



Highways Safety Hub Team Newsletter

June 2021

Pride Month June 2021

Pride Month is celebrated every June as a tribute to those who were involved in the Stonewall Riots. The community is getting ready to dust off their rainbow flags, douse themselves in glitter, and go join in the fun. With parades, festivals, and concerts going on across the globe, there's always some way for you to get involved — as well as learn some important social history along the way.



Commemorations and memorials are also held for members of the community who have lost their lives to hate crimes and HIV/AIDS. Campaigns and rallies aim to promote and preserve the history and well-being of the lesbian, gay, bisexual, and transgender community.

***** Everyone is encouraged to support Pride in an aim to promote and celebrate a diverse and inclusive society that encourages respect and authenticity regardless of sexual orientation or gender identity. *****

Some Key Pride Numbers :

52% – the percentage of LGBTQ people who've experienced depression recently.

46% – the percentage of lesbian, gay, and bisexual people who are open about their sexual orientation with their family.

4.1% – the estimated percentage of women who identify as LGBT.

350,000 – the number of people in the LGBTQ community that are transgender women.

43% – the percentage of LGBTQ employees who haven't revealed their orientation at work.

10% – the amount of time LGBT workers spend hiding their identities.

Innovation in Hand Protection

Currently McCann are running an initiative on the M27 Smart Motorways Project; introducing new to market hand protection (highly cut resistant, waterproof, and yet thin enough to be highly dexterous), with the aim of replacing standard issue work gloves, to reduce risk of hand injury, improve operative satisfaction, and reduce environmental waste.



Industry standard work gloves are seen as a disposable commodity, rather than as a piece of technical equipment, and as such are often discarded easily, leading to high stock turnover rates, and budget gloves being the go-to option for the majority of contractors.

This means that operatives will often wear work gloves that offer inadequate hand protection, are damaged easily, and discarded daily. On top of this, operatives will often not wear the correct gloves for the task they are conducting, e.g. cutting without cut-resistant gloves, or handling bedding mortar without waterproof gloves.

According to the HSE's Annual Statistic reports for the last 10 years, In the construction industry as a whole, there are around 60,000 Musculoskeletal Lost time injuries every year, of which roughly 20% are hand injuries, and these are just the ones which are reported. That coupled with the fact that Construction operatives are more than twice as likely to develop contact dermatitis, as those working within other industries, it is essential that we take hand protection seriously.

To provide our operatives with the latest innovations in hand protection, we have been working with manufacturer Stalsen, to provide a glove which offers excellent hand protection, without sacrificing dexterity. The gloves in question are 'Rayza' Rx565, which have a protection level of 4X42D, and are waterproof, and yet allow a better level of dexterity than standard issue work gloves (please see Data sheet, right).

After an initial trial we have received excellent feedback from the operatives using the gloves, with operatives commenting on the excellent dexterity, and the durability of the gloves. One operative commented "Tried out these new gloves issued by McCann's and in my view, they are the best gloves we've had! The gloves are strong enough for slabbing, and last a while, and they are also waterproof, so they tick all the boxes for me".

Each pair issued have lasted a minimum of 2 weeks, compared to the standard gloves, which are usually not fit for purpose after 1 day. Therefore, although these gloves cost more than the standard issue gloves, the overall cost to the project is less, whilst simultaneously offering a significant improvement of the level of hand protection.

Integrated Sweeper and Barrier Cleaning Innovation

Current mass barrier maintenance requires a road sweeper and a roadworker following on foot. Mark Bailey collaborated with the supply chain, including Traffix and Damian Sweeps to develop an **Integrated Sweeper and Barrier Cleaner**.

This sweeper (pictured) has a jet wash mounted to the side that cleans the barrier at the same time as it sweeps the road.

The advantages include:

- **Cost:** Avoidance of a full road closure, the staffing associated with that, as well as the cost of the application for road closure, saving around £5k per clean.
- **Time:** six hours per clean is now reduced to 30 mins
- **Safety:** firstly the general risk of injury, specifically hand injury reduction and fatigue, all avoided by removing the workforce having to jet wash. There is also a reduction in incursions as a result of the network remaining open.
- **Environment:** Water reduction from the use of more efficient jets, carbon reduction as the vehicle does not have to wait for any workforce on foot.



“This innovation challenges the status quo; we have worked with the supply chain to develop a solution that improves efficiency, safety, time, money and the reputation of the industry.”

Mark Bailey, TM Manager

Secretary of State for Education visits Operator Skills Hub

Recently, [Gavin Williamson, MP, Secretary of State for Education](#) paid a visit to the Operator Skills Hub in Birmingham.

[The Operator Skills Hub](#) is a 50:50 joint venture between Balfour Beatty Plant & Fleet team and Flannery Plant Hire launched in February and offers training programmes to inspire young people and upskill current plant operators.



With the construction and infrastructure industry facing a massive skills shortage, the Operator Skills Hub aims to encourage new entrants and improve the diversity of the construction and infrastructure sector, by providing operators with the knowledge to deliver modern, digitally enabled projects.

On the day, Gavin Williamson toured the facility and met a number of operators and apprentices and spent time using the state-of-the-art training simulators. This was followed by a lively roundtable discussion discussing the future of our industry, [the new Skills Bill](#) and how we can inspire the next generation of construction professionals.

Post-visit the Secretary of State posted his own video on Twitter endorsing the facility and the work Balfour Beatty and Flannery are doing.

[Watch the Secretary of State's video on Twitter](#)

[Andy Ormerod](#), Managing Director of Plant and Fleet Services, said: "It was great to have a visit and the support of the Minister. With 10,000 operators needed to meet future infrastructure demand we see this as a great opportunity for Balfour Beatty to lead the industry in operator plant training.

"The facility also has a large social value element, helping to create a truly diverse industry based on a foundation of acceptance and respect and motivate new entrants to join the construction industry and develop a secure, fulfilling career path."

Laser Attacks on Plant Operators

Protestors have been targeting workers, particularly plant operators by shining laser pointers into their eyes.



Protesters were even seen climbing trees to overcome hording!








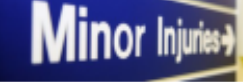

The effects of catching one of these lasers to the eyes is instant, and can cause:

- Temporary blindness
- Significantly reduced sight, which could last several hours
- Sharp pains in the eyes
- Headaches & nausea
- Disorientation
- A combination of these can also lead to panic
- Permanent damage to the eyes



1. Is there protester activity nearby your sites? . . . could this happen to your workers?
2. Using hording or screens as barriers around sites
3. Raising the standard of safety eyewear to one offering protection from laser light emissions
4. Could workers simply conduct their activities by having their backs to protesters
5. Plant cab windows lined with reflective coatings

Get the Right Care in the Right Place

 <p>when it's less urgent than 999</p>	<p>NHS 24 The NHS website includes self-help information and animations for a range of common conditions, for further details please click here. If you think you need go attend A&E, but it's not life threatening, call NHS 24 on 111. If you need same day medical attention that cannot wait for your GP practice to reopen, then call NHS 111.</p>
	<p>Pharmacist</p> <ul style="list-style-type: none"> • Colds • Cold sores • Sore throat • Diarrhoea or constipation • Indigestion • Aches and pains • If you run out of your repeat prescription.
<p>health assured</p>  	<p>Mental wellbeing</p> <ul style="list-style-type: none"> • Contact your GP practice • Call NHS 24 on 111, 24/7, 365 days a year • Samaritans: 116 123 <p>Employee Assistance Programme (EAP) Provide your own company details here</p>
	<p>Dentist</p> <ul style="list-style-type: none"> • Tooth pain • Swelling in your mouth • Injury to your mouth • Painful or bleeding gums • Advice on oral hygiene.
	<p>Opticians</p> <ul style="list-style-type: none"> • Blurred or reduced vision • Flashes or floaters • Eye strain and headaches • Pain in or around your eye
	<p>GP practice Treat all common medical conditions and refer patients to hospitals and other medical services for urgent and specialist treatment. They focus on the health of the whole person combining physical, psychological and social aspects of care.</p>
	<p>Minor injuries unit</p> <ul style="list-style-type: none"> • Cuts and minor burns • Sprains and strains • Suspected broken bones and fractures.
	<p>A&E OR 999</p> <ul style="list-style-type: none"> • Suspected heart attack or stroke • Breathing difficulties • Severe bleeding.

Source : Morgan Sindall

How to Deliver High Quality CPR

FOUR TIPS FOR DELIVERING HIGH-QUALITY CPR

1 Deliver 100–120 compressions per minute

Compress too slow and blood doesn't reach vital organs; too fast and the heart won't fill sufficiently.

A real-time metronome in ZOLL® AEDs guides rescuers to deliver compressions at the optimum rate for high-quality CPR.



2 Compress the chest to a depth of 5–6 cm

Compressions of this depth can carry oxygenated blood to the heart and brain.

ZOLL AEDs provide real-time voice and text feedback so rescuers can meet high-quality CPR guidelines.



3 Continuous CPR with minimal interruptions

Chest compression fraction (CCF) measures the proportion of total resuscitation time spent on compressions. A CCF of 80% has been associated with improved outcomes.¹

ZOLL AEDs feature a CPR cycle timer and prompts that urge rescuers to "Continue CPR". ZOLL AED 3® analyses a heart rhythm in three seconds and can deliver a shock in as few as five seconds, helping to minimise pause times.



4 Fully release between compressions

This allows the heart to fill with oxygenated blood. Incomplete chest releases decrease blood flow.²



When sudden cardiac arrest (SCA) strikes, the heart stops. **Completely.**

The best chance of survival is high-quality cardiopulmonary resuscitation (CPR) that moves oxygenated blood through vital organs until an automated external defibrillator (AED) is available.

• Response time is critical

For every minute that passes without CPR or a shock, probability of survival drops by about 10%. With high-quality CPR, that probability drops to 3 to 4%.¹

• CPR is always necessary

Only 50% of SCA victims will initially require a shock, but 100% will require high-quality CPR to provide the heart with oxygenated blood needed to establish a shockable rhythm.

All ZOLL AEDs include integrated, real-time CPR feedback technology developed to meet the recommended ERC guidelines for high-quality CPR.

¹Weisfeldt M, et al. *J Am Coll Cardiol*. 2010; 55(16):1713–20.

²Uppurella AK, et al. *Adv J Emerg Med*. 2020 Winter; 4(1):e8. doi: 10.22114/ajem.v0i0.147

³Monsieurs KG, et al. *Resuscitation*. 2015; 95:1–80. ercguidelines.ebscoresource.com/europeanresuscitationcouncil-guidelines-resuscitation-2015-section-1-executive-summary/fulltext

Safety Alert Database – All Alerts

Safety alerts etc. index listing – Issue 10 (31 May 2021): The Hag's Tooth

This database contains **2,130** document entries, including SHEQ alerts, bulletins, learning, best practice, guidance and other docs, produced onto an Excel File, that provides links to each document.

Although containing messages that cover S, H, E and Q topics, for ease of reference the database is titled “**Safety alerts etc. index listing**”.

To use the database download the excel spreadsheet to your desktop, enable editing and then use sorting columns to find the information you need.

Please ensure your firewall allows access to Google Drive to view linked alert documents.

How to access

- The latest “Safety alerts etc. index listing”, has been posted on the Highways safety hub web site, nested in the alerts tab page; <http://www.highwayssafetyhub.com/all-alerts-database.html>
- It can be used by opening the Excel File copy held on the web site, or by opening after saving a copy onto your own PC.
- To access individual documents from the links in column “G”, users will need internet access – All documents have been uploaded onto the index listing from a Google Drive account

Trivia note: *Issue 10, containing 2,130 document entries, is referred to as “The Hag's Tooth”*

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The Hag's Tooth, at 650 metres (2,130 ft) high, is a sharp rock spike which is the 193rd-highest peak in Ireland on the Vandeleur-Lynam scale. It is situated in the Hag's Glen beside the Eagle's Nest corrie of Carrauntoohil, and is part of the MacGillycuddy's Reeks in Kerry.

Source: Mr Bob Tootell

Highways Passport Update

The number of companies signing up for the Passport continues to grow with over 730 companies now on-board.

To catch up on the latest news there is a link below to the passport "Inside Lane" newsletter.

Articles in this edition include:

Everything you need to know about the Passport Upgrade

The New Messaging Suite

..... and much more

<https://www.highwaysafetyhub.com/uploads/5/1/2/9/51294565/may-inside-lane.pdf>

Raising the Bar Checklist

This will help check compliance with the guidance by highlighting significant elements. A link is posted below that will direct you to the Highways Safety Hub website where there are also a lot of interesting items. Also consider joining the Twitter group which gives out lots of useful information regarding changes and uploads including the latest safety alerts.

<https://www.gov.uk/government/collections/health-and-safety-for-major-road-schemes-raising-the-bar-initiative>

"The Highways England Passport is now used by over 730 companies and has over 26,000 people on the system.

It has been developed to help the sector both simplify and improve our approach to safety and training. Its success is being shown by both the number of companies and employees that use it."



Malcolm Dare,
Executive Director
Commercial &
Procurement,
Highways England

