


Form Ref: HSI-10	<b>Independent Health &amp; Safety Inspection – Blue Star Item</b>	Version: 2.0 Jun 2015
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	<b>Awarded for Exceptional Performance or New Initiative not widely used on other sites</b>
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<b>Project</b>	<b>Principal Contractor (PC)</b>	<b>Date of Inspection</b>
M1 16-13 Tranche 3	Costain Galliford Try JV	January 2019
<b>Site Contact</b>	<b>Email Address</b>	<b>Telephone Number</b>
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<b>Description of the Blue Star Item.</b>	<p>On the Smart Motorway J13-16 scheme we have started using Autobrake on the site sweepers. This is a radar system that is fitted to the rear of vehicles and automatically applies the brakes when it detects an obstruction. The distance for the obstruction can be altered we currently have it set to three metres. In the cab the driver gets given three warnings as the vehicle gets closer to the obstruction so they have time to check their surroundings and to put their foot on the clutch to stop the vehicle stalling.</p>
<b>Benefits of the Blue Star Item.</b>	<p>CGT went to view the autobrake fitted to some plant at a waste transfer facility. In this environment, it worked well as there are rarely people walking around the plant but gave the plant that extra safety feature. We identified that this could possible work well on sweepers due to the nature of their works. Sweepers are often working in areas before other gangs arrive – i.e. black top – or after the gangs have left to clear the road – i.e. earthworks and drainage. The nature of the works of sweepers also made them a good target area as often they are required to go over the same area on several occasions introducing the risk of reversing.</p> <p>We tried the Autobrake on one sweeper to start with to see if it would work in the confines of a Smart Motorways scheme. The initial trial was successful and the sweeper driver stated he was happy to have an additional aide when reversing. The device was then installed on all CGT Sweepers. Other road sweeper drivers have also stated that they like having the system installed on their sweepers. The key benefits they have specified are;</p> <ul style="list-style-type: none"> <li>• The three stage warning system allows them to stop on the first warning and look to see what the obstruction is.</li> <li>• The device gives them an extra safety measure when they are driving and potentially looking in the reversing camera or at the kerb line they are cleaning.</li> <li>• If the vehicle needs to get closer to an obstruction the driver can turn a key to briefly override the system but it will immediately default to “on” so cannot be permanently deactivated.</li> </ul> <p>For the scheme it adds an additional control measure for an operation where reversing cannot feasibly be eliminated or reduced. It also prevents the need for potentially having a banksman in the area.</p>