

Overheight Vehicle Detection & Low Bridge Warning Signs



Overheight Vehicle Detection and Warning System for Safer Roads and Reduced Traffic Disruption

System Details

Our Solar Powered Low Bridge Warning System uses an infrared detection beam installed in advance of the low bridge at a set height threshold. When an overheight vehicle is detected, the system is triggered and a wireless radio signal is sent immediately to a high-visibility warning sign positioned ahead of the structure.

The sign activates instantly, displaying a TURN BACK NOW message in both Irish and English using high-intensity flashing red LEDs, supported by flashing amber LED beacons to maximise driver awareness. The warning remains active for a pre-set period, giving drivers adequate time to stop safely and turn away from the bridge. This system significantly reduces the likelihood of bridge strikes and helps to minimise traffic disruption caused by such incidents.

Fully solar powered, the system operates independently of the electrical grid, providing an environmentally friendly and energy-efficient solution.

Features

- Infrared overheight vehicle detection for real-time activation
- Advance warning to drivers before reaching height restricted structures
- Solar powered system requiring no mains connection - suitable for remote or hard-to-access locations
- High visibility LED signage with TURN BACK NOW messaging & S102 Amber Flashing Beacons
- Dual language display and sign design is compliant with Fig. 3.17 Traffic Signs Manual requirements
- Customisable detection heights and sign configurations
- Wireless communications between detection stations and warning signs
- Reduces risk of bridge strikes & associated repair costs
- Minimises traffic disruptions caused by overheight vehicles
- Fully autonomous operation with low maintenance requirements
- Zero energy consumption and CO2 emissions

Nationwide Installation

PWS provides a complete, end-to-end installation service, covering every stage of the process from initial concept through to final setup. This includes a detailed site survey, expert design guidance, and a tailored system proposal to ensure the solution meets your specific requirements. All services are available nationwide.

Overheight Vehicle Detection Station

