Clearview Intelligence
making journeys work

Client: Mott Macdonald and Transport for London (TfL)
Location: London, United Kingdom
Application: Tunnel Lane Marking

Case Study
Blackwall Tunnel with Hardwired Road Studs

Intelligent Hardwired Road Studs installed to create contraflow at Blackwall Tunnel in Kent .

In 2010, Clearview Intelligence installed numerous Hardwired Bi-Directional Road Studs to create a contra-flow from the southern boar of the Blackwall Tunnel to the northern boar.

Background

The Blackwall Tunnel consists of two tunnel roads running underneath the River Thames in east London, linking the London Borough of Tower Hamlets with the Royal Borough of Greenwich, and part of the A102 road. The northern portal lies just south of the East India Dock Road (A13) in Blackwall, the southern entrances are just south of the O2 Arena in North Greenwich.

The Blackwall Tunnel has had numerous refurbishments over the years with the latest carried out to in October 2010. Transport for London (TfL) along with Mott McDonald decided that the essential safety works were needed to update the northbound side of the tunnel.

Solution

A contraflow system was put into place to enable one of the bores to be closed in case of an emergency or essential maintenance work.

A number of Cleaview Intelligence Hardwired Road Studs were put into place to direct traffic away from one bore into the other. When required, traffic is stopped before the tunnel entrance by traffic lights and the Hardwired Road Studs are switched to full brightness when the lights turn to green. This guides the traffic to the other bore. The southbound traffic is redirected via another route, as the complex road layouts around the surrounding area mean this provides a quicker diversion.

The use of our Intelligent Road Studs has improved the safe operation of the Blackwall tunnel by providing guidance and increasing visual reference points for drivers.

Key Benefits

- Quicker, smoother journeys
- Reduced congestion, driver frustration and collision potential
- Brighter, more clearly defined path of light guiding motorists to the correct tunnel
- Road studs provide full 360 degrees of illumination

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