# The Shied



THE PAPER FOR RAIL PEOPLE IN THE SOUTHERN REGION

**ISSUE 01, SPRING 2015** 



Driven to distraction
Stay safe on the road
NEED TO KNOW
PAGE 6



"It's tough work on a freezing cold day" AT THE CUTTING EDGE PAGE 7





Seen and not hurt A CLOSER LOOK AT PPE PAGE 6

## First Person

John Cox, Managing Director, Rail - VolkerFitzpatrick

IT is a privilege to welcome you to our first edition of *The Shield*, a newspaper for everyone working on infrastructure eliminate incidents and injuries on the rail-way. Only by improving the quality of site conditions, and the approach and behavprojects in the Southern Region.
This is an initiative from the Southern

Shield Steering Group, a group made up of directors within Network Rail and its key

As a Managing Director for VolkerFitzpatrick, I participate in this group to show my ment to making positive changes to iours of our people, are we able to create a

Personally, I am committed to make sure that everyone associated with our work goes home safely. By joining our forces we will deal with challenges and make sure every-

commitment and share this with your col

I will be visiting many sites this year, and I am looking forward to sharing your experiences and lessons learnt. Feel free to take this as an opportunity to challenge me if you believe I'm not delivering on my own

I hope *The Shield* inspires every one of body returns home safely every day. you to make your individual contri l would also urge you to write your own creating a safer railway together. you to make your individual contribution in



The Shield

This paper is produced for

🐿 bam

**BCM** 

CONSTRUCTION

COSTAIN

🖹 HVMS

**M**<sup>c</sup>Nicholas

**OSBORNE** 

**SIEMENS** 

VolkerFitzpatrick

<u>VetworkRail</u>

Written and designed

by beetroot

## **SAFE WORKING GOES DIGITAL**

THOUSANDS of people across the rail industry are being trained to become Safe Work Leaders.

A new competence, the Safe Work Leader (SWL), is being introduced to make sure that everyone working on or near the railway is always clear about who is in charge of the work

SWLs will be highly competent employees of Network Rail, principal contractors or holders of the newly created Railway Contractors Certificate (RCC), who are trained and equipped to be responsible for identifying and managing risk on any site of work. Already more than 650 people have been trained as SWLs by Network Rail with thousands more to follow.

The SWL training is part of the wider Planning and Delivering Safe Work programme,

part in SPEAK UP for Safety briefings. Designed to give better feedback on which

done well and safely

sions included an open floor discussion for

It was also hoped the briefings would spark

These were just two of the points made by

olleagues in a survey carried out across If

outhern. Feedback also revealed that some

colleagues felt that long hours and constant

deadlines were affecting wellbeing, while oth-

ers felt it was difficult to raise safety concerns

tober last year, was open to all people working

within the Southern Region. More than 1,500

Managers' care and concern does not ap-

backed up with 68 interviews

Other feedback suggested that:

The "culture survey", which was held in Oc-

**SPEAK UP, STAY SAFE** 

sites across the region have been taking tackling health and safety issues.

further Safety Conversations and encourage keep everyone safe every day."

SURVEY REVEALS THE GOOD,

THE BAD AND THE FRUSTRATING

to make safety improvements, briefing ses- from the engagement sessions and Safety

colleagues to discuss any issues and concerns. ings are about us all having the best under-

PEOPLE enjoy working on the railway but feel there could be more recognition for jobs • Safety statistics are viewed as meaningless, and don't hold people's attention

people responded to the survey which was 🛾 way a better and safer place to work. Having

aimed at improving worker safety for everyone in the railway industry.

As part of this, a new electronic "permit to work" system called Proscient will provide colleagues with better tools to identify and manage the risks that they face.

This key safety initiative is designed to help practically deliver Network Rail's vision to get everyone home safe everyday".

Among Network Rail colleagues at one recent SWL session were signalling technicians Leon Stockley and Matt Hewitt.

Matt added: "The new system eliminates error in the planning process and actually stops plans conflicting. It takes away that problem which was a common issue before. That's better for everyone.

Leon said: "I've found the training really useful. I think it's about time we embraced the digital age. If it makes our working day safer, it can't be a bad thing."

Regional Health and Safety Manager,

Stephen Webber, who is collating feedback

Conversations said: "Ultimately these brief

standing of the issues people face, so we can

• Up to 50 per cent of incidents or close calls

Eric Woodward, who organised the survey said:

"Thanks to everyone who took part in this sur-

vey for your open, and often very frank, feed-

back. Only by being honest about our current

safety performance can we hope to identify

the changes that are needed to make the rail

studied your comments and suggestions, I

believe that there is now a genuine commit-

ment by your senior management team to mak ing the right changes so that everyone gets

Email safework@networkrail.co.uk

### **LEADERS MAKE 'HOME SAFE' PLEDGES**

To show their commitment to Southern Shield members made the following pledges...

"I will not accept any lost time injuries on projects under my leadership. I will enrol my direct reports in committing to this, and I will create an environment that ensures everyone goes home

Jonathan Walley, Managing Director, **McNicholas** 



guiding his future."

John Dowsett, Managing Director,



'I will make a difference by driving through real improvements to the working environment my teams are exposed to. In doing this, I will demonstrate my commitment to everyone going home safe every day, and I will be able to set a realistic expectation of eliminating workforce

**Shane O'Halloran, Managing Director, BCM** Construction



'I will be seen by others as a role model for safety entitling my people in the belief that 'everyone gets home safe every day' will become reality and thus make a step change in safety performance. I will challenge myself to answer the question "have I done all I can to eliminate all worker injury?'

**Andy Duffin, Anglia Regional Delivery Director, Network Rail** 



and to the welfare of their colleagues - group

'I will be as committed to everyone going home safe everyday as I am to protecting my son and

**One Team Wessex** 







...project. Foreman Mick Glover from contractor VolkerFitzpatrick said: "Good communication between the team, subcontractors and the public was vital, especially with so much going on. It was very challenging at times but a great feeling seeing it completed safely and watching that first train go across."

Works manager, Shane O'Hare, added: "The key to getting the work done safely and on time was making sure everyone was properly briefed and that they stuck to doing things the

The skew of the bridge meant parts of the downline had only a 10mm tolerance, putting pressure on site engineer Stuart Wavell to get things spot on first time.

He added: "It all went well – and that was down to very good planning – but there was big sigh of relief when the bridge was

"Working at height, I was very aware of ensuring I was safely harnessed when necessary. It was important that I kept a look out for others' safety too."

Scheme project manager Mike Crossling said the team had shown "great safety leadership"

The Tottenham bridge was just one of several major projects carried out over the winter, which combined high performance and first class safety.

In Kent, specialist rope access skills and innovative engineer

ing techniques helped Costain contractors protect part of the

The 1.500-metre stretch of line at Samphire Hoe, has a long

history of rock falls, so subcontractor CAN is stabilizing sections

of the cliff with over 2,500 square metres of protective mesh,

secured by 350 mesh dowels and reinforcing rock bolts. Catch

fences are being installed along the lower parts of the cliff face.

Exposed to high winds on the cliff face and with the risk of

To help reduce the risks but maintain progress, a daily rock

fall monitoring system has been put in place, while specialist

slope climbing rigs are being used to complete the works with-

All of which have meant the programme has remained on

CAN project manager, Max Lloyd said: "The attention to de-

tail and willingness to carry out tasks in the correct manner first

time, by the team at Samphire Hoe, has ensured high productiv-

railway beneath the iconic White Cliffs of Dover.

rock fall, it is a hazardous place to work.

out causing disruption to rail traffic below

schedule, with an impeccable safety record.

exposed and potentially very dangerous worksite."

hour possession

#### **MARATHON EFFORT**

ity while maintaining an exceptional safety record in what is an

The safety of operational teams and the public, as well as maximising productivity were also the twin priorities for McNicholas, when delivering feeder and pilot cable at Cobham in Surrey. In order to achieve both, a cable train was used, resulting in more than 26 miles of cable being installed safely, during a 26-

The work involved in excess of 200 operatives over the weekend, and followed months of careful planning.





## THE MOST IMPORTANT THING I LEARNED...

"YEARS ago when I worked for a utility company, I would frequently drive to and from remote locations, often up to four hours a day. At the time my baby son wasn't sleeping through the night, and my own sleep pattern was interrupted.

"My concentration, judgement and alert-

ness were impaired and one afternoon this very nearly resulted in a collision with an HGV on a guiet country lane.

"After the shock subsided I reflected on what might have been; for myself, my family and the HGV driver.

tiredness, and I had known for weeks that I had passed my limit, Looking back at the incident it taught me a very valuable lesson – to respect the amount of rest the body and mind need.

John is a Senior Project Manager

work, added: "The team can see the effort that

goes in to looking after them and that rubs off or

the way they approach their own safety and the

areas reduce the need to go off site and remove

the temptation to try using the phone while walk-

ing around."

The Shield visited a bridge replacement project in South Norwood where colleagues who have a passion for keeping things shipshape showed us their...

# SEVEN SIGNS OF A TIDY SITE



followed. At this site they not only ensure expired

items (such as single-use straps) are identified and

kept apart, they also take extra care to salvage

reusable materials

# Safety in numbers

In the Southern Region in 2014 there were:

113 (accidents

**L7** 

**RIDDORs** 

That's **130** 

people who did not "go home safe"

There were also

64

operational close calls

4,183

close calls reported



we are doing the right thing for the environment.





### THE diagnosis that changed And Gore's life came in 2010.

He had put feelings of tiredness, thirst and headaches down to simply being under the weather.

But after a colleague recognised the symptoms, and encouraged him to get tested, he discovered he had type 2 diabetes.

"At the time, I was devastated," said Andy, a construction manager for BCM. "I was in my late 30s and had thought I was quite healthy."

But four years on, the lifestyle changes Andy was forced to make have left him feeling better, fitter and thankful that the condition was

He added: "I've cut out sugar and cut back on alcohol, I've lost weight and now I read every label in the supermarket for the sugar content, which can only be a good thing. I'm looking after myself and I feel better as a result."

Luckily Andy's condition is such that he can control it with tablets and healthy eating, rather than depending on insulin injections. He urged colleagues not to take any chances with their own health.

He said: "If you've got any of the main symptoms (see panel), then get checked. It doesn't cost anything and it could change your life."

#### **DIABETES FACTFILE**

Diabetes is a condition where glucose levels in the blood are too high because the body cannot use it properly. This is because the pancreas doesn't produce any insulin, or not enough insulin, to help glucose enter the body's cells.

Type 1 diabetes is where there is no insulin, type 2 is where there is not enough insulin or it is not working properly.

#### The main symptoms include:

- passing water more often tha usual, especially at night
- increased thirst
- extreme tiredness
- unexplained weight loss
   slow healing of cuts and
- wounds

For more information, and a sim ple test to see if you are at risk visit **diabetes.org.uk** 







## GLASS ACTS

IN each issue of The Shield we'll be handing over a pair of these smart safety glasses to colleagues who have made an outstanding contribution to safety where they work.

Made by Bollé, the specs are Network Rail approved and come with a smart

Among the first to receive their safety glasses was David O'Conner, who works for SRS installing sleepers at Clapham Junction. He was praised for the way he briefed colleagues, emphasising the dangers of the third rail and ensuring they witnessed the testing of every single piece of live rail within the worksite.

Jared Ismail, a COSS working at Vaux-

hall, recognised that he had too many operatives to cover. He was not afraid to speak up and ask for another COSS to be utilised so he could ensure he was effective in his duties.

Another Vauxhall colleague, Osborne supervisor Matt Brent, earned a pair of shades having been described by his manager as having a "positive attitude" to safety awareness.

Has your colleague made an outstanding contribution to safety? If so get in touch... shield@networkrail.co.uk

## KIT IN CLOSE-UP

What you wear – and how you wear it – can be the difference between a job well done and a serious injury. In each issue we'll focus on one piece of PPE and reveal some of the science behind the safety

### **HAND IN GLOVE**

IT'S easy to take our hands for granted. But because we use them for almost every task, they are constantly exposed to

There are different gloves for different tasks, including those which are flame retardant. And from November last year it became compulsory for all gloves worn for work on IP Southern projects to be rated "Cut 5".

"Cut 5" refers to the glove's level of resistance to a blade cut as measured to comply with European safety rules – specifically the EN388 Standard. EN388 requires gloves to be scored on a scale of 1 to 5 for blade cut resistance (with 5 being the highest score).

Blade cut resistance is measured using material taken from the palm of the glove and subjecting it to repeated cutting motions from a rotating tungsten steel circular blade. Two specimens are used and each one is tested five times.

#### **DID YOU KNOW?**

There were **25** hand injuries in first **six months** of the year in 2014, but only **3** hand injuries since the introduction of **Cut 5** gloves in October last year.



# NEED 1 TO KNOWDANGEROUS TALK



USING a hands-free kit while at the wheel is as dangerous as drink driving, according to a study. Researchers found that talking into the phone, whether hands-free or hand-held, drivers are:

9%

slower hitting the brakes, when using a hands-free phone

24%

more variable in the distance they kept behind the lead car

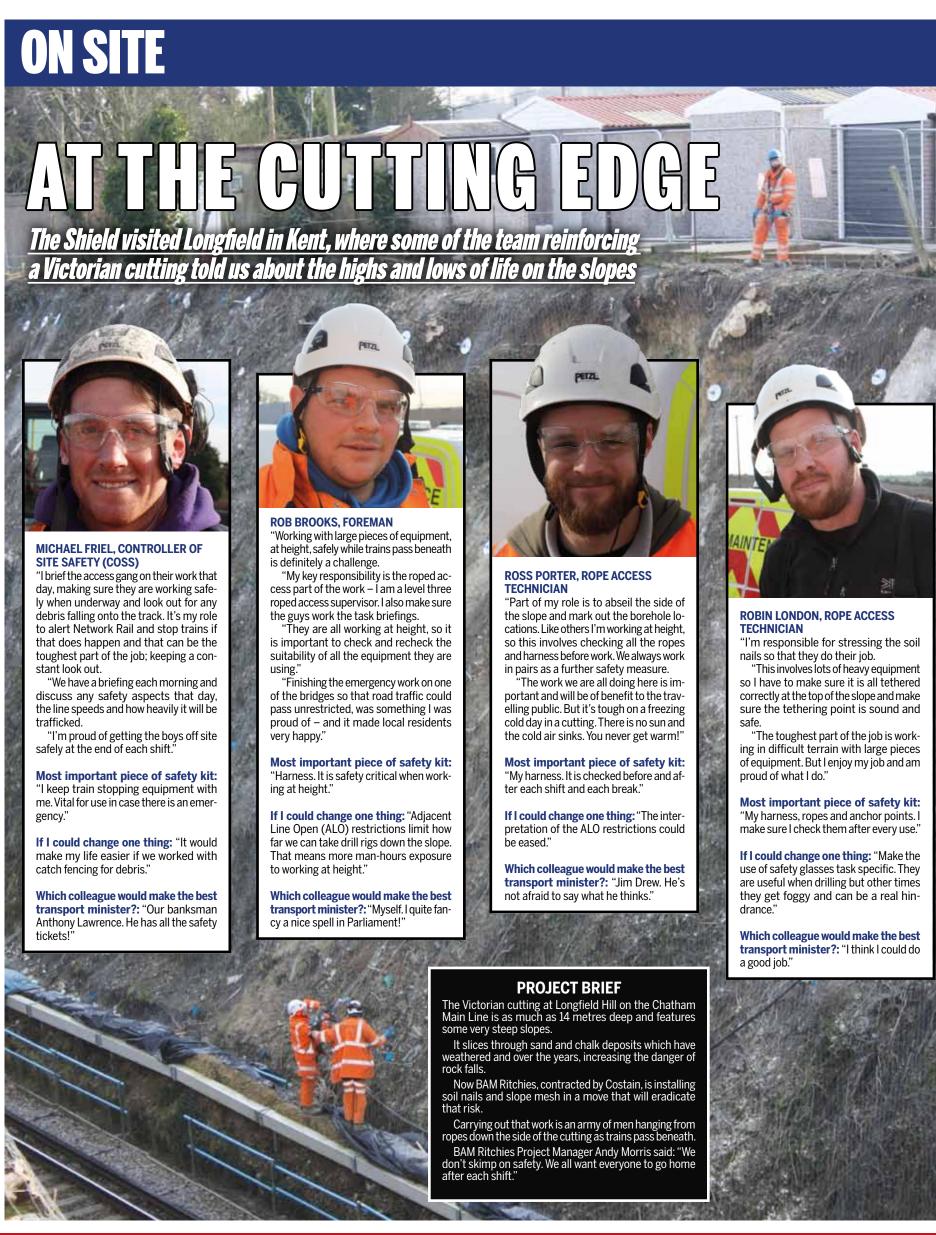
19%

slower resuming their norma

The same study concluded that in the same way that you put yourself and others at risk when you drive drunk, you also put yourself and others at risk when you use a hands-free or hand-held phone.

Never use a hand-held or hands-

Never use a nand-neid or nandsfree phone or programme any other mobile device while driving. It's a Lifesaving Rule, so pull over and stop before you take a call.







SAFETY is always at the forefront of any project, but as Ian Fry can attest, that wasn't always the case.

lan is retiring as IP Southern Wessex Route Delivery Director, after a distinguished career on the railway. But his first experiences of the importance of safety came while he was working on building sites.

"At the time, there wasn't a huge emphasis on using PPE," Ian said. "Some people may have had a hat or boots but that was about it.

"Instead of using a ladder to traverse scaffolding, you would often climb it – something you would never dream of doing nowadays.

"During my time on the site my friend had a lucky escape and I was fortunate not to be seriously injured when part of an unsupported scaffold collapsed three stories up.

"There was no real culture of reporting accidents either; neither incident ever got reported."

lan then joined London Underground, before joining Network Rail in 1996 as a programme manager, later working on the Train Protection and Warning System (TPWS) programme.

"When I first joined the programme, there

was very little interest in it," he said. "That all changed following the Ladbroke Grove accident in 1999, when safety was thrust into the limelight."

After three years on the programme, lan joined the Southern power upgrade project, supporting the introduction of new trains to the network.

"It was during this project that I started to see safety become a much more front-of-themind activity.

"We were, however, struggling to find a venue to brief the workforce. So we created the

first 'safety bus'. They are now used all over the country."

lan managed the King's Cross redevelopment project, and during this time worked as part of the team investigating the 2010 Tay Bridge fatality.

Although he will be taking some time to relax, lan will still continue to lend his expertise to the railways: "I certainly hope that I can continue to have an input into safety, but perhaps from a different dimension.

"Safety is always improving, so I expect to see safety culture continue to improve".

# WIN A FAMILY WEEKEND BREAK AND-THEME PARK ADVENTURE



ENTER our competition and you could be enjoying a two-night country hotel break in south Wales, as well as a day out for the family at one of Wales' biggest adventure parks.

The Shield has a two-night stay for two adults and two children at the Wolfscastle Country Hotel, plus there's a family ticket to the nearby Oakwood theme park included in the prize.

Wolfscastle Country Hotel is a former vicarage nestling in the lush mid-Pembrokeshire country-side. The hotel is still known locally by its original name 'Allt yr Afon', which means wooded hill by the river. Renowned for its friendly atmosphere and great service, Wolfscastle is a member of Welsh Rarebits gold collection of individually owned hotels of distinction. It was also awarded two AA rosettes for culinary excellence in its popular restaurant.

Oakwood is Wales' biggest family adventure, set in 88 acres of spectacular countryside with more than 40 exhilarating rides and amazing experiences to discover.

Don't miss Megafobia – voted the best ride in the UK and the third best ride in the world by the Roller Coaster Club of Great Britain. You can also enter the magical world of Peter Pan in the £4m family-themed area, Neverland, which spreads across more than three acres and features 10 new rides and attractions.

For more information visit wolfscastle.com and oakwoodthemepark.co.uk

To enter just send your answers to the questions below, including your name, job title and company and a daytime contact number to shield@networkrail.co.uk. You can also post your entry to: Marsha Gray, Infrastructure Projects Southern, Waterloo General Offices, Waterloo Station, London, SE1 8SW.

The winner will be drawn from the correct entries. Closing date is Monday 13 April 2015.

Q1: CAN has been protecting the railway from rock falls at which famous Kent landmark?

Q2: Which rating of glove became mandatory for work on IP Southern projects in 2014?

Q3: What is the name of Network Rail's new electronic "permit to work" system?

#### T&Cs

Hotel prize is for two adults and two children (12 or under) sharing to include breakfast each morning and dinner up to the value of £100 (excluding drinks) on one night. Theme park ticket is for two adults and two children 12 or under.