



MAKE BETTER DECISIONS

August 2021

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August 2021 - STOP Think!



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[www.osborne.co.uk](http://www.osborne.co.uk)



Hello and welcome to our August STOP Think! Cascade Briefing. I hope you have all had a good month.

The ever-changing Covid landscape continues to hit the headlines and since our last STOP Think!, restrictions have indeed been lifted. However, given the current Government statistics, there remains a real risk of infected people arriving on our sites. Therefore, the majority of the controls that we have put in place will remain for the foreseeable future and any changes to our working practices will be gradual. With the vaccine roll-out continuing, we just need a little more patience as we learn to live with this virus.

### Collective Success comes from Collective Commitment

Like many of you, I have been enjoying watching the success of our Olympians in Tokyo over the past two weeks. Their achievements are the result of incredible teams working together to be the best that they can be, four years – or five years in this instance - of dedication, relentless training, planning, interrogation and personal sacrifices – all to achieve the ultimate goal “GOLD”.

This reminded me of the strategic work that we have undertaken with the organisation “Will It Make the Boat Go Faster?” who help businesses follow Olympic style preparation by focussing their efforts on things that will actually make a positive difference. Both in our personal and business lives, it is all too easy to get caught up with activities that keep us exceptionally busy but might not actually contribute towards achieving our ultimate goals.

In our Business, keeping our focus on critical activities which add value to our customers is

essential. Our environment is as competitive as the Olympic arena and our customers increasingly need our support. With ever challenging budget constraints, it is crucial that we help them to drive innovative and new ways of thinking to maintain and improve transport infrastructure for the travelling public.

We need to work together with our valued supply chain to understand where we can make a difference. We must ensure that we prioritise our resources and invest in these areas, focusing on efficiency and effectiveness in the same way that every support team does behind each athlete on the Olympic podium.

### Speaking Up for Mental Health

Keeping with the Olympic theme, it was inspiring to see Olympic gymnast Simone Biles recognising her need for help and being brave enough to withdraw herself from one of the biggest stages in the world. Events that she had been preparing for, for five years. Similarly, closer to home cricketer Ben Stokes made the same courageous decision to step down from his international career. What great role models these athletes are, clearly showing us all that it is OK not to be OK and raising fantastic awareness of the many challenges that people face. Please do follow their example and speak up if you need help. Keep an eye on your colleagues, friends and family and play your part in removing the stigma around mental health.

### Increased Summer Risks

Over the last two months I am pleased to say that all our people have returned home safely. We have not been able to say this since the autumn of last year and we thank you for delivering a high standard of safety performance. Please ensure that you have had a Summer Spike Briefing and continue to focus on the associated hazards and risks that this time of year brings. No matter what the pressures of the job, nothing is more important than the health, safety and wellbeing of each and every one of you.

I hope you enjoy this edition of STOP Think! Stay safe and have a good month!

John Dowsett  
Managing Director Infrastructure





## Unsafe Working on Rail Platform (No. 148 - 14<sup>th</sup> July 2021)

### What happened?

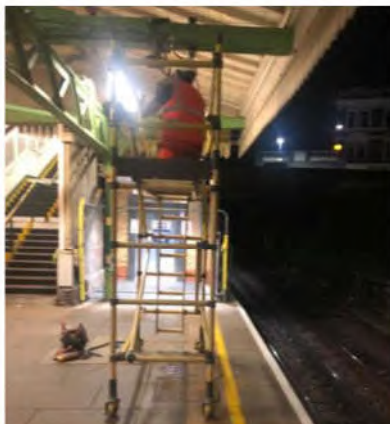
An Osborne supplier attended a London Underground site during engineering hours on 13th July 2021. The works were to test and commission the cameras on platform 2. The methodology was to set up a mobile access tower to access the cameras at greater than 1.25m from the platform edge. The railway line adjacent was not closed to trains. Work commenced to test the cameras – there was 9 to complete and were accessed by the mobile access tower at various locations on the platform. The mobile access tower was moved into position behind the yellow line but within 1.25m of the platform edge. A London Underground Construction Manager noticed the position of the mobile access tower and alerted the Osborne supervisor who stopped the works immediately. It was subsequently noted that the mobile access tower was also not erected in accordance with the manufacturer's instructions. There were no outriggers installed and the end frames of the tower were installed the wrong way around.

### Impacts

- There was potential for the tower to have been adversely affected by a passing train.
- When the tower was being erected, the operative would not have been properly protected from a fall during the task.
- All work at height activity was stopped at this site until the mobile access tower was situated the correct distance from the platform edge.

### Please consider the following points when undertaking similar operations

- ✓ Ensure that an adequate risk assessment is undertaken to manage and control work at height activities.
- ✓ Ensure that where trains are still running, works are set back 1.25 metres from platform edges as a minimum.
- ✓ Yellow platform lines are NOT indicators of being 1.25mtrs from the platform edge.
- ✓ All platforms are to be individually assessed.
- ✓ Ensure that when setting up mobile towers, they are set up correctly by PASMA certified individuals using the manufacturer's instructions.
- ✓ If unsure of how to proceed, stop, think and consult your supervisor or SHE Advisor for guidance.



**STOP Think!**  
Have a conversation!  
Make the right choice the SAFE choice.



## Smoking Related Fire (No. 149 - 27<sup>th</sup> July 2021)

Picture 1 – Location of fire after fire brigade cut the scaffold away



Picture 2 – Area where it is believed the fire started



**This STOP Think! Moment is to share learning following a recent significant incident related to a smoking related fire on site**

### What happened?

At the end of the working day, a security guard was walking site prior to locking up for the evening, when he thought he could smell burning wood. He asked an electrician who was just leaving to help him. They saw smoking coming from between the ground level scaffold and the concrete slab, the fire brigade was called, and the electrician went to get some fire extinguishers.

Whilst waiting they used several extinguishers on the area which contained the fire until the fire brigade arrived on site.

The fire men cut the scaffold away to expose the area and put the fire out.

On investigation there was no obvious ignition source. The fire report stated it was due to a cigarette end blowing from the smoking area (approx. 5m away) between the scaffold and slab with insulation between the concrete, and over time it slowly smoldered and finally started to burn.

### Impacts

- ✓ Due to the vigilance of the security guard and electrician the impact was minor, however the outcome could have been significantly worse, impacting the public too.

### Immediate actions.

- ✓ The fire brigade was called immediately
- ✓ Several extinguishers until the fire brigade arrived

### Lessons

- ✓ An end of shift walk has prevented two fires recently on our construction sites. Each site is to carry out a walk at the end of each day and record these in their site diaries.
- ✓ All sites are to review their smoking area's and make sure they are a suitable distance from any building, in a safe location, with suitable cigarette bins and extinguishers in place
- ✓ The incident is under investigation.



## NON-INFRASTRUCTURE – Fall of Materials (No. 147 - 30<sup>th</sup> June 2021)

This STOP Think! Moment is to share learning after a section of Peri Skydeck fell from the 3<sup>rd</sup> floor on a construction site

Picture 1 – Beam fell from 3<sup>rd</sup> floor



Picture 2 – Operative was located approximately 3m from where the beam fell



Picture 3 – Beam weighed approx. 5-8kg and was 55cm by 150cm



### What happened?

Whilst striking an edge section of the formwork system on the 3<sup>rd</sup> floor, an operative dislodged a Skydeck beam and did not have full control of it and it fell from his grip outside the building to a work area below at ground level, approximately 12m.

The edge beam landed approximately 3m away from where another operative was work breaking down pile caps.

There were no injuries from this incident.

### Impacts

- ✓ Whilst there were no injuries there was the potential for significant injuries to anyone working below.

### Immediate actions

- ✓ The site team started an investigation with the contractor.

### Lessons

- ✓ The incident was not reported to the SHE hotline or SHE team until the following day, which impacts the investigation.
- ✓ No exclusion zone had been established for work at height, in accordance with the method statement and risk assessment.
- ✓ Co-ordination between supervisors had not taken place.
- ✓ The incident is under investigation.



## NON-INFRASTRUCTURE – Home Injury (No. 150 - 28<sup>th</sup> July 2021)

Picture 1 – Photo of the desk



Picture 2 – Horizontal plates supporting the desktop



Picture 3 – Diagramme showing the T5 vertebrae



**This STOP Think! Moment is to share learning after an Osborne employee received an injury at home when kneeling on a desk**

### What happened?

This incident did not take place in the workplace but at home. It has been shared to raise awareness and prevent others potentially experiencing similar accidents and injuries.

The incident involved an oak desk that had two side pedestals, with a central section supported by two horizontal plates mounted under the desk (see pictures 1 and 2).

An Osborne employee knelt with both knees on their desk to reach a blind when the desk collapsed, and the individual fell vertically to the floor landing on their knees.

The injured person was immediately taken to accident and emergency and then transferred to the spinal ward for assessment and is now recovering at home.

### Impacts

- ✓ The injured person sustained a spinal thoracic fracture in the T5 vertebrae, between the shoulder blades, (see Photo 3).
- ✓ This type of injury takes between 6-8 weeks to heal, providing surgery is not required.
- ✓ This injury was from a fall of just 850mm. A fall does not have to be a from great height to result in a serious injury.

### Lessons

- ✓ Never in any circumstances kneel or stand on anything that is not designed for working at height.
- ✓ Serious injuries can be sustained from any height.
- ✓ Check the design and stability of your desks at home and consider adding additional supports. This incident could have easily happened by placing a heavy load on to it.





## The Supplier Satisfaction Survey Feedback – Spring 2021



Thank you for taking the time to respond to our Infrastructure Supplier Satisfaction Survey. Your feedback is crucial in ensuring we identify where we are performing well and where we need to target improvements.

Customer experience is at the core of our business and we are proud that we work collaboratively as one team with our supply chain partners, sharing best practice and developing each other's skills.

### Core Values



### Fair Operating Practices

**80%** of our suppliers believe that we pay them in accordance with the agreed payment schedule



### Equality

**90%** of our suppliers believe that we treat all suppliers equally



### H&S Leadership





# Supplier Satisfaction Survey

August 2021 - STOP Think!



## Considerate

Making a Social & Environmental Impact

**100%** of our suppliers believe that we enhance the lives of the communities we work in

**100%** of our suppliers believe that we are environmentally conscious and caring for the environment

## Integration

**98%** of suppliers believe that we clearly communicate our customer requirements and strategic objectives

**98%** of the suppliers believe that we support their development in line with the aforementioned (requirements and strategic objectives)

## Collaboration

★★★★★ of our suppliers think that we have a collaborative approach to relationships management

**4.19/5**

**93.2%** of our suppliers think that we promote involvement and contribution of Supply Chain to preparing the programme

*"We now get professional and consistent engagement at supply chain level. A willingness to understand our services and to make the relevant links for us within Osborne has been invaluable. The ability for us to forecast and plan is priceless now we have a greater visibility of pipeline etc. The quality of communication and engagement between our two companies has helped us enjoy greater success of late and transmits very positive vibes throughout our workforce."*

## Overall **96.23%**

of our suppliers believe that Osborne's Supply Chain Strategy is heading in the right direction by providing the necessary support, meaningful customer strategic information, and facilitating the development of closer and more meaningful relationships

**98%** of our suppliers believe that Osborne performs the same or better than other main contractors that they work for

### We Listened **1**

Our team are liaising directly with all of those who have put forward a good suggestion or response which was less than satisfactory to address individual cases of where we need to improve.

### We Actioned **2**

**As A Result Of Your Feedback, We Have:** Raised your comments from the survey to the relevant senior member of our team to look into for identifying future improvements, as well as responding to you.

We will now be including further suppliers to both our STOPThink! behavioural change programme and the distribution list of our monthly STOP Think! publication.

### Next Steps **3**

We will continue evaluating your feedback to identify areas where we can make improvements.

You will also see a further survey coming from us very soon – we hope that you will spare 10 minutes to fill this in. Together, your comments are vital in helping us build safer, more vibrant working relationships with everyone.

The survey was conducted by the Infrastructure business unit for qualifying suppliers engaged in the period April 2020-March 2021.



**07971 125 180** 24 hour Infrastructure Advice & Reporting  
 Feedback to: [julie.king@osborne.co.uk](mailto:julie.king@osborne.co.uk)  
[www.osborne.co.uk](http://www.osborne.co.uk)

## Summer Step-Up Briefings – Have you had yours?

Historical data tells us that we see an increase in accidents over the summer period. This can be caused by a number of factors such as people winding down before annual leave, issues with handovers, or from not understanding the changes in site conditions upon their return.

The warmer weather can lead to dehydration, sunstroke and sunburn, the high occurrence of leave can lead to a reduced focus and lack of familiarisation with changes that have happened; and general fatigue.

Hence the Southern Shield have launched their "Step Up for Safety Summer 2021" Briefing.



- Adequate cover
- Clear handover arrangements
- Reduced focus ('wind down')
- Changes whilst you're away
- Briefing on return and re-focus

Recent events have highlighted the need to re-focus and embed learning. We must help and empower our people to take action when something is unsafe - encouraging us all to speak up and challenge unsafe behaviour.



### Summer Precautions - Leave

If you or members of your team are heading off for a well-earned break please ensure;

- You have arranged adequate cover.
- You have clear handover arrangements.
- You hold a briefing upon return, to re-focus and understand changes.

**Please** – Be personally intolerant of safety issues by raising your concerns to ensure that each and every one returns home safely every day.

For a copy of the "Step Up for Safety Summer 2021" Briefings please visit the Southern Shield website;

[Step Up for Safety - Summer 2021 Briefing](#)



## Check Your Tyre Pressures

With the reduced Covid-19 restrictions and schools breaking up, August is likely to see many of us taking longer trips in our cars.

Many vehicles have been used significantly less during the last 16 months and because of this, it is more important than ever to carry out essential vehicle checks, especially where tyre pressure, tread and general condition are concerned.

One in five motorway breakdowns are caused by tyre problems. You are more likely to be involved in a breakdown if your tyres are incorrectly inflated. Hence Highways England have launched their Summer Tyre Checks Campaign;

[Highways England - Tyre Checks Campaign](#)



Correctly inflated tyres are also better for the environment, using less fuel, reducing your carbon footprint, creating less environmental pollution and reducing waste as the tyres do not wear out as quickly.

Why risk spoiling a long-awaited trip by an incident caused by poorly maintained tyres!  
**Before you set off, check your tyre pressure and tread. It only takes 10 minutes!**

### Driving with under-inflated tyres, even as little as 10%;

- Reduces your control of your vehicle, especially in wet weather.
- Makes your braking distance longer.
- Can make your vehicle harder to steer.
- Uses more fuel.
- Shortens the lifespan of your tyres.
- Increases the chance of a sudden blowout.

Your dashboard display may only alert you when your tyres are dangerously under-inflated so don't rely on it!

### SUNBURN. JELLYFISH. UNDER-INFLATED TYRES. 3 THINGS THAT CAN RUIN YOUR HOLIDAY.

Before you set off,  
check your tyre pressure.



highways  
england



## Performance Improvements

### Our Quality Vision

*"Be professional and do a job which everyone is proud of. By focusing on quality, getting all activities right first time we will avoid wasting time and effort. We will seek continuous improvement in our performance and use data more effectively to support decision making."*

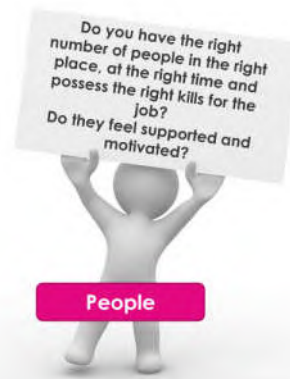


The new Infrastructure Project Quality page is now live in Atlas!

#### BMS -Project Quality Management

This new quality page sets out clearly the steps, templates and guidance for meeting the quality requirements on our projects. This is intended to be simpler to follow and easier to explain to new starters. For any help and guidance on navigating this page and any associated templates please contact Gavin Tidey or Ben Wilcox.

A new video is now available on the Lean Launch Pad and this month the topic is Takt Time. Takt time uses a simple formula to understand the production required to meet customer demand. It is a great tool to use within your collaborative planning.



We have also released a new Lean Poster on "PEMME".

Display this poster on your site to get your workforce thinking differently about "People, Environment, Materials, Method and Equipment" when planning and delivering works.

Visit the Lean Launch Pad or access the video and poster via the links below;

[Lean Launch Pad - Takt Time Video](#)

[Lean Launch Pad - PEMME Poster](#)



## Considering Inclusion in Construction

We are all responsible for creating an inclusive environment. Please take a look at this brilliant guide, written by various contractors and Highways England, focussing on inclusion in construction;

[Guide to Considering Inclusion in Construction](#)



The guide aims to share best practice and promote consistency in approach when considering our interactions with neighbours and communities using and living alongside our projects.

It has some great mitigation tips when delivering works that affect protected groups and focusses on diverse needs in relation to;

- Access/Egress
- Who is being cut off and what from
- Diversions
- Breakdown and recovery
- Construction activities vs time
- Impact on the local road network
- How to communicate and engage

## How to Recycle your Empty Beauty Products



Millions of makeup products are produced every single year in the UK, using hundreds of tonnes of plastic for the packaging.

With a desperate need to minimise the amount of plastic going to landfill, Superdrug have introduced a great initiative to recycle these empty beauty products.

In partnership with Maybelline and Terracycle, empties from ALL brands can be taken to a participating store to be recycled. It's free and easy, and you can recycle anything from foundation bottles, concealer tubes, powders and blushers to mascaras, eyeshadow and lipsticks!

The recycling stations are collected by Terracycle and separated, cleaned and turned into plastic pellets to make new recycled products!

For more information and to find your nearest participating store please click below;

[Superdrug - How to Recycle Your Beauty Empties](#)



## Highways England Net Zero Carbon Plan

Highways England have recently published their ambitious "Net Zero Carbon Plan" that details their actions to rapidly cut carbon from road construction, maintenance and operations, and support the transition to zero emission vehicles.

The plan outlines how Highways England will work with road users, the highways industry and stakeholders more widely, to achieve a net-zero carbon Strategic Road Network by 2050.

This plan supports the Government's Transport Decarbonisation Plan and the 'Build Back Greener' challenge. It is an ambitious plan that aligns with the pace of change set out in the Paris Agreement and takes a three-fold approach;

1. Focusing on the reduction of emissions within their own organisation by 2030,
2. Emissions by their supply base delivering construction and maintenance on the Strategic Road Network by 2040,
3. And how they can support road users to achieve net-zero emissions by 2050.

We all play a critical role in making the shift to net-zero and we will only succeed by working together.

For more information and to read the full net zero plan please visit the Highways England website as linked below;

[Highways England - Roadmap to Net Zero](#)





## Wellbeing Wednesdays

Don't forget to visit the Rail Wellbeing Live website each month for new and FREE bespoke informative materials that focus on improving the physical and mental wellbeing of everyone who works in our industry.

### Rail Wellbeing Live

This month they are focussing on nutrition. The food and drink we consume every day has a profound effect on not only our physical, but also mental health. Hence it is important to know what we should and shouldn't be putting into our bodies.



Wellbeing Wednesday livestreams are hosted on the first Wednesday of each month. They can be viewed live at 11am or later on catch-up. Please do subscribe via the website!

**Whilst it is being delivered in partnership with Network Rail, the content applies to EVERYONE and you are all welcome, regardless of where you work.**

Rail Wellbeing Live  
17<sup>th</sup> and 18<sup>th</sup> November 2021  
Registration opens 1<sup>st</sup> September 2021

## Highways Safety Hub

The latest edition of the Highways Safety Hub Newsletter is now available as linked below;

### Highways Safety Hub - July '21 Newsletter



The Newsletter includes useful links, alerts and news updates and this month has a very interesting article on laptop safety and battery health. Well worth a read!

Please visit the library of briefings on the Highways Safety Hub which also includes much useful information for working on the road network along with all the Highways England Safety Alerts;

### Highways Safety Hub

## The Shield August 2021



Network Rail Southern Capital Delivery recently published their August 2021 Edition of "The Shield."

This month there is an article on the sustainability measures that our team at Liphook Station are taking, from a solar-powered generator to relocation of vulnerable wildlife. It can be downloaded from the Southern Shield website and is linked below for ease;


### The Shield - August 2021 Edition






## Community Engagement at the A46

Along with our Highways England colleagues, our A46 Binley Team recently undertook five days of public information events.



### A46 Binley junction Public information events



We're upgrading Binley junction by building a flyover to separate long distance and local traffic. This means drivers staying on the A46 will no longer need to slow down to use the roundabout, reducing congestion and making journeys safer. We're also improving the footways and cycle paths, making it easier for everyone to stay connected.

This month we're holding public information events so the project team can share updates about how the scheme is progressing and answer your questions. The events will be held in Highways England's mobile exhibition centre which will be parked in the following locations between 10am and 4pm:

27 July 2021	28 July 2021	29 July 2021
Warwickshire Retail Park 1c Kynner Way Coventry CV3 2SB	B&Q, Brandon Rd. Binley, Coventry CV3 2JD	Tesco Superstore Clifford Bridge Rd Coventry CV2 2TS
30 July 2021	31 July 2021	
Binley Woods Village Hall Rugby Rd, Binley Woods Coventry CV3 2AX	Greens Home & Garden Rugby Rd, Binley Woods Coventry CV3 2AX	

Using Highways England's mobile exhibition centre, the team shared information with local residents and businesses on how the scheme is progressing and answered questions on this much needed scheme that will reduce congestion and make journeys safer. The project will also see improvements to the footways and cycle paths, making it easier for everyone to stay connected.

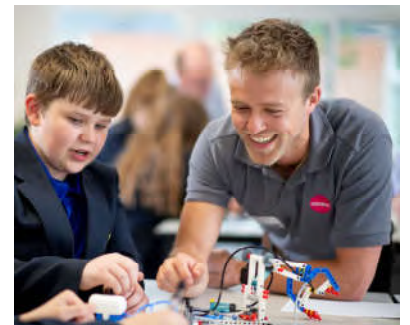
Thank you to all involved in these important sessions that will help all our stakeholders to understand and plan for the temporary changes to the road layout.

## CECA Award for Best Placement

Enormous congratulations to Henry Paveley, one of our sponsored students, who has been awarded the Industrial Placement Award for his work with us on the M27 Road Bridge Replacement Scheme.



The COVID-secure ceremony was streamed live and hosted by Winter Olympics Gold Medal winner Amy Williams MBE.



The CECA Southern Young Achiever Awards recognise our young people for their exceptional performance, talent and commitment and the CECA Southern Chair commented;

*"...Civil engineering provides young women and men with exciting, well-paid and diverse career opportunities and we hope that the achievements of our award winners will inspire their peers to find out more."*







## Graduation Congratulations

Many congratulations to four of our incredibly dedicated people who have recently graduated whilst also managing to work full time through a pandemic;

- **Adam Hinge** – First Class Honours in Construction Management
- **Chris Wyatt** – First Class Honours in Construction Management
- **Nathan Archer** – MSc Distinction in Quantity Surveying
- **Matt Wright** – MSc Merit in Sustainable Development



Matt Wright - MSc Grad IOSH

Your talents are clearly apparent! Studying whilst also maintaining demanding roles is tough at the best of times and you have demonstrated resilience and dedication in achieving such great results.

**Enormous Congratulations to you All!**

## Period 3 GOLD Rated Sites

Congratulations to our teams at Northbrook and New Milton Substations for receiving the Network Rail Period 3 Gold Award.



Our High Voltage Switchgear Renewals at Northbrook Substation project was also the top scoring site for Period 3 in the Wessex Route.

The project is part of our wider package of renewals on the Wessex route to replace the life expired equipment and provide greater reliability to passenger journeys. The site was also chosen to be the top scoring site in Period 2, for their constant high standard of work and adherence to the Covid measures. The team have also received unprompted praise from passers-by for their polite and friendly conduct.

**A massive Well Done to all involved!**

These awards are only given to the best sites across Network Rail - not just our Framework, but across the whole country.





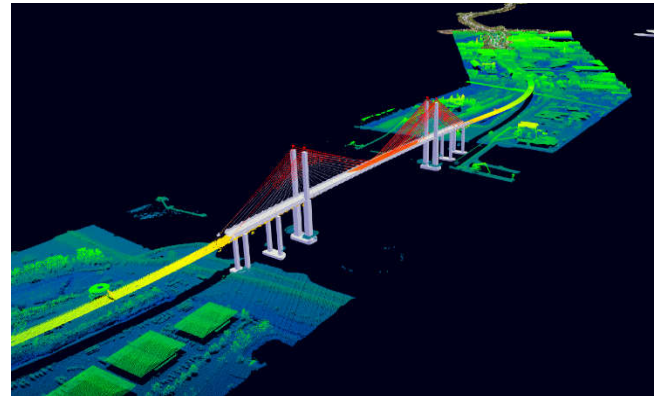
## BCIA Awards – The Finalists

We are pleased that two of the projects that we have been involved in have been shortlisted for Initiative Awards for the British Construction Industry Association (BCIA).

- **Digitising the M25** - Sensat for "Digital Initiative of the Year"
- **Healthier Highways on the M25** - Connect Plus working in partnership with Steve Perkins Associates for "Health, Safety and Wellbeing Initiative of the Year"

Brought to you by the ICE and New Civil Engineer, the BCIA is the most prestigious awards in the built environment sector that seek to recognise and reward excellence in project delivery and, crucially, delivering positive outcomes for society.

These awards also celebrate the hard work and dedication of the whole project team - from clients, architects, designers and contractors.



There are 19 prestigious award categories, all judged by an independent panel of more than 80 expert judges, who ensure integrity and rigour in the awards process. They will be presented at Grosvenor House Hotel on 13<sup>th</sup> October 2021.

Good Luck to All!



## Beautiful Artwork Lines the Underpass New River Bridge Celebrates the Local Flora and Fauna



At New River Bridge the team have been working hard to ensure that every element of the scheme is delivered to the same high-quality as the infrastructure.

Talented local artist Mark Tanti has completed a beautiful mural under the bridge to create a special experience for walkers and cyclists using the route and celebrate the fabulous nature present in and along the New River.

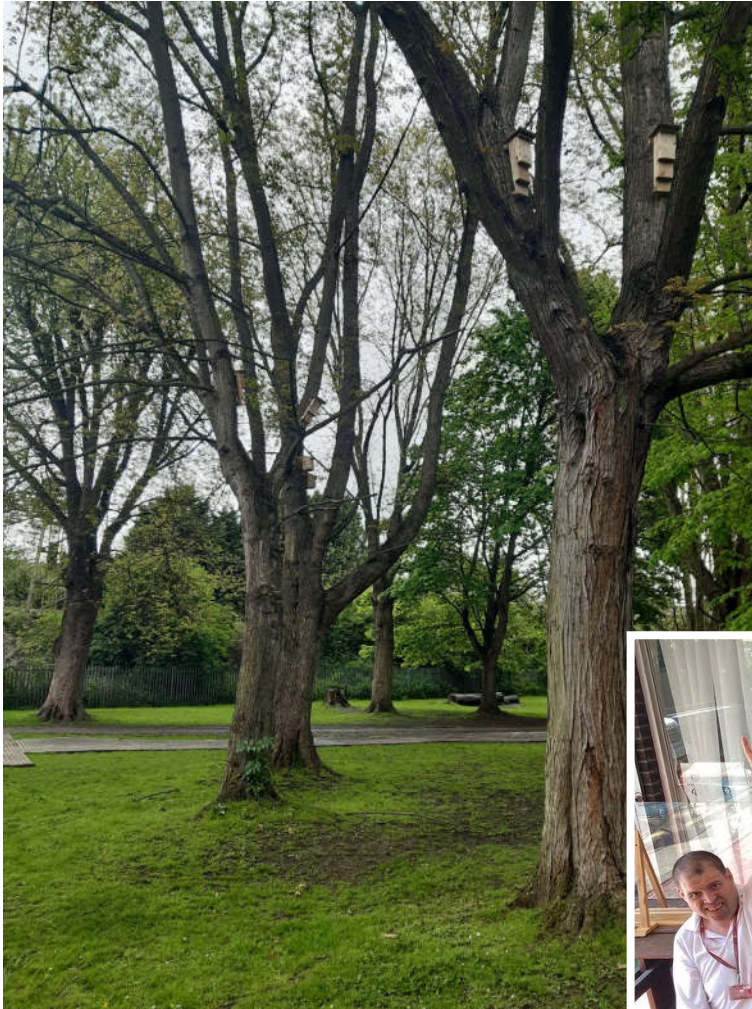
More than 130 new trees have been planted, along with hundreds of square metres of woodland mix planting and wildflower seeding to support and enhance wildlife around the New River Bridge. Even deer have been spotted in the newly planted areas!

### Congratulations and Thank You!

For your enormous efforts in create a truly stunning scheme that will benefit the local community and businesses in so many ways.



## Creating Better Lives for All South Parks Garden Footbridge



Our team at South Park Gardens Footbridge have recently provided very special bird and bat boxes to the local community to encourage more wildlife activity for all to enjoy.

The boxes were made using recycled materials by The Riverwood Project who use woodwork, arts and crafts to improve the lives of adults with a learning disability.

Our mutually beneficial relationship with Riverwood has extended over many years. Riverwood have made Osborne hundreds of their beautiful, recycled products to use within our projects to enhance the communities in which we work.



Created by Greenwich Mencap in 2000, The Riverwood Project is an innovative social enterprise and training scheme which offers work experience and activities to adults with a learning disability in the Borough of Greenwich.

Their vision is to create a world where people with learning disabilities and learning difficulties live life to the full, and through using their lovely products we are delighted to support this fantastic charity. To find out more please visit; <https://www.riverwood.org.uk/about-us/>

**Thank you to all involved in this great community investment initiative.**



## Flourishing Growth for Charity White Hart Junction

Our team at White Hart Junction continue to work tirelessly on this complex junction upgrade scheme, progressing well with both the construction of the new rail bridge and the highways works.

Following a visit from the Leader and Deputy Leader of Swindon Borough Council, and Head of Strategic Transport and Infrastructure, they received great feedback;

*"Many thanks for a fascinating insight and some very useful conversations on our progress and challenges."*

*"Please send our thanks to your team and the contractors for their time, but also for running such an efficient programme."*

*"I would also like to thank you and the team for briefing us and showing us round. It is all really impressive. Well done."*



The flower and vegetable beds are also flourishing thanks to the keen gardeners within the team. All proceeds from selling the bumper crop of delights continues to be donated to charity.

### **Congratulations and Thank You to All!**

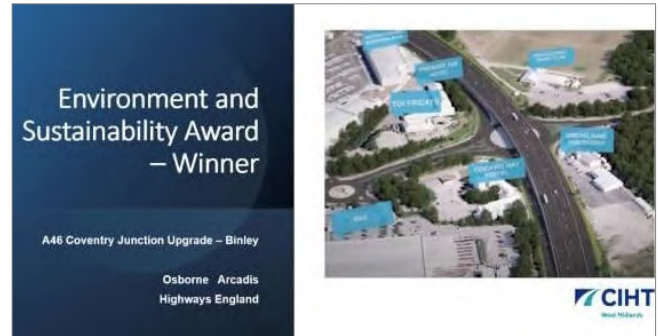
For your incredible commitment to driving this project forward, for finding solutions to constructability issues and still making time to support the local community.





## A46 Double Award Winner attend School for a Day! Inspiring our Young Engineers

Many congratulations to our team at the A46 Binley who have won the Environment and Sustainability Category at the West Midlands CIHT Virtual Awards 2021 for their compound building. Along with HW Martin Traffic Management Limited and WJ, they have also been highly commended in the Innovation Category for trialling Stranded Vehicle Detection in road works.



As the team will be delivering two schemes on the A46 in Coventry, they have built a compound office that will service both schemes, using a Structurally Integrated Panel (SIPs) system from our partner company, Innovaré. The pioneering system of timber panels provides both the form and the structure of the building, also housing high end insulation that can achieve the same energy efficiency as a Passive House.

When compared to the cost of hire for over 3 years, the build costs were negligible, and could even be favourable, depending on how the building is used. Once the two schemes have been completed, the building can be reused to benefit educational or social support organisations such as a school or youth centre, giving back to the community and leaving a lasting legacy for years to come. Other viable options could involve reassembling it for other schemes.



Several members of the A46 project team also recently took part in a work experience day with a local school - Caludon Castle Business and Enterprise School. The team delivered a virtual presentation describing the scheme, and then set a task for the pupils to plan the construction of a new school. Great feedback was received from the teacher who commented;

*"Thank you so much for your team's time, expertise and enthusiasm. The students were engaged throughout the day and commented on what they felt they got out of it: increased abilities in teamwork, communication, problem-solving skills, leadership, planning and logical thinking, as well as an understanding of how jobs have overlapping challenges."*

To read more on awards and progress at the A46, please click below for the July Edition of the A46 Binley Newsletter

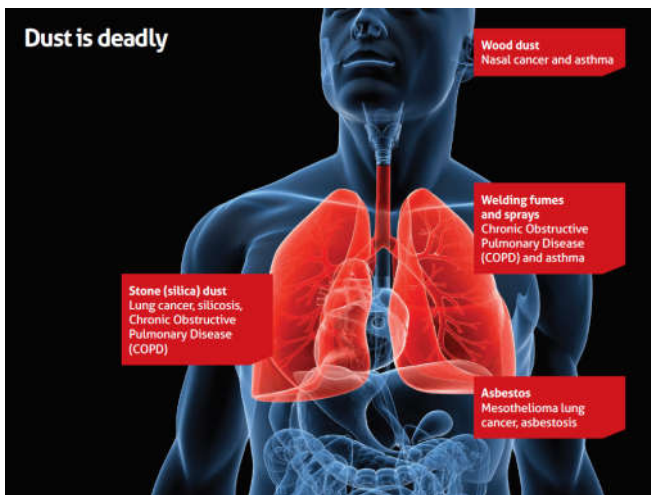
[A46 Binley Newsletter - July 21](#)





## Dust Management and Protection

Our campaign for August is all about dust protection advice and information.



There are three main types of dust that can be generated on site;

1. **Silica Dust** – created when working on silica-containing materials like concrete, mortar and sandstone.
2. **Wood Dust** – created when working on softwood, hardwood and wood-based products like MDF and plywood.
3. **Lower Toxicity Dusts** – created when working on materials containing very little or no silica. The most common include gypsum (e.g. in plasterboard), limestone, marble and dolomite.

Breathing in these dusts can cause damage to the lungs and airways and cause diseases such as Lung Cancer, Silicosis, Chronic Obstructive Pulmonary Disease and Asthma. The amounts needed to cause this damage are not large.

### Facts and Stats...

Did you know that each year **12,000 workers** across Great Britain are estimated to be killed by work-related lung diseases linked exposures to dust?

- Construction is among the **top 5 industries** for deaths in COPD
- Occupational cancers of the respiratory system cause of more than **7,000 deaths a year**
- **16% of adult-onset asthma** cases are caused by dust
- **3,500 occupational cancer deaths** are caused by exposures to dust in construction
- **2,446 mesothelioma deaths** due to past asbestos exposures (2018)
- **15 people** a week die from silica dust exposure in Britain

**Always make sure the necessary precautions are in place to protect your lungs:**

#### Assess the Risks

Linked to the task and materials.

#### Control the Risk

Look at ways of stopping or reducing the level of dust created.

#### Review the Controls

Check the controls are working properly.





High dust levels can be caused by:

- **Task** – the more energy the work involves, the bigger the risk. High-energy tools like cut-off saws, grinders and grit blasters produce a lot of dust in a very short time.
- **Work Area** – the more enclosed a space, the more the dust will build up. BUT - never assume that dust levels will be low when working outside with high-energy tools.
- **Time** – the longer the work takes the more dust there will be.
- **Frequency** – regularly doing the same work day after day increases the risks.

## Control the Risks

Look at ways of stopping or reducing the amount of dust you might make. If still producing high dust levels, the most important action is to stop the dust getting into the air. If exposure cannot be sufficiently reduced, respiratory protection will need to be provided.

**REMEMBER...**  
RPE is the last line of protection.

For more details and advice on how to minimise your risks when exposed to dust visit:-

[HSE Dust Management](#)

**Speedy Intelligent Safety**

# Know your enemies

Asbestos, silica, stone, cement, chemicals, wood, mould, isocyanates, welding fumes and sprays - these particles can kill

- Use tools with dust extraction for cutting or drilling wood, stone, blocks and kerbs
- Use application Class H or M filter dust extraction units, not ordinary vacs
- Use equipment that uses water to suppress dust
- Use properly fitting PPE as a last line of defence

[speedyservices.com/intelligentsafety](http://speedyservices.com/intelligentsafety)

Twitter Facebook LinkedIn YouTube





# Look After Yourself & Each Other



August 2021 - STOP Think!

Protect yourself from deadly silica dust at work. Depending on what you're doing, your employer will tell you which steps to take – and when. You may need to wear a special mask too.



## 1 USE LOCAL EXHAUST VENTILATION

Use a ventilation system to suck the dust away before you can breathe it in. Some workstations have hoods or enclosures

Local exhaust ventilation image courtesy of Pat Sharkey Engineering Ltd  
On-tool extraction image courtesy of Core Cut Ltd



## 2 OPERATE ON-TOOL EXTRACTION

Make sure you use the controls integrated or mounted onto a hand-held tool to capture the dust while you're using it



## 3 DAMP DOWN DUST

Use water to keep dust levels down. You need to use enough water for the whole time that the work is being done. Just wetting the material before you start doesn't work



## 4 WEAR A MASK

Put on a respirator that suits the job – for many tasks, you'll need an FFP3-standard mask or a powered mask or hood if the work lasts longer. Never use a 'nuisance' dust mask – it won't protect you



## 5 GET TRAINED

Understand the dangers of silica exposure, and when and how to use dust controls and protective equipment

Your employer should also think about changing the product or process, for example:

- using a safer material than silica sand in abrasive blasting, like olivine
- getting materials cut to size off-site in a facility where dust exposure can be controlled more easily

## KEEP DUST DOWN

After you've used the right gear and protective equipment, the tiny amount of silica dust next to the coin is the most you should be breathing in a day\*



Silica dust

EVEN A QUICK TASK CAN CREATE DANGEROUS LEVELS OF SILICA DUST – CONTROL EVERY EXPOSURE

SILICA DUST PARTICLES ARE SO SMALL THAT THEY FLOAT IN THE AIR FOR LONGER – AND CAN BE BREATHED DEEP INTO YOUR LUNGS

CONTROLLING SILICA DUST CUTS THE RISK OF LUNG CANCER, SILICOSIS AND EMPHYSEMA



Control dust when you're clearing up after a job – damp down or use an industrial vacuum, and wear your respirator.

According to British law – limits vary from country to country

## Give to Others - Five Ways to Wellbeing

The Five Ways to Wellbeing are a set of simple activities that we can all do in our everyday lives to help find a balance, build resilience and boost mental health and wellbeing. August's way to wellbeing is "Give to Others".

There is strong evidence that giving to others has many positive benefits on our mental health and sense of wellbeing. When we give to others it promotes a sense of trust, closeness and cooperation in our relationships.



Often, it's the little things that can make all the difference. Try "giving" as part of your daily life. It can be a positive step towards living a happier and more fulfilling life.



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[www.osborne.co.uk](http://www.osborne.co.uk)



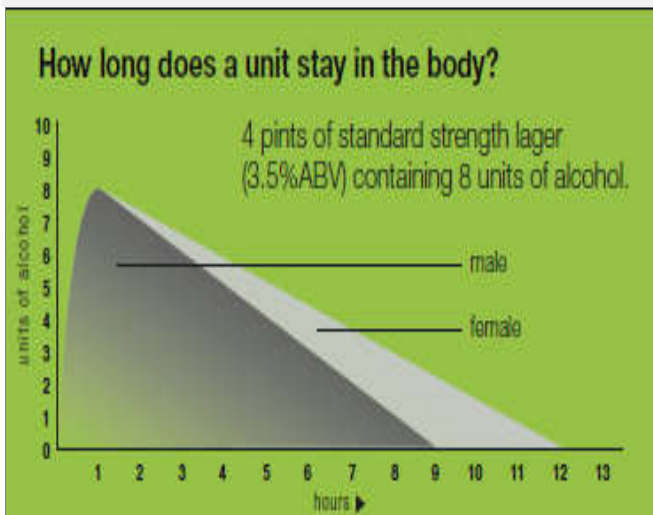
## Driving “Over-the-Limit” the Morning after Campaign

The morning after campaign, has been running for several years, and is designed to raise awareness of the dangers of driving while ‘over the limit’ - by highlighting how long it takes for alcohol to pass through the body.

Please take a minute to look at the “Morning After” website which includes a simple calculator to estimate when the alcohol in the drinks you've consumed is likely to have passed through your body;

### Morning after Campaign

On average it takes around **one hour** to process **one unit** of alcohol, though this can vary depending on a number of factors.



Consequently, there is a real risk that people who would not normally dream of driving after drinking may still be unwittingly over the drink drive limit the morning after.

### Consider the Morning After...

During this season of long sunny days, garden parties and barbeques PLEASE remember to act responsibly and consider the morning after as well as the night before.

**MORNING AFTER CALCULATOR**

- BEER & LAGER
- CIDER
- WINE & CHAMPAGNE
- SPIRITS & ALCOPOPS
- COCKTAILS

The “hours before driving” calculation is not based on any drink drive limit - it is the length of time when we suggest you will be “safe to drive”.

**Please consider what you are drinking if you need to drive the following morning.**

Never put yourself or others at risk by driving impaired. The wrong decision can change lives forever.



## Giant Hogweed Impressive, Invasive AND Highly Toxic

### Key ID Features



Although Giant Hogweed looks like a very large innocent cow parsley plant – it couldn't be further from this.

If accidentally rubbed in the eyes, the sap can cause temporary or even permanent blindness.



The sap of Giant Hogweed contains highly toxic chemicals that react with light when in contact with human skin to cause severe burns.



Dogs are also at risk and can also carry the sap on their fur.

Anyone who strokes their pet could come into contact with the burn-inducing sap unexpectedly.

If you come across this species please fence it off immediately and contact your Site Manager or member of the SHE Team for further advice.  
**DO NOT TOUCH IT!**

**Please read the Toolbox Talk on Page 29 for more Do's and Don'ts.**



## Toolbox Talk - Dust and Air Quality



### Infrastructure Projects Southern Toolbox Talk



#### The Facts

Dust, odours and other emissions can cause health risks, particularly at very high concentrations.

Dust can also damage vegetation and crops and effect on local wildlife and watercourses.



#### What can you do?

- Clean up or damp down any spillage of dry dusty materials
- Store any bulk cement and bentonite in silos, and position silos and stockpiles away from residential areas or watercourses
- Store fine dry materials within buildings or provide adequate protection from the wind
- Ensure cutting and grinding operations are adequately shielded or wetted

#### Why does it matter?

##### It can cause environmental harm

Emission of dark smoke from plant, chimneys and fires is illegal. Dust can damage the ecology of a watercourse and affect plant growth

##### It can delay you project

Regulators have the power to stop works if dust or other emissions are causing a nuisance

##### It's a health hazard

Dust can be carcinogenic and may cause eye irritation or make asthma worse. Odours may cause nausea, dizziness or fainting.

##### We need to respecting our neighbours

Dust can settle on neighbours' properties and vehicles. Poorly controlled emissions and odours from plant or works may lead to valid complaints

#### Do

- ✓ Sheet over lorries carrying dry materials to or from site.
- ✓ Keep to site speed limits.
- ✓ Use a wheel wash if it is appropriate.
- ✓ Make sure dust suppression systems are working and are effective on crushers and screeners.
- ✓ Report and Close Call it if work activities are causing poor air quality.

#### Do not

- ✗ Burn materials on site without approval.
- ✗ Leave plant and vehicles running if not in use.
- ✗

This and other toolbox talks can be downloaded from:  
[www.southernshield.co.uk](http://www.southernshield.co.uk).

For further information please contact a member of your Environment Team



## Toolbox Talk – Giant Hogweed



### Infrastructure Projects Southern Toolbox Talk

#### Giant Hogweed

03 May 2016

#### Did you know?

**Giant hogweed sap contains toxic chemicals which react with light when in contact with human skin, causing blistering within 48hrs**



#### How is it identified?

- The stem starts growing in March/April and is green, but develops dark red/purple spots or blotches during summer. It is hollow, furrowed or ribbed and has sparse spiky hairs
- Leaves are dark green, have deeply cut lobes with ragged edges, can be one metre across and form in a rosette
- Flowers are white, umbrella like and up to 500 millimetres across and appear from June in the fourth year

#### Why does it matter?

- **Environmental harm:** the plant endangers the survival of native plants and this may lead to excessive erosion of soil as the giant hogweed dies back in winter. It can also cause significant harm to grazing animals
- **Prosecution:** it is illegal to plant or otherwise encourage the growth of giant hogweed. This includes moving surrounding soil that may contain either seeds or plant material unless as part of an eradication process
- **Health Hazard:** the plant contains large amounts of poisonous sap that, on contact with the skin and in the presence of sunlight, causes severe irritation, swelling and painful water blisters. This reaction can occur up to 24 hours after exposure to sunlight. Contact with eyes can cause temporary blindness

#### Do

- ✓ Immediately stop all work near to any plant you suspect may be giant hogweed
- ✓ If you come into contact with the sap, cover the affected area to prevent a reaction with sunlight. Wash with soap and water and seek medical advice

#### Do not

- ✗ Enter an identified area of giant hogweed during treatment
- ✗ Excavate or move soil that may contain seeds or other plant material
- ✗ Stockpile material suspected to containing giant hogweed within 10 metres of watercourses, gullies or drains.
- ✗ Move plant through Giant Hogweed

**This and other toolbox talks can be downloaded from:**

[www.southernshield.co.uk](http://www.southernshield.co.uk)

For further information please contact a member of your Environment Team



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## SHE Performance Summary – July 2021

**Improvement Opportunities Frequency Rate (IOFR)** the Current Rolling IOFR is: **3.01**  
(Target of 2.5 per 1000 hours worked)

**Accident Frequency Rate (AFR)** Days since the Last RIDDOR Accident: **163**  
The Current Rolling AFR Is: **0.13** against a threshold of 0.01

**Service Strike (SSFR)** Days since the last Service Strike: **113**  
The Current Rolling SSFR is: **0.43**

**June  
Total Number IOs**  
**353**

**June  
No. Safety, Health &  
Environmental IOs**  
**305**

**June  
No. Business IOs**  
**48**

Reference Number	Incident Date	Project	Initial Incident Description
<b>TM incursions</b>			
11622021-01-06	01/06/2021	A46 Binley	HGV pulled into an active works exit.
11862021-24-06	22/06/2021	Connect Plus – Ford Lane	A member of the public drove into works closure to ask for directions.
12452021-30-06	29/06/2021	A46 Binley	A member of the public drove the wrong way down the closed slip road, emergency stopped ahead of the works and did a U-turn to get away.
<b>Theft</b>			
11632021-07-06	05/06/2021	OTW Hounslow Footbridge	Engineer's car broken in to whilst in hotel car park. Laptop stolen. Nothing was on display.
12402021-29-06	24/06/2021	Bookham Station	Theft of GRP mobile access tower from site during the night.
<b>Other Classification</b>			
11742021-15-06	15/06/2021	OTW Upper Halliford Station	Complaint made about speeding and inconsiderate parking on road near to the project.





## Improvement Opportunities

### July IO Statistics

During the month of July the level of engagement with the IO System has again reduced when compared to the same time last year. The IO panel noted several incidents of people using mobile phones whilst driving. Please remember our Life Saving Rules and never use any mobile device whilst driving.

Improvement Opportunities are critical to our learning culture and to ensuring everyone returns home safely every day. Please do continue to submit your IO's and thank you for recognising the importance of your continued engagement.

### Top Projects in July

- A46 Binley 37
- Gade Transverse Stiffeners 36
- Yeovil Pen Mill North Embankm't 35
- CP6 E&P Northbrook 26
- CP6 IPS SMD Framework 25

### Top IO Originators in July

- Cameron Jones 36
- Ramiya Rajalingam 35
- Jon Blackman 32
- Hakeem Ali 27
- Alastair Howell 17

### Top Suppliers in July

- Network Rail Infrastructure Ltd 7
- Colins Project Delivery (UK) Ltd 2
- Arcadis (UK) Ltd 1
- Deploy (UK) Rail Ltd 1
- Lightening Electrical Instal. Ltd 1
- UKES Rail Ltd 1

### Top SHE Categories in July

- Access / Egress / Site Security 38
- Site Housekeeping 35
- Site Welfare 31
- Design Close Calls 21
- Process/Documentation 21

## Infrastructure Improvement Opportunities

Month	Total No. IOs	Total No. People Raising IOs
May	408	94
June	353	78
July	371	75
How many did your site submit last month?	?	?



## Safety Advice



### Angle grinder chainsaw discs

Issued to: **All Network Rail line managers, safety professionals and accredited contractors**

Ref: NRA21-10

Date of issue: 15/07/2021

Location: National

Contact: [John Watt](#), Senior Engineer



### Overview

It has come to the attention of the Plant Team via the Office of Product Safety and Standards (OPSS) that chainsaw disc attachments have been incorrectly sold for use with Angle Grinders. Due to "kick back" during operation these discs/blades cannot be used safely and can result in serious injury or fatality. This type of disc/blade grips the cutting surface and forces the angle grinder to sharply turn or jump out of the operator's hand.

These products do not comply with the Supply of Machinery (Safety) Regulations 2008 and must not be used.

It is thus mandated forthwith that if any chainsaw discs/blade similar to those in the images above are identified then they must be removed and not used on Network Rail managed infrastructure.

### Immediate action required

- All Angle Grinders shall be inspected to ensure that chainsaw type discs/blade are not fitted.
- Do not use any Angle Grinder that has a chainsaw type discs/blade fitted; use must be stopped immediately.
- Angle Grinder chainsaw discs/blade shall be removed from Network Rail infrastructure and either returned to the manufacturer or scrapped.

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of Safety Bulletins

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## Safety Alert

July 2021

WAINWRIGHT

### Lorry driver Near Miss - Head stuck under tipper body

During a routine delivery of asphalt to a customer, a lorry driver experienced a terrifying situation where he was extremely lucky to escape with nothing more than dented pride.



The driver was working on a customer site while a surfacing gang hand laid asphalt from the back of the vehicle. When the laying had been completed and the body was empty, the driver proceeded to lower the body from full tip.

During the lowering exercise (which was quite slow due to the body being empty) the driver exited the lorry cab to walk around the front of the lorry to the kerbside toolbox located under the body on the chassis to retrieve a paint scraper for tailboard cleaning.

The lorry body design was such that an aluminium skirt around the bottom of the body sat approximately 6" from the side safety impact rail when the body was lowered.

As per the photo, when the driver leaned over the side rail to retrieve the scraper the body slowly came down and trapped him between the two surfaces and resulted in being unable to get his head out.

The surfacing gang had to operate the lorry tipping gear to allow the driver to become free.

#### Outcomes:

- A full investigation was completed in conjunction with the Haulage Company.
- The Haulage Company re-trained ALL drivers in relation to their Company Handbook - in particular, tipping procedures.
- The Haulage Company discussed the incident with the vehicle manufacturer to modify the locations / designs of skirts, toolboxes, controls, etc.
- Internal communications were made around all Hauliers within the Company.
- The driver was offered counselling.

**focus on Risk**

WAINWRIGHT



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## SHEQ ALERT



Reference number:	012/2021	Date	03-06-21
Title:	Fractured ankle injury		

### Overview:

At 2245hrs on the 1<sup>st</sup> June, a TM crew was installing traffic management when they stopped to install a 'Road Ahead Closed' sign, the frame had to be stood on the opposite side of temporary VRS which was located on the verge, the IPV Foreman disembarked the IPV, carried out a visual inspection of the ground on the opposite side of the barrier before proceeding to step over it, when stepping over using his right foot first he stood on what he believed was the ground, as his left leg followed his right ankle rolled away causing a fracture to his ankle, on inspection there was a 4x4 post that was flush up against the barrier and had been hidden by a shadow cast by the street lighting and vehicle mounted task lighting, unbeknown to the foreman when he had first stepped over with his right foot he had stood on the post, when his second leg followed his right ankle rolled off the post causing the injury.



Image shows post against barrier using the flash on the



Image shows the post hidden in the shadow cast by the Streetlighting

### Findings

- A build-up of various items of motorway debris was noticed behind the Temp VRS after the incident, previously unseen during drive by checks of the area.
- The IP was wearing full PPE and his head torch was operational, however his boots were not tied tightly so the Operative could slip his boot on and off thus not giving full support to his ankle, the top eyelets were also not used.

### Lesson Learnt

- Thorough checks must be made regarding foot placement, don't step where you haven't looked.
- If you are unsure an area is safe to working in, STOP & CHECK! (Free to be safe & Safe to Stop principles)
- PPE MUST be worn to the manufacturer's guidance; boots should be laced up with enough pressure as comfortably possible without compromising support to the ankle.
- When working at night make sure personal and task light is suitable for the task been undertaken, extra checks may be needed in areas where shadows are cast.

[March 2021]	[Uncontrolled when Printed]	HS-SHEQ-002	v1.1
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## Safety Bulletin

*A serious incident has taken place*



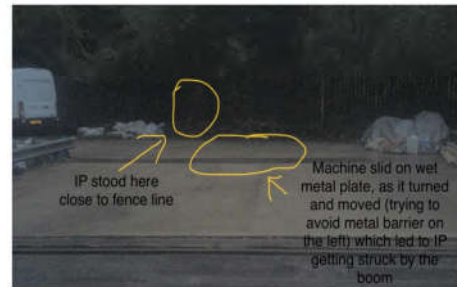
### RRV came in contact with a staff member

Issued to: Southern Region

Date of Issue: 01/07/2021

Location: Ore RRAP

Contact: Orpington DU WHSEA



### Overview:

On Sunday 27 June 2021 a Road Rail Vehicle (RRV) working at Ore access Point came into contact with a member of staff.

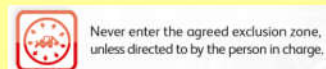
The IP had been directing the team on the movement required for the RRV (PW160 Excavator Crane) at Ore RRAP. The machine was moving ballast bags from the track to an area within Ore Station Car Park. Whilst on the last trip, the RRV turned around to collect more bags when the tyres lost traction, slipping on a metal plate covering a cable route due to the wet and muddy conditions. This subsequently caused the RRV boom to come into contact with the IP's right shoulder. The IP fell onto another employee who was standing next to him with another staff member. They were standing against a fence line which was under a tree as they sheltered from the adverse weather.

As the IP fell to the floor, work was stopped immediately. Fortunately the IP suffered only from bruising to his shoulder. Ice packs were applied to the affected area and after rest in a van the IP drove home. The other member of staff who's the IP fell onto fortunately did not sustain any injuries. The next day the IP attended hospital as he woke up with a swollen shoulder and a headache.

The investigation is currently underway but in the meantime we would like to issue some of the immediate learning points, as this accident might have resulted in a very serious injury.

### Discussion Points

Please discuss the following with your teams:



- How do we plan and communicate exclusion zones that are fit for specific sites? How do we ensure exclusions zones are maintained throughout RRV operations?
- Do you know why exclusion zones are needed?
- Do you know what and where the exclusion zone is for plant working on your sites ?
- How do we ensure Machine Operators / Machine Controllers assess site conditions and identify any risks / hazards for the safe operation of RRV activities?
- How do we manage risks from COVID-19 and adhere to social distancing rules by maintaining 2 metres rule (wherever possible)?
- How do we ensure we all follow the Life Saving Rules around exclusion zones and how do we make sure staff adhere to them by being responsible for their own personal safety and others?

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## Kent Route



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## Safety Bulletin



### Unauthorised Open Line Working

Issued to: Network Rail line managers, safety professionals and accredited contractors

Ref: NRB21-07

Date of issue: 07/07/2021

Location: Newhouse Barton, Western Route.

Contact: [Annette McStein](#)  
Principal Construction Manager



### Overview

On 21st June two track workers were patrolling and checking rail temperatures. They were walking in the 4-foot on a curved section of track without adequate sighting when a train approached. They reached a position of safety just three seconds before the train passed them.

The work was planned in a line blockage with additional protection. But the protection had been refused by the green zone access controller (GZAC). The planner didn't know the team's normal arrangements for escalating refused line blockages; the Safe Work Pack (SWP) was not amended before being authorised by the Responsible Manager and issued to the Person In Charge (PIC).

The location was known to have poor mobile phone reception so the PIC should have used a landline or satellite phone to call the signaller. But those phones had been in use the night before and were on charge in a welfare van, not accessible to the team.

Despite being unable to contact the signaller to arrange protection through a lineside request the two track workers continued with the task without a safe system of work or suitable SWP.

Unassisted lookout working is being phased out across Network Rail in 2021.

This incident remains under investigation.

### Discussion Points

- How do you escalate Line Blockage rejections?
- How do you demonstrate you are responsible for your own and other's safety?
- What can you do to reinforce compliance with the life saving rule that requires plans and permits to be in place before work is done?
- How can you encourage people to use the worksafe procedure, raise safety concerns and feel supported when they do?



## Safety Bulletin

A serious incident has taken place

### Using Reminder of Live Exposed Equipment (RoLE Equipment)

Issued to: **Network Rail line managers, safety professionals and accredited contractors**

Ref: NRB21-06

Date of issue: 02/07/2021

Location: National

Contact: [Martin O'Connor](#)  
Network Technical Head Contact  
Systems AC/DC

### Overview

Following the recent safety alert (NRX21-09) which reported on a person coming into contact with live overhead line equipment, an immediate action has been identified.

The use of Reminder of Live Exposed (RoLE) equipment will be mandated by 19<sup>th</sup> November 2021 under standard NR/L3/ELP/29987, 'Working on or about 25kV A.C. Electrified Lines.'

Reminder of Live Exposed (RoLE) equipment will help to improve electrical safety.

In preparation for this change a briefing has been produced for Nominated and Authorised Persons. The briefing material will be provided to Network Rail and contractor organisations to brief and upskill staff in the safe use of Reminder of Live Exposed (RoLE) equipment, including:

- Where and how to install RoLE equipment
- How to select the correct piece of RoLE equipment based on the type of work being undertaken

How to brief personnel on the presence of RoLE equipment and actions to be taken as a result of its use.

**When you see RoLE Equipment it is time to STOP, THINK and CHECK your Overhead Line Permit as you may be approaching your safe working limits or a residual electrical hazard!**

A designated briefer will brief you if you hold the Nominated or Authorised Person competence. On successful completion of this briefing you will receive a temporary card. The card will be replaced with a formal competence on your Sentinel profile

**RoLE equipment is in use on some sites now and is gradually being introduced across the network with a mandatory compliance date of 19<sup>th</sup> November 2021. Where RoLE equipment is being used, it will be identified on your Overhead Line Permit (Form C)**

All holders of PTS (AC) and COSS (OLP) are reminded that:

- You **must** receive a briefing of the safe working limits of your Overhead Line Permit (Form C) prior to starting work.
- You **must** receive a briefing of any residual electrical hazards present within the safe working limits of your Overhead Line Permit (Form C).
- If you don't understand your safe working limits or residual electrical hazards, you **must** challenge the Nominated Person or COSS (OLP) delivering the briefing.

Network Rail will be undertaking sample assurance checks to ensure that this bulletin has been briefed to all PTS (AC) holders.

### Discussion Points

The use of Reminder of Live Exposed (RoLE) equipment will be mandated by Network Rail on staff and contractors for all OLE isolations to improve electrical safety by 19<sup>th</sup> November 2021.

RoLE equipment (previously known as Demarcation Equipment) may be in use in some areas today.

Do not expect to see RoLE equipment unless you have been briefed that it is in use by your Nominated Person/COSS (OLP).

**Your safe working limits will always be documented on your Overhead Line Permit (Form C)**

RoLE Equipment is an additional reminder to STOP, THINK and CHECK the detail on your Overhead Line Permit (Form C)

**The Worksafe procedure should always be used if you feel safety is compromised.** It is an opportunity stop work, review any safety concerns and restart the work as soon as an agreement is reached. In most cases this will only take a few minutes.

Do you always fully understand the safe working limits on your Overhead Line Permit (Form C)?

*Do you know what a Residual Electrical Hazard is and the actions that should be taken as a result?*

*What would you do if you felt your brief regarding the contents of the Overhead Line Permit (Form C) was unclear or incomplete?*

*How would you check the safe working limits of your Overhead Line Permit (Form C)?*

*What action would you take if you felt unsafe whilst you were working on or around OLE*

*When should you invoke the Worksafe procedure?*

**You can find the Worksafe procedure on Safety Central by clicking [here](#).**

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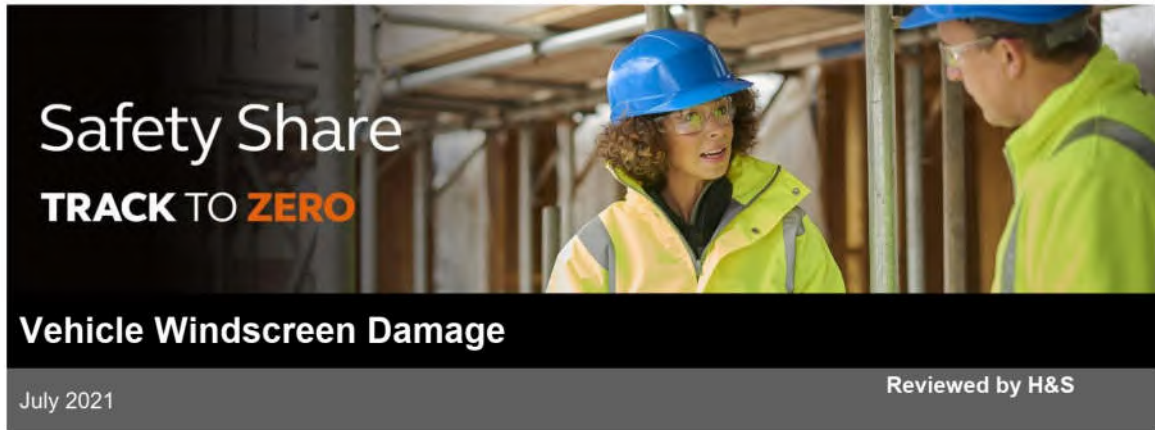
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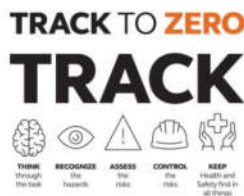


### Incident Description

A high potential near miss occurred when a tanker (which had collected recycled water from drilling activities) became stuck due to ground conditions. In an attempt to extract the stuck vehicle, the site team had enlisted the assistance of the landowner using his tractor. The extraction was not a preplanned event, and no tow rope was available. A decision on site was made to utilize an available 10 tonne ratchet strap. During the extraction, the hook of the ratchet strap failed, and the metal end flew backwards under tension and cracked the windscreen of the tanker. No one was harmed during the incident.

### Contributing Factors

- The compound was designed using compacted 6F5 aggregate. The temporary surfacing had been previously subjected to damage (prolonged rain and heavy traffic use including tracked vehicles).
- Localised ground conditions had been influenced by heavy rainfall prior to the incident.
- Vehicle weight distribution on the axles was automatically adjusted electronically which inadvertently led to reduced traction.
- No documented process was available for the extraction of stuck vehicles as it was perceived to have a low likelihood of occurring.



### Lessons Learnt:

- Do not instruct use of any personnel or equipment or vehicles which are outside of your control.
- Use of Stop Work Authority and have confidence to use this in unexpected situations.
- Only use tools and equipment that are designed for the task.
- Ensure documented RAMS are in place before starting a new activity, carry out a Dynamic Risk Assessment - Think TRACK and ensure effective change management.
- Additional design amendments could have been made to address the localised issues.
- Repairs to high trafficked areas must be in line with the original temporary works design.

Contributed By: Dave Avery - UK&I

### A Real Commitment, A Daily Issue: Safety

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## Safety Advice



### Changes to Hazard Directory

Issued to: **Local safety leads and accredited contractors**

Ref: Local Safety Advice 21-01  
Date of issue: 29/06/2021

Location: National

Contact: [Colin Murray](#), Project Manager, Technical Authority



### Overview

Changes to terminology in the Hazard Directory re use of Red Zone & Green Zones affecting SWP contents

Planners, COSS's and other trackworkers will already be aware that the term Red and Green Zone working was removed from the Rule Book a number of years ago and any reference to Red & Green Zone terminology was removed from NR/L2/OHS/019 Safety of people at work on or near the line in 2017.

However, any text referring to Red & Green zones that still exists in the National Hazard Directory will be bulk updated to remove those terms on 30 June 2021.

The revised terminology, consistent with 019, will now become Warning SSOW and Protection SSOW to replace Red & Green Zone in the Hazard directory.

When the bulk update is undertaken any plans you have produced or subsequently print out will contain the revised terminology.

There will be no need for any of your existing plans (including cyclical) to be re-verified or re-authorised by the PIC & RM respectively if they have already been verified and authorised.

There is no action required by users of the National Hazard Database, the change is automated and will not affect the operation of the system.

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“Thinking **differently**...

Making **better** decisions...

Changing **lives**”