

## Hub avoidance of buried services campaign month 3



As we move into month 3 of the avoidance of buried services campaign, our focus is on safe excavation, monitoring and review of systems. Examples of permits, methods of excavation and associated control measures are all useful resources included.

We would like to encourage supply chain partners to send in best practice ideas so this can be shared across the community. To start the ball rolling Highways England have adopted the Utility Services Avoidance Group

(USAG) checklist as the best practice approach for ALL investigations of service strikes.

Other successful ideas that have been introduced include:

- The use of CATs with data logging capability
- Closing permits only when site drawings have been updated to include cable diversions.
- Use of line search before you dig (LSBUD)
- Safe excavation methods including the use of vacuum excavation.

It is intended to launch a web based survey during the first week of month 3 for everyone to give feedback and also to facilitate the sharing of good practice.

We will also be sharing a revised version of the raising the bar guidance covering service avoidance for you to comment on.

You will find the campaign materials here; <http://www.highwayssafetyhub.com/buried-services-2017.html>

### Highways England Safety Alerts.

In May six safety alerts have been circulated  
HE i07 Overhead Cable Strike  
HE i08 Incident Reporting, Investigation  
Communication  
HE i09 Litter Picking  
HE i10 IAN 128/15a Incident Reporting  
HE i11 Hard Shoulder Inspections  
HE i12 Traffic Management Reversing Incident

These can be seen at:  
<http://www.highwayssafetyhub.com/alerts.html>

**Send your best practice, alerts and news to [philip.farrar@highwaysengland.co.uk](mailto:philip.farrar@highwaysengland.co.uk)**

## Temporary traffic management design

IHE's Professional Certificate in Temporary Traffic Management Engineering, including design, enables those working within the highway industry to demonstrate their knowledge and competence in this field.

The Professional Certificate is available to both IHE members and non-members and is also designed to cater for both clients and consultants, principal contractor's supervision staff and TTM contractor's managers. It covers all aspects of temporary traffic management engineering, temporary signing, and other related highway engineering topics.

For the individual it proves competence and highlights personal achievements in addition to the course providing a route to demonstrating some of the required competencies to meet the requirements of the Engineering Council. It is also designed to provide relevant academic learning to those who have extensive practical experience gained from working within the industry but may not have considered a non-vocational course beyond NVQ level 3.

For an employer, this professional certificate is nationally recognised by the published industry guidance as means of providing evidence of having competent design and engineering personnel and provides a method for the company to demonstrate to a client, compliance with the requirements of the GD02/16 Quality Management Systems for Highway Design and the Traffic Signs Manual Chapter 8 part 3 section U.2.7 Traffic Management Designer – Training and Competence.

It also provides a structured training route for engineering professionals working in the industry, or those who have responsibility for supervising or overseeing Temporary Traffic Management contracts, to further progress their personal career development beyond vocational qualifications to potentially being registered with the Engineering Council as an engineering professional and the IHE as a Registered Temporary Traffic Management Engineer. The Professional Certificate in Temporary Traffic Management Engineering is awarded in three grades:

- PC1 Professional Certificate in Temporary Traffic Management at Technician grade
- PC2 Professional Certificate in Temporary Traffic Management at Practitioner grade
- PC3 Professional Certificate in Temporary Traffic Management at Expert Practitioner grade.

All those who work within the field of Temporary Traffic Management Engineering can apply to attend the courses and gain the Professional Certificate, whatever their prior academic background and industry experience.

Tuition is provided at three levels:

- Foundation Award in TTM Engineering leading to PC1
  - Intermediate Award in TTM Engineering leading to PC2
  - Advanced Award in TTM Engineering leading to PC3
- Subjects covered at each level include:
- Highway Legislation
  - Highway Engineering Fundamentals
  - Traffic Data collection and analysis
  - Temporary Traffic Systems
  - Temporary Vehicle Restraint Systems
  - Road markings
  - Supporting technology
  - Temporary Sign face design principles

To gain each Professional Certificate, applicants must on completion of each Award, compile an individual Portfolio of Evidence with a focus on recent workplace projects/work assignments undertaken in TTM Engineering and be prepared to discuss the portfolio at an interview. Face to face assistance is included with the course fees to assist candidates in compiling these Portfolios.

Candidates are expected to progress sequentially from the foundation award through to the advanced award.

Details on the route can be downloaded below.

Candidates who have extensive work based experience or other academic learning, may also be eligible at each stage to complete the Statements of Competence and Commitment to allow an application to be made for registration with the Engineering Council at Engineering Technician (EngTech), Incorporated Engineer (IEng) or Chartered Engineer (CEng) via the IHE.

Upcoming courses can be found at <http://www.theihe.org/events/>

## Road user statistics

The number of miles travelled by car and taxi reached a record high in 2016 - 252.6bn miles, a year-on-year rise of 2%. Car and taxi travel represents 78% of all motor vehicle traffic, which experienced a similar rise of 2.2% to 323.7bn miles.

The DfT stats also show, perhaps unsurprisingly given the rise in internet shopping and subsequent home deliveries, that van traffic experienced the fastest year-on-year growth (in percentage terms) of motorised traffic, rising by 4.7% to a record high of 49.1bn vehicle miles. Having grown steadily for the previous three years, heavy goods vehicle traffic remained broadly stable. However, the 2016 figure of 16.6bn vehicle miles remains around 9% below the peak level seen in 2007.

Bus and coach traffic saw the largest year-on-year decrease of any vehicle type, falling by 7.7% from 2.7 to 2.5bn vehicle miles, continuing the overall decline seen since 2007.

With regard to travel on two wheels, the number of miles travelled on bicycle (3.5bn) increased 6.3% year-on-year, and by 23.4% since 2006. Motorcycle miles (2.8bn) increased 1.9% year-on-year but are down 11% on the 2006 figure.

In terms of road type, motorways carried 67.8bn miles of traffic, 2% more than in 2015 and almost 10% more than 10 years ago. For more information contact: External links:

Access the statistical release via the GOV.UK website - See more at: <http://www.roadsafetyknowledgecentre.org.uk/knowledge/1678.html#sthash.QLhrjdTE.dpuf>

## HSE Consultation on a revised process for considering disputes under Fee for Intervention

HSE is consulting on a revised and fully independent process for considering disputes in relation to FFI. HSE said; 'We are consulting on the details of how the process should operate. In particular, we recognise the need to ensure that the process is accessible to all types and sizes of business and is proportionate to the issues involved and amount of the fees.'

Consultation began on 21 April 2017 and ends on 2 June 2017 and can be accessed here;

<http://www.hse.gov.uk/consult/condocs/cd284.htm>

## Costain Galliford Try - Good practice – Life Vac

Life Vac is a simple life saving solution to helping people who are choking. The LifeVac is a non-powered portable suction apparatus developed for resuscitating a choking victim when standard protocol has been followed without success, including back slaps and abdominal thrusts. The negative pressure generated by the force of the suction is 3 times greater than the highest recorded choke pressure. The duration of suction is minimal so LifeVac is safe and effective. The negative pressure that is generated helps to remove any blockages in the airways when abdominal thrusts have failed to remove the blockage.

<http://www.lifevac.eu>



## Sisk lagan joint venture

Project – A19/A1058 Coast Road Junction Improvements

Client – Highways England

Location – North Shields, Tyne and Wear.

Stop, Make a Change Event 18 April 2017.

The event was mandated by Sisk Lagan senior staff and supported by Highways England together with key subcontractors.

As many of the subcontractors supported the event it was decided to involve them in the day with safety representatives from the companies presenting on topics which they were managing in day to day operations or had specialist knowledge.

As the site was working two shifts it was decided to hold an event between 08:00 – 10:30 for day shift staff and a further event between 19:00 – 20:00 for night shift staff. Due to the numbers expected to attend 4 locations were identified on the site for the presentations:

- Main Mess Room – Introductions and Fatigue (day shift). Presenters Stephen Marshall (SLJV Project Manager) & Chris Todd (SLJV Site HSE Manager).
- Induction Room – Reparatory Illness (day shift). Presenter Stephen Race (Seymour CE HSE Manager).
- Meeting Room 1 – Mental Health (day shift). Presenter Gerry Brown (Colas HSE Manager).
- Recovery Compound – Plant Safety (day shift). Presenter Stephen Egglestone (Owen Pugh Plant Manager).

Due to the reduced numbers attending the night shift all of the presentations took place in the Induction room and were delivered by Stephen Marshall and Chris Todd.

Each attendee was allocated a number between 1 & 4 and followed a route around the site attending each of the

4 presentations which lasted 30 minutes each. 128 people attended the day's event from the following organisations including:

- Highways England
- WSP/Parsons Brinkerhoff
- John Sisk & Son Ltd
- Lagan Construction Group
- Owen Pugh
- Seymour Civil Engineering
- Colas
- Tarmac
- Todd Road Planning
- Core People
- TSCO

Roles represented included directors, managers, plant operators, supervisors, admin assistants, engineers, gangers, general operatives and laboratory technicians.

Individuals were asked for their commitments to improve conditions and their welfare on site and were provided with copies of the Stop, Make a Change commitment register. SLJV project manager gave the following commitments:

1. Impose strict Plant and Pedestrian interface controls
2. Train and allocate mental health first aiders by the end of 2017
3. Control dust and ensure RPE is available and used
4. Monitor travel and working hours, undertake Fatigue Risk monitoring and ensure everyone has sufficient rest periods before shifts.

## Mental health top of the agenda at CEMEX

New Health Essentials highlight the importance of staying fit and healthy and preventing stress. MENTAL health is an issue that is very much in the news at the moment, and is one of the 12 topics in CEMEX's new Health Essentials. It is estimated that, in the construction industry, some 400,000 days are lost each year to work-related stress, anxiety and depression, and in CEMEX this relates to around 15% of all absences.

The company's new Health Essentials highlight the importance of staying fit and healthy, with 'preventing stress' being the current topic of discussion among staff.

On 18 April, as part of CECA's Stop-Make a Change campaign, CEMEX focused on the topic of mental health, and the company has also introduced a training programme for staff to become mental health first-aiders.

'To date, 29 colleagues have attended the two-day course and 19 have attended the Lite course run by MHFA (Mental Health First Aid) England, and this is just the beginning,' said CEMEX's health and safety director, Andy Taylor.

'As we would with a physical injury, we want colleagues who may be suffering with mental health issues to be helped back to full health.

'In safety, we ask colleagues to step in and make a difference, and so it is with mental health. We want everyone to keep an eye out for each other.'

Hayden Gill, operations manager at CEMEX's largest quarry – Dove Holes, in Derbyshire – echoed Mr Taylor's sentiments.

Mr Gill, who will soon be going on the MHFA course himself, asked his colleagues at a presentation on Mental Health to 'Keep an eye out for your mates, don't just go down the pub, get leathered and ignore it. Talk!

It is thought that one way to combat stress is through exercise, and this year's May Day bank holiday saw the start of the CEMEX Pedometer challenge, which encourages staff to get active and take more steps.

2017 is the fourth year of the challenge, which runs for four weeks until the end of May. In the past, CEMEX workers have taken enough steps to walk around the world.



Mental health, top of the agenda in CEMEX's new Health Essentials

© Crown copyright 2017.

You may re-use this information (not including logos) free of charge in any format or medium, under the terms of the Open Government Licence. To view this licence: visit [www.nationalarchives.gov.uk/doc/open-government-licence/](http://www.nationalarchives.gov.uk/doc/open-government-licence/)

write to the **Information Policy Team, The National Archives, Kew, London TW9 4DU**, or email [psi@nationalarchives.gsi.gov.uk](mailto:psi@nationalarchives.gsi.gov.uk).

This document is also available on our website at [www.highways.gov.uk](http://www.highways.gov.uk)

If you have any enquiries about this publication email [info@highwaysengland.co.uk](mailto:info@highwaysengland.co.uk)

or call **0300 123 5000\***. Please quote the Highways England publications code **PR11/15**. Highways England creative job number S170035

\*Calls to 03 numbers cost no more than a national rate call to an 01 or 02 number and must count towards any inclusive minutes in the same way as 01 and 02 calls. These rules apply to calls from any type of line including mobile, BT, other fixed line or payphone. Calls may be recorded or monitored.

Registered office Bridge House, 1 Walnut Tree Close, Guildford GU1 4LZ. Highways England Company Limited registered in England and Wales number 09346363