



# Mobile Traffic Products

Innovative solutions  
for a safer future



# Alerting Road Users To Danger, Keeping Road Operatives Safer

As leaders in innovation for road safety, Highway Care has developed a range of mobile traffic products (MTP) designed to enable rapid deployment, improved safety and clear communication of hazards on any type of roads.

We understand that road maintenance and improvement projects require an agile approach. Vehicles and personnel often have to be deployed in hazardous environments close to live lanes of traffic, so our MTP solutions are designed with two core principles in mind:

- ✓ Maximising visibility so that road users are alerted to the hazard
- ✓ Protecting assets from impact and minimising the risk of injury



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Our experts are here to help you select the most appropriate MTP products from our range to meet your operational and safety requirements.

Our in-house assembly capabilities ensure that you can always be confident of the highest ISO 9001 certified quality assurance standards.

And our commitment to developing innovative solutions for a safer future is evident in the market-leading features and technology throughout our MTP range.





# Safe Stop 90™ HD

The Safe Stop 90™ HD (SS90™ HD) is a fully repairable, heavy-duty lorry mounted crash cushion, suitable for all aspects of highways management.



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Ideal for use on either stationary or moving traffic management vehicles, Safe Stop 90™ HD absorbs rear-end impact at speeds of up to 68mph and can be deployed at a travelling speed of up to 55mph.

This versatile lorry mounted crash cushion can be supplied with hard-wired cab control and additional external rear controls.

## Technical Specifications

**Weight:** 950kg

**Width:** 2360mm

**Height:** 4040mm

**Length when deployed:** 4200mm

UK Test CD 378 compliant at  
110 kph/68mph

Tested to NCHRP 350 tests 3-50, 3-51  
and optional tests 3-52 and 3-53

## Benefits

- ✓ Sturdy, galvanised external safety frame, to protect against nuisance damage
- ✓ Proven, reliable design, with continuous design improvement to meet the evolving challenges of UK roads
- ✓ Easily repaired after medium or light impact
- ✓ High-performance, long-life hydraulics
- ✓ Twin design ram operation, with over centre valves to help prevent the crash cushion from dropping due to hydraulic hose failure
- ✓ Road lights recessed on the impact face
- ✓ The vehicle to which the SS90™ is attached can be driven at 55 mph on rear air suspension or at 35mph on rear steel suspension while deployed



# Light Arrows

The Highway Care Light Arrow range includes systems suitable for impact protection traffic management vehicles.

Our versatile LED Light Arrows can be supplied with either a folding top panel or a vertical lift mechanism to complement your existing fleet, site and storage requirements. Fully operational from the vehicle's cab, they provide a reliable safety system, with LED technology that delivers a durable and low maintenance solution with reduced power consumption and an extended service life.

We have a number of options available, all of which can be covered from view with a deployable CE compliant blind system.

Our expert team can help you select the most appropriate products for your requirements from our Light Arrows range:

- ✓ Red X Light Arrow – incorporating dual colour lamp technology our Red X Light Arrow operates a dual function displaying red X or light arrow sign, working in combination with our Safe Stop 90™ HD lorry mounted crash cushion.
- ✓ Prism Sign - capable of displaying left and right 610 arrows and P7029 'convoy vehicle no overtaking' messages.
- ✓ Vertical LED Light Arrow – also available as a Folding Light Arrow.

## Standards, Testing & Performance

- ✓ DfT Authorised
- ✓ TOPAS Registered
- ✓ EN12352

## Technical Specifications

x24 LED lamps to display directional arrow + x2 yellow Xenon lamps

2300mm/1500mm upper panel in non-reflective traffic grey

2300mm/1900mm lower panel in reflective yellow, DG3 showing a 1500mm '610' arrow with left and right function



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# Mini Light Arrows

Our Mini Light Arrows provide a lightweight device for rapid deployment that enable traffic management and road maintenance contractors to indicate the presence of smaller vehicles, alerting road users to a potential hazard and keeping operatives safer as they work. This versatile system is also suitable for road sweepers and waste management vehicles.

Visible over a long distance, our Mini Light Arrows give motorists sufficient time to see a blocked lane or hazard ahead and move away in plenty of time to protect their own safety and that of any operatives in the road.



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## Technical Specifications

**Width of sign face:** 1045mm

**Height of sign face:** 1075mm

Blind rivet construction with stainless steel clamps

**Weight of fixed panel:** 23kg  
(no framework)

**Weight of folding roof:** 40kg  
(without roof bars)

**Weight of vertical option:** 105kg

## Take a look at the market-leading features and benefits offered by our Mini Light Arrow range:

- ✓ 13 LED lamps as standard ensure great visibility, even at long distances
- ✓ Updated electronics and handset design
- ✓ Accurate monitoring control of the LED lamps
- ✓ Optional control for beacons & worklamps (50 watts max. per channel)
- ✓ Dual voltage 12/24vdc
- ✓ Fitted to grey sign plate
- ✓ DfT Signs Authorised HA26/36/01, Plan 37 A, B, C & D



# Impact Protection Vehicles (IPV)

The vehicle specification you need will depend on your deployment requirements. At Highway Care, our experts can talk you through your Impact Protection Vehicle (IPV) options and help you decide on the right solution for you. There is no need to make do with a standard vehicle build.

Thanks to our partnership with specialist vehicle body builders, Bevan Group, we can create bespoke IPV builds, specifically tailored to meet your needs.

## Why specify an IPV from Highway Care?

- ✓ We can provide bespoke IPV builds tailored to meet your operational and safety requirements
- ✓ We work in partnership with Bevan Group, who have invested in getting approvals on the P2VQ Passport to Vehicle Quality scheme for our traffic management products
- ✓ That means your IPV doesn't have to leave the builders to have an IVA test, instead, it's all done in-house, before the vehicle is returned to you



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# Demountable Signboards

You can choose either P7402 or P7403 Demountable Signboards from Highway Care, in a hard-wired or radio controlled configuration and has a lower profile, reducing installation materials, time and cost.

Designed as a compact solution specifically engineered to use minimal space on body of the pick-up, our Demountable Signboards enable easy access to the load space.

All models also allow the signboard to be placed in the stow position, where the aerodynamic design helps to reduce drag.

## Take a look at the features and benefits of the Highway Care Demountable Signboard range:

- ✓ Durable 4-fold lamps - 340mm LED Lights
- ✓ Forklift pockets for demount as standard, with optional jacklegs for removal
- ✓ Complies with Chapter 8 and Lantra
- ✓ Easily changeable wicket plates
- ✓ Supplementary boards – distance warning of works or lane closures ahead



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# Falcon Automated Cone Laying Machine (ACLM)

The first of its kind in the UK, Highway Care's Falcon ACLM was developed following a rigorous R&D process, which included engagement with the traffic management community and National Highways to inform the first generation specification.

Developed with Senn Engineering in Switzerland, the Falcon ACLM has undergone a comprehensive series of off and on-road tests, and has been approved by National Highways.

Requiring no operatives other than the driver, the Falcon ACLM drops or collects each cone accurately in less than 10 seconds, aiding operational efficiency, resource management and safety during traffic management operations.



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Now live and operational on one of the busiest roads in Europe, the M25, the Falcon ACLM provides all these safety and operational benefits:

- ☑ Enables greater accuracy, speed and consistency of cone laying
- ☑ Allows each cone to be dropped or collected in less than 10 seconds
- ☑ Enables operatives to work in a place of safety, removing them from the rear of the vehicle and adjacent live lanes of traffic during cone laying operations
- ☑ Reduces the number of operatives required for cone laying operations
- ☑ Reduces operative fatigue
- ☑ Prevents the risk of musculoskeletal injury from repetitive bending, reaching, twisting and lifting of cones by removing the need for any manual handling
- ☑ Avoids the risks associated with operatives breathing in fumes due to close proximity to both traffic and the vehicle's own emissions during cone laying
- ☑ Prevents the risk of hearing loss for highways operatives from working adjacent to live lanes of traffic
- ☑ Prevents drivers from being distracted by the workforce during conventional cone laying operations
- ☑ Avoids the need for operatives to work outdoors in inclement weather conditions
- ☑ Supports tapering activities
- ☑ Enables extended closures based on cone capacity (maximum capacity for cones on the machine is 432)
- ☑ Demonstrates a best practice approach to operative health, safety and wellbeing

# Innovative Solutions For A Safer Future

We are specialists in protecting people, places, infrastructure and communities around the world. You can rely on us for:

- **Market-leading solutions**
- **Technical knowledge**
- **Responsive customer service**



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