Highway Care

Innovative solutions for a safer future

highwaycare.com
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Highwaycare.com Innovative solutions for a safer future
About us

Highway Care is a leading highway and security turnkey solution provider. Highway Care exists to bring innovative products to the highways market, making roads safer for motorists and working environments safer for road crews.

We have introduced numerous industry firsts to the UK and global market, all in aid of road safety.

In 1994, we introduced the first Traffic Mounted Attenuator to the UK; in 1997 we designed and developed the first UK Mobile Light Arrow for traffic management vehicles.

In the early 2000s, we developed BG800®, our own N2 W2 portable steel, the first of its kind to be introduced overseas. In 2004 we introduced the first static crash cushions to traffic black spots including the M25.

In 2009 we modified our highways barrier for the security industry; SecureGuard® HVM barrier. Our foray into the security market successfully continued when we supplied HVM for the 2012 London Olympics.

What sets us apart

• Our People - they are passionate industry experts with knowledge and skills spanning decades

• Our Innovations - we are continually developing our product range of road safety solutions for the benefit of all road workers and user

• Our Partners - we only work with the most efficient and like-minded principal suppliers, distributors and partners

Our mission and vision

Our aim is to be a global leader of highway and physical security solutions and to create innovative solutions for a safer future.

Our values

Integrity and trust

We act with integrity and honesty to build trust.

Transparency

We are transparent in all our business dealings.

Quality

We manufacture and offer only quality products and services.

Pride

We take pride in every project and installation.

Sustainable

We seek a sustainable future for all stakeholders.

Embrace

We embrace the development of new ideas and solutions.
Operational Delivery Services Team

From our four strategic locations across the UK, our Operational Delivery Services team safely delivers, installs and removes a range of temporary and permanent road barrier systems and ancillary road safety products.

All our operatives are CPCS, ALLMI, CSCS, LANTRA and FISS qualified. Our Operations Director and HSEQ Manager both hold CMIOSH status.

The ODS team operates to deliver a quality service, safely and efficiently, with the customer in mind at all times.

Each location, includes trained lift supervisors, lorry loaders, slingers and signallers and each operator is fully NHSS and 2B Lantra trained.
We offer solutions and services right across the globe; and are proud to have customers within the North American continent, through Africa, the Middle East, Europe and into Asia, Australia and New Zealand.

We work with our international partners and customers on projects from design stage right through to installation and commissioning.

Our field applications team are mobile and can assist with training and ongoing project based support, both on site and remotely.
Accreditations, awards and memberships

We proudly hold UKAS ISO 9001, ISO 14001 and ISO 45001 accreditations, FORS Silver and Constructionline Gold. We are multi-award winning, most recently in health and safety and fleet by the Royal Society for the Prevention of Accidents.

Highway Care are committed to continually improving services, including operational performance whilst also reducing the risk of harm to people and the environment.

We are members of a number of relevant organisations to share industry knowledge and information in order to promote and encourage road safety innovations.

**Accreditations**

- UKAS ISO 9001
- UKAS ISO 14001
- UKAS ISO 45001
- FORS Silver
- Constructionline Gold

**Awards**

- MEGA GROWTH 2011
- MEGA GROWTH 2012
- MEGA GROWTH 2013
- MEGA GROWTH 2014

- ROSPA Gold Award
- ROSPA Fleet Safety Award Gold
- ROSPA Gold Award

**Memberships**

- IRF
- ATSA
- PSSA
- Safer Highways
- Artsm
Dedicated Customer Sales and Customer Service teams

Highway Care have a dedicated sales team and customer service team to ensure the journey from project discussion through to installation and after-sales is a smooth one.

No matter the location of the highway, we are able to offer a solution suited to the individual needs of the project.

The customer service team are there to communicate and solve any on-site concerns or issues and ensure a seamless delivery of products.
Customer Support Team
Applications and Engineering

Our Applications and Innovations Manager heads up our team of three application engineers.

The team operates to provide dedicated technical customer solutions and ongoing customer support.

Our support team are also responsible for facilitating and managing the introduction of new innovative products and services, moving the company forward to benefit evolving customer needs.

Once an installation of our permanent or long-term rental products has taken place, a dedicated engineer will return to check the products are still in safe operation.

This also gives the customer an opportunity to ask any questions about the operation of the installation or raise any issues.
Lantra National Highway Sector Scheme Training (NHSS)

Highway Care can offer National Highway Sector Scheme Training from its various depots, delivered by one of our in-house NHSS trainers.

NHSS is a legal requirement for companies working on Highways England roads. If your company work across these schemes, you will be required to register for the relevant training course.

NHSS training offered
The specific training Highway Care provide covers the 10B Sector Scheme for the supply, installation, maintenance and repair of Highway Care Road Barrier Systems including:

- BG800® portable steel barrier
- HC350 portable concrete barrier
- Road Zipper System
- X-Tension® 110 P4 terminals
- TAU Tube crash cushion
- S-A-B barrier gates
Road Barrier Systems

Our range of road barrier systems offer both temporary and permanent solutions to keep work forces carrying out maintenance work as safe as possible whilst keeping motorists’ safety front of mind.

Temporary Vehicle Restraint Systems
• BG800® portable barrier
• HC350 concrete barrier

Permanent Vehicle Restraint Systems
• Tertu TimberRail

Barrier Gates
• BG800® Gate
• S-A-B Gate

Vehicle Incursion Gates
• SoSec Gate
• Instaboom and GS6 Boom

Automated Taper System
• SwiftGate Taper

Crash Cushions and End Terminals
Mobile Traffic Products

The first to offer the Mobile Light Arrow and Mobile Red X to the UK market, we pride ourselves on providing quality traffic management systems at the best value.

Safety and protection of road work forces is what drives Highway Care to continually evolve traffic management products, such as the Lorry Mounted Crash Cushion.

As part of our commitment to customers, we are able to offer warranties and can offer service and aftercare packages on certain products, including the Mobile Light Arrow and Lorry Mounted Crash Cushion.

Our service support includes round-the-clock breakdown assistance with 93% of all vehicles being attended within 90 minutes.

Lighting and Traffic Management
• Motorway Light Arrows – LED and Red ‘X’ Light Arrows

Lightweight warning solutions
• Mini Light Arrow
• POLVIS II

Lorry Mounted Crash Cushions
• Safe Stop 90™ HD

Signs
• Demountable signboards

Impact Protection Vehicles
• Short term and long term hire available
Security Solutions

We are a leading installer of Hostile Vehicle Mitigation (HVM) barriers, perimeter security fencing and protection products.

Tested to the highest of industry standards our products provide leading protection, creating dynamic and functional security solutions.

Our ethos is simple; to work closely with leading global manufacturers to seamlessly provide the most effective and economic security solutions for both temporary and permanent applications.

Steal and concrete HVM
- SecureGuard® HVM barrier
- CLAW mobile HVM barrier
- SecureGuard® CB

• Rising arm barrier

Portals
- Pedestrian portals
- Vehicle portals

Fencing & Gates
- RDS Fencing
- SecureGuard® Fencing Gates
- Turnstiles

Bollards
- HCS Bollards
International

Highway Care has remained at the forefront of innovative road safety solutions; continuing to push boundaries and break new grounds internationally including:

• Development & introduction of BG800 Steel Barrier to worldwide markets, the first TL4 Portable Steel Barrier to achieve FHWA acceptance in North America and be approved in Australia and New Zealand.

• Introduction of class leading safety systems into several countries in the Middle East.

• HighwayGuard - our latest steel barrier system designed and tested to meet the most recent, stringent crash test standards. Introduced internationally in 2020 after achieving international acceptances.

We will continue to introduce the highest quality systems, providing the best value and sustainable solutions to the highways industry worldwide.

• HighwayGuard™ portable steel barrier
• BG800® portable steel barrier
• BG800® Gate
• Ezy-Guard™ / Ezy-Guard™ high containment
• ArmorWire
• Raptor®
Case studies
A14 Cambridge to Huntingdon Improvement Scheme | BG800

The A14 Cambridge to Huntingdon improvement scheme has been a major project for Highways England. The 21-mile project included a major new 12-mile bypass, the Huntingdon Southern Bypass, which opened a full year ahead of schedule, as well as the widening of the sections of existing A14 and A1.

The A14 carries around 85,000 vehicles per day so it is imperative it is in the best condition. 26% of this traffic is HGV traffic, where the national average is 10%. Prior to the upgrade, the road was frequently congested and traffic was often disrupted by breakdowns, accidents and roadworks.

Highway Care are proud to have been a part of such a crucial and significant scheme. The operations team deployed up to 30 km of BG800® temporary barrier and up to 85 crash cushions at any one time on many various junctions for the Southern Bypass part of the project. The barrier and crash cushions were protecting the team working on the side of the road from passing traffic, ensuring they had as much working area as possible.

The Operations Delivery team worked tirelessly to keep BG800® on the active parts of the A14 scheme, both day and night. A fantastic achievement for the team and highlights the operatives’ capability to not only install road barrier systems but maintain them too.

“Highway Care have been one of a large number of supply chain partners who have helped to make the A14 project a success. We thank them for their contribution towards keeping the public and our workforce safe.”

Julian Lamb
Deputy Project Director, A14 IDT
The Tinsley Viaduct carries both the M1 in Sheffield and the A631 roads, 1,033 metres over the Don Valley. 100,000 vehicles cross it a day, making it South Yorkshire’s busiest bridge.

This project included upgrades and refurbishments to 2.5 miles of safety barrier, footpaths, drainage and road surfaces on the lower deck.

Four BG800 Gates, through their Highways England accepted ‘W’ beam connection, facilitated a seamless connection into Pass & Co Uk Ltd’s own systems, whilst providing the required deflection characteristics and emergency opening between hinge points. The BG800® Gates were selected for installation on the lower deck of Tinsley Viaduct mainly because of the system performance characteristics, anchorage options and modular length, which was fabricated to a bespoke fit.

GS6 Instaboom was developed with the Kier Highways M20 team after they received the coveted Blue Star award for safety implementation using the standard anti-incursion Instaboom product.

An 18KVA overhead power line spanned both carriageways and the active work areas. Within weeks of the first discussion, the team had deployed a patented prototype detection systems using an IP68 laser detector mounted on a standard GS6 pole. The sensor was connected to an Instaboom barrier, some 40m down the work lane. As the set height restriction is breached, the laser triggers the Instaboom to come down, barring further access to the work zone and preventing a cable or overhead obstacle strike.

An emergency number notice allows the stopped vehicle to request assistance and the site manager to assess if the detected over height vehicle has been reduced and is safe to proceed.

**M20 | Instaboom/GS6 Boom**

We choose to work with Highway Care and will continue the relationship because they are innovative and organised and we look forward to continuing our work with them in the future.”

Peter Balmer
Managing Director UK Ltd, Pass & Co UK Ltd. and Versco Ltd

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**Tinsley Viaduct | BG800® Gate**

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This collaboration with Bevan Group, included an Safe Stop 90™ crash cushion (SS90) and high-visibility motorway light arrow, purpose built for Priority TM's impact protection vehicle.

The IPV was designed specifically with operation in and out of the City of London in mind. Crucially, at just 4.5 metres in length its body is 2.2 metres shorter than that of a conventional impact protection vehicle. This feature, which enhances agility and manoeuvrability, had earned the truck its 'Stubby' nickname long before it entered service.

The Safe Stop 90™ crash cushion absorbs rear-end impacts at speeds of up to 68 mph (110 kph compliant to TD49/07), and can be deployed at a travelling speed of up to 55 mph. Potentially reusable, it boasts a galvanised external safety frame that offers protection against the low-speed ‘nuisance’ impacts – incurred, for example, when a vehicle is manoeuvring in a yard – which are a common cause of damage to crash cushions.

The motorway light arrow is a vertical LED light arrow with folding option available, to notify drivers of workforce operating next to the truck.

“"We are a long-standing customer of Highway Care and I've been pleased and impressed with the way both Highway Care and Bevan have supported us.”

Duncan Crome
Managing Director, Priority TM
ArmorWire™ was installed in 2014 on the 45km Salwa - Lusail Temporary Truck Route in Qatar. The Ashghal PWA needed a suitable barrier that would provide protection on a Temporary Truck Route (TTR). The barrier needed to prevent any possible cross median collisions on the 4-lane highway while maintaining a cost effective approach for what is essentially a temporary road.

Ashghal Public Works Authority (PWA) regulates infrastructure related projects and public amenities in Qatar. In an effort to improve the traffic flow in Doha and divert incoming transit traffic between the north and south of the country out of the city, Ashghal PWA announced the opening of the Salwa – Lusail Temporary Truck Route (TTR) stretching 45km and connecting Salwa Road west of the industrial area with Lusail Development.

ArmorWire™ 4 Cable TL-4 was selected as a cost effective median barrier that would meet the specific challenges for the 45km permanent installation during the TTR roads lifetime. The ArmorWire™ TL-4 (or TL-3) cable barrier was designed, tested and accepted to NCHRP 350 longitudinal cable barrier criteria.

ArmorWire’s distinctive oval posts have been designed to firmly fasten the cable, with the fewest component parts of any system on the market, just one post cap completes the installation.

"ArmorWire™ is amazing, years ago, I was sceptical about using cable barriers but on this project, it was used on a route that is 95% heavy trucks.

I am aware that it is not designed or tested to contain such vehicles, but although we had tens of barrier impacts we never had a single penetration."

Ashghal Public Works Authority
A bespoke Hostile Vehicle Mitigation (HVM) barrier and security fence system from Highway Care and Fernden Construction is one of the features being installed around an £88 million new service hangar at Gatwick airport.

The barrier and fence system is part of a £16 million additional investment by Gatwick Airport Ltd to prepare vehicle access and aircraft taxiway systems to the hangar.

When Fernden Construction, the term maintenance contractor to Gatwick Airport Ltd, was requested to provide the barrier solution they naturally turned to Highway Care’s SecureGuard® 30 system as it had already been used at several other locations at Gatwick Airport.

Around 600 metres of SecureGuard® 30, with cable enhancement, was installed by Highway Care in a horseshoe shape to protect the rear three sides of the new hangar where there is exposure to potential attack. This is a permanent installation with SecureGuard® 30 bolted to the ground foundations, and steel cables are installed to the rear of the barrier to upgrade its resilience and strength against attack.

Secure Guard® 30 was developed by Highway Care from its successful road barriers. With its crash testing credentials, these security barriers have been specified for several significant events such as the 2012 Olympics, the 2013 Northern Ireland G8 summit and the 2014 Security Summit at The Hague.

“\nThe SecureGuard® 30 has a proven track record at Gatwick and is the right solution for this installation being able to take a security fence on top and in all, it works extremely well and does a great job.”

Paul Bovingdon
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East Midlands Depot
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Grantham, Lincolnshire
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Scotland Depot
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