and a change in phasing patterns can be instigated as traffic is injected into the network.

## Bringing it all together with Insight<sup>®</sup>

### Integrated data management software

No matter the road type, using road monitoring intelligence helps to prevent incidents, reduce congestion and increase predictability. Insight is Clearview Intelligence's integrated data management software, designed to support accurate and timely decision-making by ITS professionals. Insight comes with a suite of tools focused on optimising information delivery and the effective use of the road capacity. As we move towards a more autonomous future, Insight eases the burden of remote data collection, device management, data processing, reporting and analysis.

# Safety applications from Clearview Intelligence

## Speed compliance

- > Village gateways
- > Villages/town centres or built up areas
- > Bends and junctions

## Junction safety

- > Long vehicle detection
- > Turning movements
- > Slow moving vehicles
- > Queue detection

## Cross use

- > Gap detection/keep your distance
- > Lane discipline
- > Lane delineation
- > Direction of travel
- > Overtaking detection
- > Humpback bridges
- > Hidden dips
- > Retail park pedestrian crossings
- > Pedestrian/bicycle crossing on trunk roads
- > Speeding in work zones
- > Crawler lane end

## Safety products



SolarLite F Series  
Flush Road Studs



SolarLite S Series  
Surface Studs



IRS2 Hardwired  
Intelligent  
Road Studs



M100 Wireless  
Vehicle Detection  
System



M680 Vehicle  
Count and  
Classification

## Combined safety products

We recognise that no two solutions are the same, so we use our extensive experience to combine products and create the best safety solution for the situation. This may include a mix of vehicle detection with vehicle activated, or variable message signs linked to enhanced road delineation and speed monitoring.

**Share your challenge with us today**

Call +44 (0)1869 362 800 or email us [info@clearview-intelligence.com](mailto:info@clearview-intelligence.com)

### Bicester Head Office

A4 Telford Road  
Bicester  
OX26 4LD

+44 (0)1869 362 800  
[info@clearview-intelligence.com](mailto:info@clearview-intelligence.com)  
[www.clearview-intelligence.com](http://www.clearview-intelligence.com)

### Glasgow Office

291 Springhill Parkway  
The Approach - Ground Floor Pavilion 1  
G69 6GA

+44 (0)141 771 1091  
[info@clearview-intelligence.com](mailto:info@clearview-intelligence.com)  
[www.clearview-intelligence.com](http://www.clearview-intelligence.com)



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