


Form Ref: HSI-10	Independent Health & Safety Inspection – Blue Star Item	Version: 2.0 Jun 2015
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	Awarded for Exceptional Performance or New Initiative not widely used on other sites
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Project	Principal Contractor (PC)	Date of Inspection
M1 J23a-25	Costain Galliford Try	11 th May 2018
Site Contact	Email Address	Telephone Number
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Description of Blue Star Item	<p>Measuring Traffic Incursions</p> <p>Halo Deployment ‘The Worker Guardian’ has been utilised on the M1 Smart Motorways Project to record actual traffic incursions at access/ exit points within the works. Traditionally data recording of incursions relies on near miss reporting from site or them being identified by CCTV operatives.</p> <p>At one works access point where the camera was deployed the traditional method of reporting only captured 7 incursions where in fact the camera captured 200.</p> <p>The Halo uses 3D high-definition radar, coupled with stereoscopic secondary speed verification, to effectively cover up to six lanes of bidirectional traffic. It provides real-time, secondary speed verification – utilised when two independent speed measurement systems are required. This enables Halo to be installed in locations where traditional single radar-based enforcement systems fail.</p>
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Benefits of Blue Star Item	<p>The incursion detection camera since set up has allowed accurate analysis to be provided on incursion in the area it is used, as previously mentioned traditional methods we wouldn’t have the awareness of the incursions in the area being such a severe risk, with the data from the camera it allowed the decision to be made to prohibit any works in the area until it could be arranged for the temporary crash barrier contractor to attend site under TM closer and close the opening within the works.</p> <ul style="list-style-type: none"> • Actual data recording of incursions • Site related vehicles registrations can be entered the software to discount from data • Device records footage that can be captured and used for analysis, training etc. • The unit can be moved around site to different locations <p>In practice onsite :</p> <p>We have found a huge difference in the number of reported incidents in comparison to the data collated. This allowed the site management team to assess the scope of works within the area and permanently close the access point at the earliest opportunity. The team found that the results meant they could indicate busy periods; this can be used in the future works plans so that the timing (where possible) can lower risk. Once we have more in place we would even be able to compare which areas are more prone to incursions etc.</p> <p>The unit can be used for many other purposes</p> <p>3DHD radar features:</p> <ul style="list-style-type: none"> • Bi-directional (towards and away) detection • Wide beam • Range: up to 150m
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	<ul style="list-style-type: none">• Potential trigger conditions:<ul style="list-style-type: none">o Barred lane incursiono Changing laneso Excessive speed without decelerationo Excessive acceleration
Details and Cost of any Specific Product	Device is supplied currently by Red Flex and has been sourced from Australia

Photograph



SOLUTION FEATURES

