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| Form Ref:<br>HSI-10 | Independent Health & Safety Inspection – Blue Star Item | Version: 3.0<br>Jan 2017 |
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|  | Awarded for Exceptional Performance or New Initiative not widely used on other sites |
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| Project SMP M23          | Principal Contractor (PC)  | Date of Inspection |
|                          | Kier   |                    |
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| Description of Blue Star Item  | The SHE team working on the M23 SMART Motorways Programme recently helped trial the use of a band saw in collaboration with supply chain partner NFF as part of the VRS decommissioning works. The aim was to use alternative methods where the risk of fire from hot works was too great to use traditional cutting with a circular saw, as well as aiming to reduce exposure to harmful risks of hand arm vibration and noise. It was a hit with the operatives where they complimented its ease of use, surprisingly quick performance and excellent reduction in exposure levels. Comparison of technical specifications shown below against a conventional disc cutter:   |  |  |  |
| Benefits of Blue Star Item   | <p>Not only does a band saw perform efficiently, it's reduces environmental impacts as it does not use two-stroke oil and does not output high decibels levels in comparison with a traditional circular saw. Meaning fewer nuisance is created to local residents and wildlife, and there is less consumption of natural resources.</p> <p>Band saws have also proven to be effective in the removal of sign posts and street lighting columns.</p> <table><tr><td><b>Milwaukee 6232 Band Saw</b><br/>Sound pressure level (dB(A): 90.2<br/><br/>Vibration cutting metal (m/s<sup>2</sup>): 1.27<br/>Weight (kg): 6.5<br/>Does not produce sparks<br/>Electrically operated battery or corded</td><td><b>Stihl TS40 Disc Cutter</b><br/>Sound pressure level (dB(A): 109 dB(A)<br/>Vibration levels left/right (m/s<sup>2</sup>): 3.9<br/>Weight (kg): 10.1<br/>Produces Sparks<br/>Two stroke oil and petrol</td></tr></table> |  | <b>Milwaukee 6232 Band Saw</b><br>Sound pressure level (dB(A): 90.2<br><br>Vibration cutting metal (m/s <sup>2</sup> ): 1.27<br>Weight (kg): 6.5<br>Does not produce sparks<br>Electrically operated battery or corded | <b>Stihl TS40 Disc Cutter</b><br>Sound pressure level (dB(A): 109 dB(A)<br>Vibration levels left/right (m/s <sup>2</sup> ): 3.9<br>Weight (kg): 10.1<br>Produces Sparks<br>Two stroke oil and petrol |
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| Details and Cost of any Specific Product |  |
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Photograph



Photograph

