

# Over Height Vehicle Detection

## Improving Highway Safety



### Minimises Bridge Strikes

The UK road infrastructure has a number of restricted height bridges causing potential hazards to over height vehicles. Dorman Varitext have developed a system to reduce the risk of bridge strikes. The Over Height Detection System alerts drivers of over height vehicles of low bridges or structures ahead.

### New Product Innovation

Over Height Detection is a recent development for Dorman Varitext and has been successfully installed in Medway.

The installation for Medway Council was completed during 2009 and included the design solution, supply of all materials, installation and commissioning.

### UK Manufacturer

Manufactured at the UK headquarters in Southport the Vehicle Activated Over Height Sign coupled with the height detection beam inductive under surface loop detection system greatly reduces the risk of bridge strikes and instructs drivers of over height vehicles to turn back.

### Targets Over Height Vehicles

The Vehicle Activated Sign remains in a passive state until it is triggered by a combination of the over height detection beam and the inductive loop detection system to prevent false triggers.

### ■ Industry Sector

Improving road safety

### ■ Issue

Medway Council had an old over height detection system in place which was failing and causing an increased risk of a bridge strike on one of the busiest rail links into the city of London.

### ■ Solution

Dorman Varitext provided a complete solution which combined under surface loop detection and over height beam detection. A vehicle which is over height triggers the sign to display the warning message 'OVER HEIGHT VEHICLE TURN BACK'.

### ■ Benefits

The installation of the Over Height Detection System provides Medway council with peace of mind that drivers are alerted to the potential oncoming hazard, thus reducing the risk of bridge strikes and potential disruption to the city rail links.

### ■ Next Steps

This solution can be implemented in any situation where restricted height bridges cause a hazard to over height vehicles.

# Over Height Vehicle Detection System

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Over Height Vehicle Detection System provides you with:

- **Instant Warning Sign to Over Height Vehicles**  
The VATCS is only activated by over height vehicles, at all other times it is in covert mode.
- **Advanced Driver Warning**  
The advanced warning sign alerts drivers to the restricted height bridge ahead and provides an instruction to turn back.
- **Reduced Risk of Bridge Strikes & Costly Repairs**
- **Reduced Risk of Bus Collisions, increasing passenger safety on double deck buses**



All Dorman Varitext products are covered by a 12 month warranty. The Maintenance Contract option offers you additional peace of mind.

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