

Health and Safety Toolkit

Idea Suggestion Proforma

The Health and Safety Toolkit is intended to be a means of identifying the many good practices, innovations and ideas which contribute positively to health and safety. This includes all ideas already being put into practice on the Highways England network, as well as those which could potentially be transferred / implemented.

Submitted ideas should be original and supported by a relevant highways based case study displaying clear benefits (NOT just supplier marketing material)

Should you wish to put forward an idea for potential inclusion in the toolkit, please complete this proforma and forward to the email address:

philip.farrar@highwaysengland.co.uk

Brief description of Idea	Improving the overall rear conspicuity of Impact Protection Vehicles (IPVs) by installing LED lighting on the rear face of the crash cushion.
To what activities can this idea be applied in practice?	Any activities which involve an IPV being used with its crash cushion deployed.
What are the benefits of this idea?	<p>Collisions with IPVs present a risk to road workers and road users. Evidence suggests over 15 IPVs are struck by road user vehicles each year on the SRN.</p> <p>The conspicuity of the rear of the IPV is significantly greater than the relative conspicuity of the lorry mounted crash cushion. The addition of illuminated red markings on the very rearmost part of the crash cushion should provide approaching drivers with more information at greater distances, allowing them to identify the IPV and in particular where the rearwards extent of the crash cushion resulting in earlier decisions on the actions required to pass the vehicle safely.</p>
Are there any cost implications of implementing the idea? If yes, please quantify	LED lighting strips cost approximately £660 + VAT and fitting per IPV
How would you describe this idea?	e.g. Innovation, Good Practice, New Idea etc Innovation

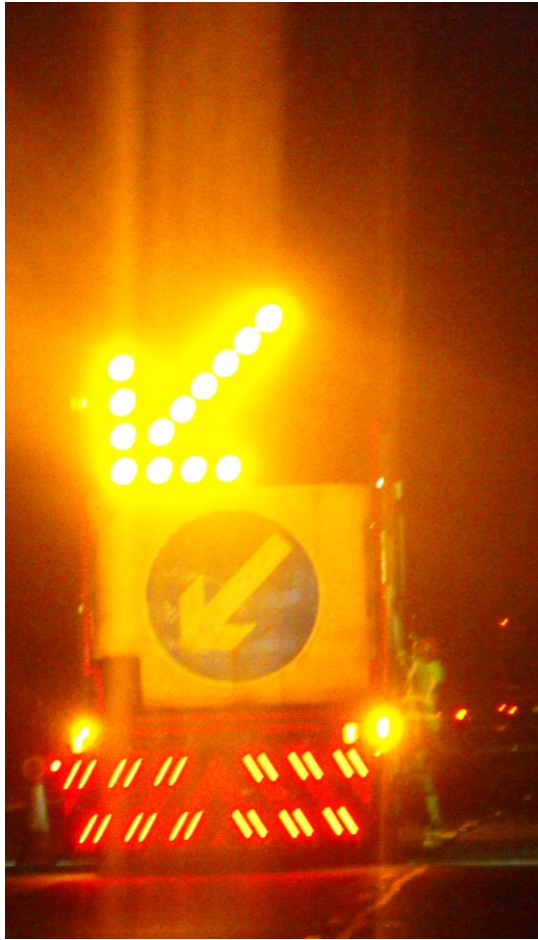
Is this idea currently being used in practice? If yes, where?	<p>The LED innovation was installed onto two Carillion Traffic Management TMIPVs which were in regular use from March 2016, predominately on the M40 DBFO contract.</p> <p>In the year to March 2017, both vehicles conducted approximately 500 TM installations and 500 removals each without incident.</p>
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Are there any conflicts to potential implementation of which you are aware?	<p>e.g. HE Standards/Specs, Chapter 8, CDM Regulations etc</p> <p>None: compliant with regulations and standards</p>
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Please provide your contact details	<p>Name:</p> <p>Company:</p> <p>Email:</p> <p>Telephone:</p>
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Please provide any additional information which would support this idea – e.g. photographs, diagrams, sketches etc.

Photo of an IPV fitted with the LED strips



**Additional
Information**

Diagram of LED strip arrangement on red retro-reflective segments chevron

