# Temporary Technology Installations

## Why have we issued this alert?

Recent safety observations across multiple roadwork schemes have identified instances where temporary technology — such as CCTV systems, Variable Message Signs (VMS), Automatic Number Plate Recognition (ANPR) units, and Temporary Automated Speed Cameras At Roadworks (TASCAR) were deployed adjacent to the live carriageway as part of the Traffic Management arrangements, without adequate assessment or protection. The change in power solutions to more portable, battery and alternative power source options has given more flexibility to the positioning of the technology but has in turn increased the number of items on the network and in turn the likelihood of incident occurring.

Any temporary technology equipment installed on the highway that is not passively safe, has the potential to kill or seriously injure a road user if their vehicle leaves the carriageway and collides with a poorly positioned or unprotected item, especially where they contain power source.

In addition, incorrect siting or installation can create further safety and operational risks, including obstruction of sight lines at junctions and unsafe working methods near live traffic during installation, maintenance, and removal.

## Required actions:

Any temporary technology installed on the highway must be subject to a formal risk assessment and approved through the scheme's Traffic Management and Safety Governance processes. All scheme delivery teams, contractors, and traffic management providers must:

Identify all temporary technology (e.g., CCTV, VMS, ANPR, TASCAR etc.) currently installed or proposed for use within Traffic Management or adjacent to the highway.
Undertake a formal risk assessment prior to installation, considering:

- Location, visibility, likelihood of being hit by an errant vehicle.
- If required, conduct a Road Restraint Risk Assessment Process (RRRAP)
- Safety of operatives during placement and removal.
- Stability and structural integrity of ground conditions, platforms.
- Impact on existing permanent assets or ITS infrastructure.

Include each device in the Traffic Management Design and Traffic Management Plan, ensuring compliance with Chapter 8, Sector Schemes and the National Highways' Design Manual for Roads and Bridges (DMRB).
Ensure the positioning is still fit for purpose during ongoing/daily inspection and maintenance checks.

## Industry standards reference

The requirement to assess hazards and, where necessary, protect them using Temporary Vehicle Restraint Systems (VRS) is included in several industry standards, including the Design Manual for Roads and Bridges (DMRB) and the Traffic Signs Manual (TSM) Chapter 8.

- Traffic Signs Manual Chapter 8** – Requires a full risk assessment of all temporary traffic management installations and hazards. Where hazards are present within or adjacent to the live carriageway, appropriate protection such as temporary safety barriers or vehicle restraint systems must be considered. Designers and operators must document and justify the level of protection adopted.
- DMRB CD 377 – Requirements for Road Restraint Systems** – Mandates that all permanent and temporary hazards which could endanger vehicle occupants, the workforce, or others must be identified within a site-specific risk assessment. Where hazards cannot be removed or mitigated by other means, the installation of temporary vehicle restraint systems should be considered. It also requires that decisions and layouts be recorded and justified as part of the Traffic Signs Manual Chapter 8 Temporary Traffic Management (TTM) design process.

These documents collectively require that any object, structure, or equipment placed within or adjacent to the live carriageway must be assessed as a potential hazard. If a risk of vehicle impact exists, appropriate temporary protection measures — such as VRS, barriers, or impact protection vehicles — must be evaluated and implemented where necessary.

Other industry standards & guidance to be read in conjunction with the above

- CD 130 - Design of temporary traffic management at road works and temporary layouts
- CD 133 - Design of temporary automatic speed cameras at road works (TASCAR)
- CD 354 - Design of minor structures
- GC 106 - Working on the highway

AUTHORISATION TO ISSUE (HoHSEQ or nominated deputy during absence)

Signed:

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Signed copies to be maintained by company HSEQ Manager / Advisor.