

Hub Plant Person Segregation Campaign



Over the recent past in the construction industry there have been many incidents involving plant and people coming into contact. The results are often serious life changing injuries and unfortunately in some case fatal. The risk is the same on Highways England construction and maintenance projects, this sad list of incidents is all too familiar to us all;

- A14** Jamie Burnett suffered life changing injuries when struck by a dumper.
- A21** Dale Pentney died when hit by an out of control HGV, when the vehicles handbrake was not applied.
- M3** Ben Collins was crushed and killed by a vacuum excavator/suction lifter.
- M1** Robert English was fatally struck by a dumper, whilst working on a hard shoulder.

These incidents highlight plant person interface as one of the top fatal risks in the industry. The next health and safety hub campaign starting on 3rd July will run for three months, the first month will focus on this with the introduction of controlled zones which will introduce the idea of the controlled zones so that projects can start using them as part of the planning process. The second month will look at ways of implementing and managing the zones including technology. The third and final month we will be asking projects to review what they have done

and feedback on the approach, how they have been implementing zones and what controls and technology have been used. This feedback will be used to review, develop and enhance the current raising the bar document B3 Plant Person Interface.

Link To Campaign - <http://www.highwayssafetyhub.com/plant-person-segregation.html>

Highways England Safety Alerts.

Safety Alerts – there have been 4 safety alerts issued in the month:
HEi13 – Overhead Cables struck by mobile tower

HEi14 – Lifting Operations

HEi15 – Crushed Finger – Coring Rig

HEi16 – Stamp & Dash Prohibition

These and previous alerts can be viewed here;

<http://www.highwayssafetyhub.com/alerts.html>

Innovative Use of BIM On Manchester Smart Motorway Project

One of our apprentices James Booth working on Manchester Smart Motorway's has created this video; <https://youtu.be/C8VDI0RXpBM> It shows how to enter and exit the work area safely.

This is a great example of using BIM to create simulations to promote safer working.

For more information contact dauids.owens@costain.com



Low Cab Tipper



Cemex are currently adding a number of low cab tippers to their London fleet for moving construction materials around the capital. Cemex are the first company in UK to own and operate the Econic low entry cab tipper, the benefits come from the 90% increased visibility over the standard tipper, and the low driving position which allows eye-to-eye contact with cyclists and other vulnerable road users. These advantages are apparent whilst driving through urban areas; however the whole journey of the vehicle needs to be considered from pick up point to the delivery of the material on site. Due to the design of the low cab truck, it requires the road and access surfaces to be relatively level and in reasonable condition, which is not always easy on construction sites. To encourage the use of this type of vehicle the whole industry need to be committed to enabling this type of vehicle to become the norm in the construction industry.

A video of this vehicle can be seen through the link below:

<http://www.agg-net.com/news/two-more-cemex-low-cab-tippers-take-to-the-roads?>

Send your best practice, alerts and news to philip.farrar@highwaysengland.co.uk

Highways Skills challenge



Highways skills shortage: the ticking time bomb



We are all aware of the huge investment being made in the transport infrastructure over the next decade, the challenge we face is the ability to deliver the skilled professionals and labour to deliver this ambitious programme on the ground.

A survey carried out by Highways England identified that urgent action is required to prevent the skills shortage delaying delivery of UK's "once in a generation" highways investment programme.

The national Infrastructure Plan for Skills has mapped the expertise required against the pipeline of projects; this report highlights an ambitious programme of £411bn of planned public and private investment to 2020 and beyond.

It is estimated the expected growth in the project pipeline would create a demand for over 250,000 construction workers and 150,000 engineering construction workers by 2020. This is an increase from 220,000 and 140,000 respectively from the 2015 baseline. With regards to the roads sector the Government has identified the need to increase the workforce from 47,000 (2015) to 62,000 by 2020. This figure does not take into consideration the steep natural attrition of an ageing workforce.

So what are the key points?

- Investment in the roads is set to increase by 20% to nearly £6bn per annum within the next four years, with a near doubling of investment on the Strategic Road Network (SRN).
- The National Infrastructure plan for skills identifies a road sector workforce shortfall of 15,000 by 2020.
- In the next four years Highways England estimates the need for an additional 12,000 people working across the SRN, more than a 50% increase on the current workforce of 21,000.
- Over half the existing workforce will have retired within a decade.

We face some demanding challenges moving forward if we are to retain our current skilled workforce and further recruit into the industry the right skill sets to enable us to successfully deliver this exciting proposed programme of work.

So how do we meet the challenge, what are the solutions? During the survey a number of popular themes emerged:

- Establishing a national skills academy is the highest ranked initiative but the options proposed did not stand out.
- The need for a clear and stable pipeline of work that allows recruitment and training commitments to be made over a sustained period.
- The industry needs to find a better way of rewarding technical excellence and use collective expertise to innovate and increase productivity.
- The industry needs to present itself as an exciting and rewarding career option and it needs to better communicate what it does and the benefit it brings to the general public
- The industry needs to change its pale, male, stale image.

To read the full survey report use the link below:

<http://www.highways-uk.com/content/huk/docs/hukskillssurvey-2017.pdf>

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Born to be Wild but Careful on Corners



On 18 June the Highways England 'Think' team launched a motorcycle safety campaign at Box Hill in Surrey. The campaign, titled 'Be a Better Biker' targeted at leisure riders in the South East region, this is an area where there are a high number of incidents on the network.

In 2014 there were 420 KSI casualties in the South East, which was 39.9% above the 40% monitoring point. This continued in 2015 when there were 363 KSI casualties; again this was 25.8% above the 40% monitoring point. In 2014, 94 riders of powered two wheelers were killed or seriously injured in the region, this equates to 27.2% of the national figure.

The campaign was targeted at leisure riders, who are defined as those who are riding for pleasure on large bikes (500cc+) and are an older, male audience (35 – 55). It aimed at influencing a change in four behaviours that have been identified to be major factors in motorcycle accidents in the South East. They are:

- IFatigue
- ISpeeding
- IOvertaking
- ICornering

During the development of the campaign the team worked collaboratively with key motorcycle organisations and stakeholders in the region to ensure that effective messages were developed. The organisations shared their views and assisted with the creative element of the campaign. To launch the campaign, Charlie Boorman, TV presenter, actor and a keen biker was there to help launch and promote the campaign.

To find out more about the campaign use the link below:
<http://think.direct.gov.uk/motorcycles.html>

Keeping Your Cool.

As a result of the recent hot spell the M25 CPS have been engaging with the workforce about ways of combatting the recent heatwave, as well as extra breaks, sunscreen, cool water one of the supply chain is also providing cooling towels.

Hot conditions are tough on the workforce and effect productivity. The Chill-its Evaporate Series provides cooling through evaporation to keep individuals comfortable all day long. This cost effective approach helps you stay cool, fight fatigue, and consequently increase productivity.

When looking for solutions we need to look outside our industry and consider the many innovative products that are designed for sports or other environments that could have a huge benefit to construction workers. The M25 are also looking at cooling inserts for jackets, and hard hat sun inserts.



Chapter 8 Part 3

Chapter 8 Part 3 – A letter, dated 07 June 2017, was circulated from Mike Wilson explaining the current situation with the manual. Key Points from the letter are:

- All interim Advice Notes published by Highway England relating to Temporary Traffic management at roadworks should continue to be used as appropriate.
- A Highways England working group has been established. Stakeholder consultation showing proposed changes to TSM Ch8 Pt3, together with reasons for each proposed change will be sent to the RoWSaF technical Project Board consultation list in July 2017
- The working group will collate and consider the responses to this consultation and send the TSM Ch8 Pt3 post consultation proposed changes to all stakeholder for information only by September 2017.

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