

Dynamic Speed Sign



The Award-Winning Dynamic Speed Sign enables Motorway Projects to vary the temporary speed limit in response to changing conditions and operational requirements. This allows road users to benefit from reduced journey times during off peak operations, whilst the workforce are protected by a lower speed limit during working hours or incidents.

CHALLENGE

Speed limits through roadworks are typically set to 50mph to protect roadside workers and allow works vehicles to safely exit work sites. From a road user perspective the 50mph limit brings frustration due to the increased travel time and tailgating lorries.

Smart Motorways come with permanent gantries that are able to dynamically change the speed limit to improve traffic flow and improve safety during incidents.

Implementing a temporary solution that delivers similar control during the construction phases is ideal and allow 60mph running when deemed safe whilst reducing the speed limit to 50mph or 40mph when there is peak site activity or during incidents.

SOLUTION

In 2019 HRS worked closely with key stakeholders to facilitate trials of a dynamic speed management solution as part of the wider 60mph feasibility trials.

The result is a rapidly deployable Dynamic Speed Sign that can operate autonomously and does not require mains power or other hardwired communication networks.

HRS' secure geozone based control system enables groups of signs to be managed separately – such as for different phases of works – providing granular control across the entire site.

All signs are monitored in real-time, providing an objective audit trail and accurate data for future planning.



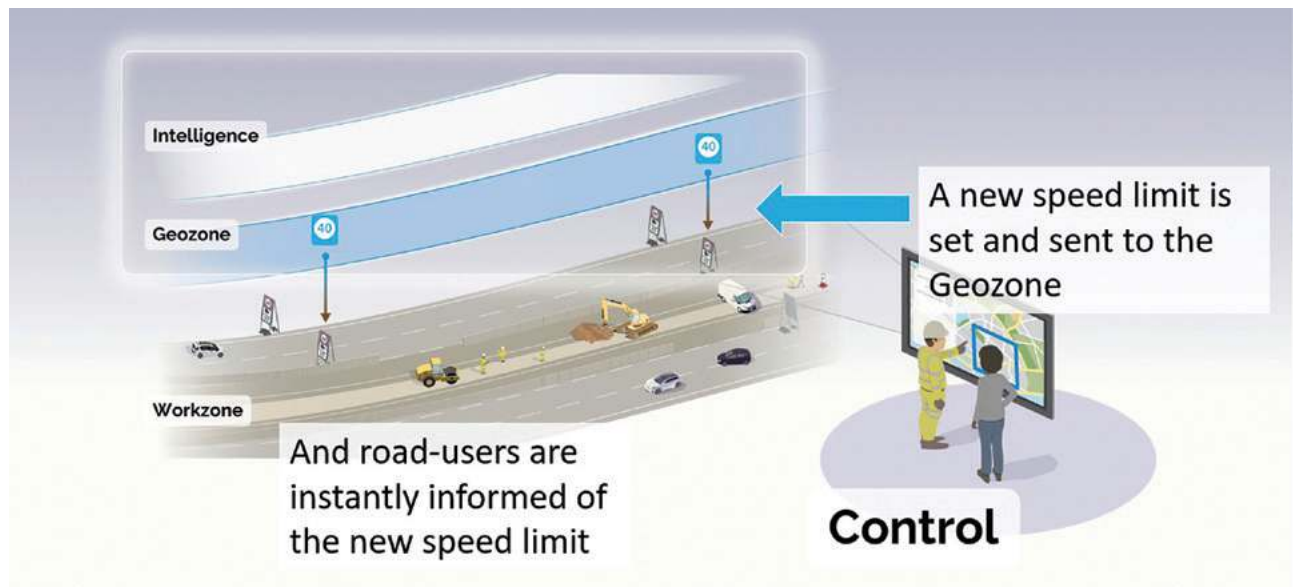
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or call us on +44 (0) 800 206 13 19



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How it works:

1. A speed change is requested by the control room
2. Dynamic Speed Sign in selected geozone changes to requested speed
3. Speed change is confirmed and logged with a timestamp



Features:

- > Displays 3 different sign diagrams
- > Gross weight of 45kg
- > Mounts easily on sturdy A-frame or concrete post
- > Trigger and Repeater types available
- > Integrated solar power and battery back-up
- > IoT platform for full reporting and condition monitoring

Benefits:

- > 60mph speed limit when it is safe
- > 50mph speed limit during peak site activity
- > 40mph speed limit during incidents or extreme weather
- > Flexibility during commissioning phase (e.g. early all-lane running)

Specifications:

TR2517A in accordance with TRG 0600A
TSRGD Compliant sign face



About HRS

Our mission is to provide technology-based safety solutions that will help to significantly reduce injuries and fatalities in temporary work zones, whilst providing the travelling public, our partners and clients with accurate real-time information. Our solutions have been proven to safeguard workers on many occasions whilst also delivering net cost savings in temporary traffic management.

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