

# September 2018 Summary Health & Safety Performance Report

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## Executive Summary

### Accident Frequency Rate (AFR) Overview:

The **Major Projects 12 month rolling AFR** to September 2018 remained at **0.05**.

There was **1 RIDDOR** accident reported in September 2018.

**1 RIDDOR** fell out of the scope of the rolling AFR calculation.

The in-month AFR was **0.07** and the net 12 month recorded hours increased by 2.57% (13.1m to 13.4m).

The **Operations 12 month rolling AFR** to September 2018 remained at **0.11**.

There was **1 RIDDOR** accident reported in September 2018 and **1 RIDDOR** reported late from August 2018.

**2 RIDDORS** fell out of the scope of the rolling AFR calculation.

The in-month AFR was **0.05** and the net 12 month recorded hours decreased by 0.788% (20.3m to 20.1m).

The overall **Supply Chain 12 month rolling AFR** to September 2018 remained at **0.09**.

There have been **11 RIDDORS** year to date (April) and **29 RIDDORS** in the rolling 12 month period.

**3 RIDDORS** fell out of the scope of the rolling AFR calculation.

The in-month AFR was **0.06** and the net 12 month recorded hours increased by 1.644% (33.4m to 33.9m).

### Incidents Reported:

There were **3 RIDDOR** accidents reported in September 2018, 1 of which was reported late from August

### Site Inspections:

There were **36** inspections carried out in September 2018 by the H&S Division, **17** in Major Projects and **19** in Operations

### Fatality Data:

The National Incident Liaison Officer (NILO), media and police reports provide information on the number of fatalities on the strategic road network. These data sources indicated that there had been 16 fatalities on the Strategic Road Network

# Accident Frequency Rate Overview

All data included within this report is up to date as of 4th October 2018. This performance report is provided to assist the Board and Executive to fulfil their leadership and management responsibilities in respect of health and safety. All incidents within the report have been reviewed by the Health and Safety Division.

Table 1 Month and 12 month rolling incident data

Area	AFR Target	AFR Actuals (rolling 12 months)	AFR for month	Fatality	RIDDOR Specified Injury	RIDDOR > 7 day injury	RIDDOR Disease	Total RIDDOR Reportable	RIDDOR Dangerous Occurrences <sup>1</sup>
Major Projects	0.06	0.05	0.07	0 (0)	1 (3)	0 (4)	0 (0)	1 (7)	0 (0)
Operations	0.06	0.11	0.05	0 (0)	1 (11)	0 (10)*	0 (1)	1 (22)	0 (1)
<b>Supply Chain Total</b>	0.06	0.09	<b>0.06</b>	<b>0</b> <b>(0)</b>	<b>2</b> <b>(14)</b>	<b>0</b> <b>(14)</b>	<b>0</b> <b>(1)</b>	<b>2</b> <b>(29)</b>	<b>0</b> <b>(1)</b>

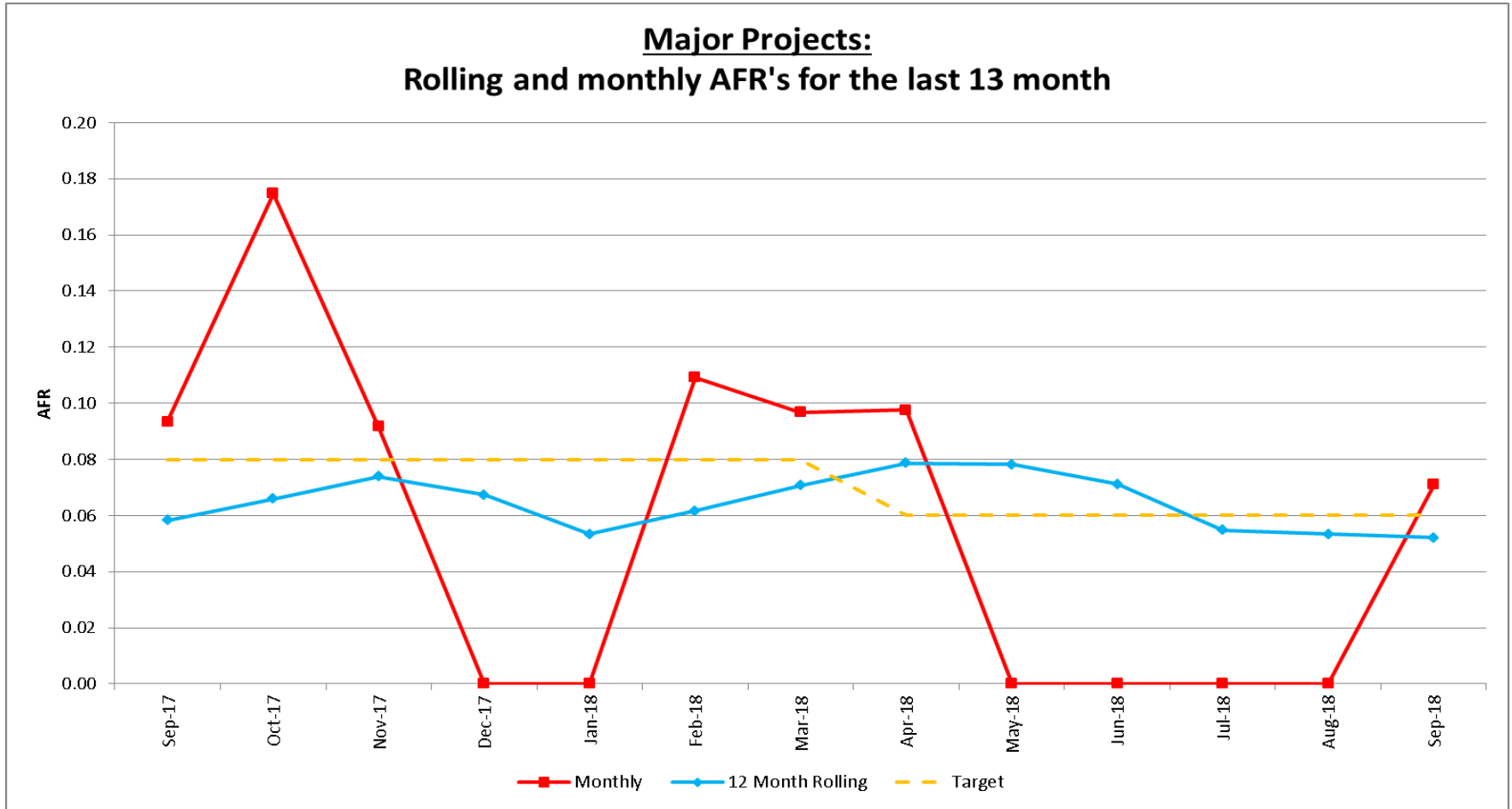
NB: The data recorded in **(brackets)** is the 12 month rolling data. The content of this report is informed by the [IoD/HSE "Leading Health and Safety at Work"](#) guidance.

Supply Chain RAG status based on AFR target of 0.06 and aligning to the CPF model:

Highways England RAG status based on AFR target of 0.09 and aligning to the CPF model:

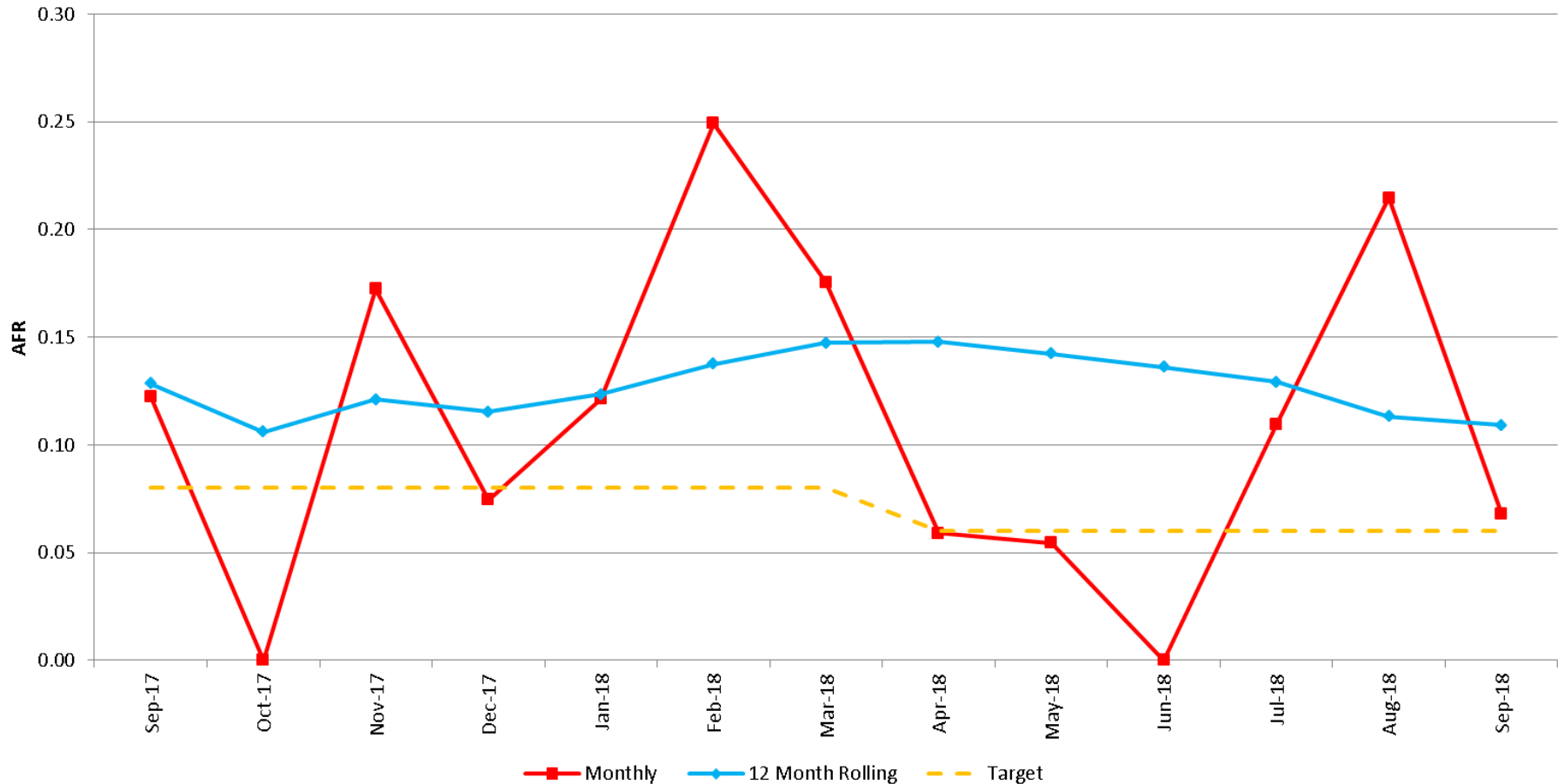
> 0.13	0.13 ≥ & > 0.06	≤ 0.06
> 0.11	0.11 ≥ & > 0.09	≤ 0.09

# Graph 1 – Rolling AFR for Supply Chain - Major Projects



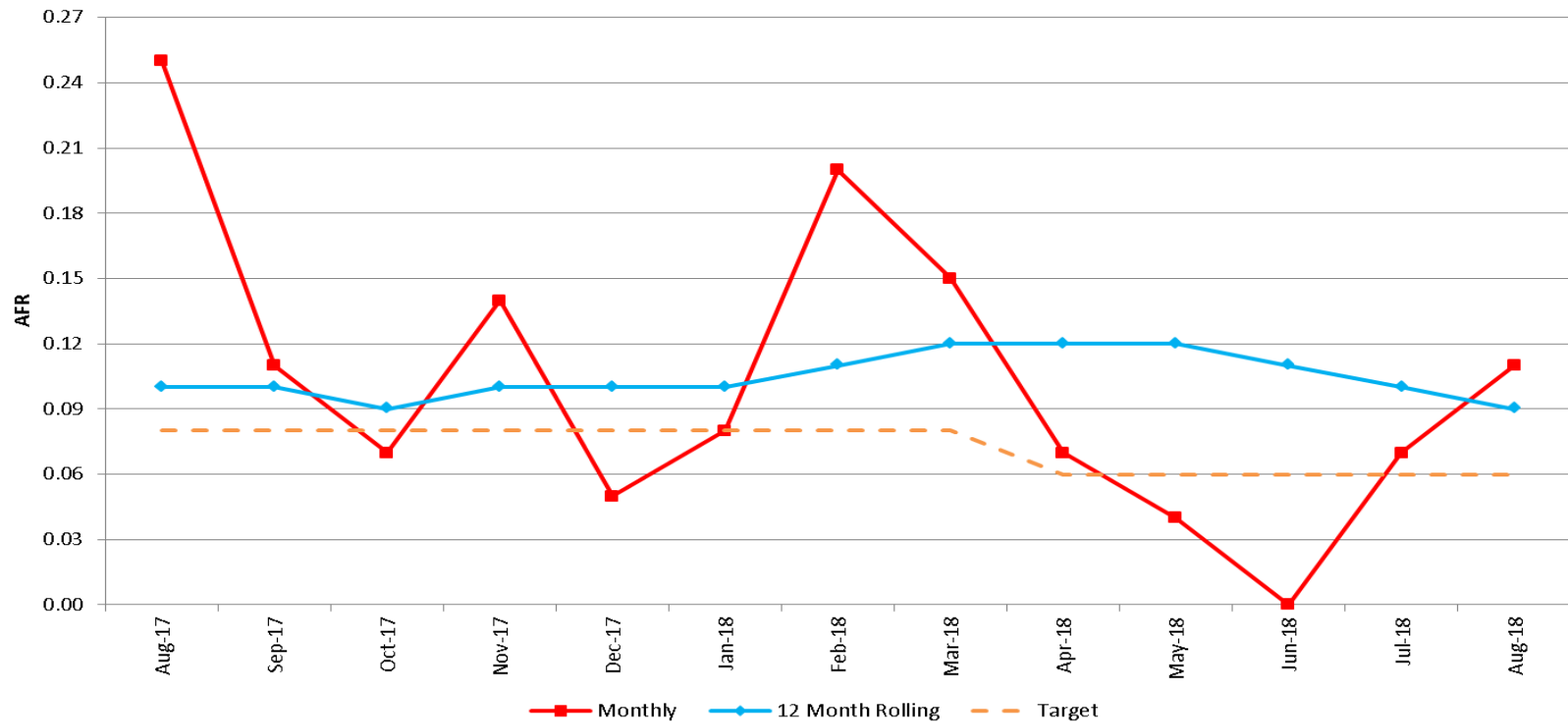
## Graph 2 – Rolling AFR for Supply Chain - Operations

**Operations AFR's:**  
Rolling and monthly AFR's for the last 13 month



## Graph 3 – Rolling AFR for Supply Chain – Major Projects and Operations

**Supply Chain Overall (Major Projects and Operations) AFRs:**  
Rolling and monthly AFR's for the last 13 month



## Performance by Supplier across the Supply Chain



Supplier	Hours worked	% hours worked	RIDDOR	Type of incidents				AFR	Group AFR <sup>2</sup>
				Fatality	Specified injury	> 7 day	Disease		
Kier Highways	8,766,685	26.09%	6	0	2	3	1	0.07	0.06
Balfour Beatty	3,686,489	10.97%	4	0	3	1	0	0.11	0.10
A-one+	3,277,517	9.75%	2	0	2	0	0	0.06	0.13
Costain	3,196,302	9.51%	2	0	0	2	0	0.06	0.07
Skanska	1,970,262	5.86%	0	0	0	0	0	0.00	0.00
Connect Plus	1,883,210	5.60%	3	0	2	1	0	0.16	0.10
BAM Nuttall Ltd	1,614,329	4.80%	0	0	0	0	0	0.00	0.10
Amey (Highways)	1,243,884	3.70%	1	0	0	1	0	0.08	0.12
Carillion	1,094,946	3.26%	1	0	1	0	0	0.09	0.07
Jacobs	561,516	1.67%	0	0	0	0	0	0.00	0.00
Atkins	368,818	1.10%	0	0	0	0	0	0.00	0.00
Severn River Group	342,688	1.02%	0	0	0	0	0	0.00	0.00
CHC Highways	313,684	0.93%	1	0	0	1	0	0.32	0.00
Sisk (formerly Sisk Lagan JV)	313,637	0.93%	0	0	0	0	0	0.00	0.00
Volker Fitzpatrick	298,993	0.89%	1	0	1	0	0	0.33	0.00
Interserve	281,792	0.84%	2	0	2	0	0	0.71	0.13
Tarmac Aggregates Ltd	198,427	0.59%	2	0	1	1	0	1.01	0.00
Graham Construction	45,200	0.13%	1	0	0	1	0	2.21	0.00
FMG Support	16,143	0.05%	1	0	0	1	0	6.19	0.00
Hochtief	13,282	0.04%	1	0	0	1	0	7.53	0.00
CC Ground Investigations Ltd	3,037	0.01%	1	0	0	1	0	32.93	0.00
Rest of Group (73)	4,423,310	12.23%	0	0	0	0	0	0.00	0.00
Total	33,914,151	100.00%	29	0	14	14	1	0.09	

Key	> 0.13	0.13 ≥ & > 0.06	≤ 0.06
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The contractors represented in this table are recognised as the principal contractors undertaking work across various Highways schemes and in conjunction with other contractors. This data draws together data from across all schemes. The blue line annotates 1 million hours worked. Further information on Suppliers Performance can be found in Appendix 1.

<sup>2</sup> The Group AFR has now been obtained from either the latest end of year company accounts, the company website or by contacting the company directly.

## Summary of Significant Supply Chain Incidents reported

There have been 3 RIDDOR accidents in the supply chain, 2 this month, 1 that occurred in August (incorrectly recorded on [AIRSweb](#)) and 1 High Potential near miss.



Date of incident	Location	Incident category	Overview of incident
22/08/18	Operations SWAD - HW Martins - M5 Jct 23-25	RIDDOR > 7 day injury	An operative working for CC Groundworks, on behalf of HW Martins, was acting as the lead driller during ground investigation works. The operative was measuring the drill string using a retractable steel measuring tape and they had hooked the tape to the safety cage on the drilling rig in the drawn-out position. Whilst pulling the exposed metal tape to release it from the cage it got caught up in their PPE and on bending down to unhook the metal tape it cut the operative's little finger on their right hand (approximately 1.7cm cut). The operative attended hospital where it was established that they had severed a tendon in their finger which needed an operation to re-attach it. <b><a href="#">AIRSweb: 59641</a></b>
17/09/18	Operations East CDF Package 3 - Osborne - A12 Motts Bridge	RIDDOR Specified Injury	A scaffolder working for EA Scaffolding, on behalf of Osborne, was erecting scaffolding on the bridge and was removing a scaffold tube which moved and trapped two of their fingers which resulted in a hand injury. They attended hospital where they had the tip of their left hand ring finger surgically removed and a metal rod inserted into the middle finger. <b><a href="#">AIRSweb: 59483</a></b> .
24/09/18	Major Projects SMP - BBV - M6 Jct 2-4	RIDDOR Specified Injury	A machine driver working for Flannery Plant, on behalf of Balfour Beatty Vinci JV, was undertaking pre-use checks of an excavator. Whilst walking around the vehicle the driver tripped and banged their knee against the corner of the blade on the front of the machine. The driver was taken to hospital where they were diagnosed with a fractured kneecap. The initial investigation has established that the driver tripped on a section of temporary sign frame which was protruding from the ground. <b><a href="#">AIRSweb: 60788</a></b> .
13/09/18	Operations Area 9 - Kier Highways - <a href="#">Strensham Depot</a>	<a href="#">HiPo</a> near miss	Kier Highways were notified of a positive legionella count by Interior Solutions following sampling as part of the control of legionella in the water systems at depots. After taking a sample from the archive store at <a href="#">Strensham</a> depot a small colony of legionella bacteria was identified from a single tap in the kitchen sink. Highways England and Kier Highways employees were not exposed and the room was isolated immediately. On the 17 <sup>th</sup> September an independent company, <a href="#">Soljet</a> , resampled to confirm the original test and to advise on any remedial work required. These samples have shown to be positive as well. <b><a href="#">AIRSweb: 59343</a></b> .



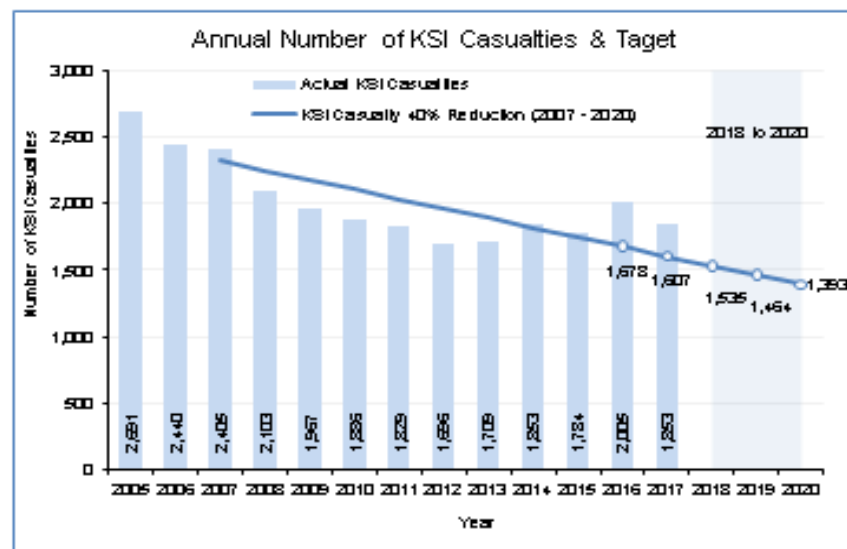
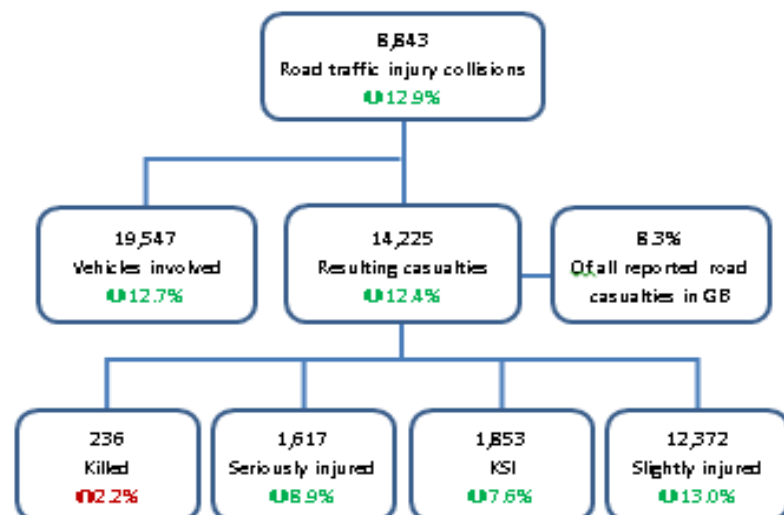
# Road User Performance and Road User Safety

## Key Activities This Month:

- The [Reported Road Casualties Great Britain Annual Report 2017](#) was released by the Department of Transport on the 28 September. The results for Great Britain indicate that overall casualties had reduced by 6% compared to the same period in 2016, but that killed or seriously injured had increased by 3%.

The headline results for the Strategic Road Network in 2017 are provided below (left), percentages indicate the change from the same period in 2016, with significant reductions in the number of collisions and casualties on the network reported. The figure below (right) provides an overview of annual reported KSI casualties and performance against the monitoring point.

Figure 1 – Road Safety Performance Overview 2017



The results indicate an increase in the number of fatalities (+2.2% on 2016), whilst this is concerning it should be noted that the figure is broadly consistent with the number of fatalities in the period 2010 – 2016 which has remained relatively stable ranging between 211 – 255. Our performance also needs to be considered in the context of traffic growth (total provisional traffic is 944.1 Hundred Million Vehicle Miles for 2017, up 2.5% on 2016) and overall numbers of casualties on the network. The KSI Casualty Rates per Hundred Million Vehicle Miles indicates an ongoing reduction from 2.18 in 2016 to 1.96 in 2017 (9.9%). We continue to work with the Department for Transport to understand the impact of Collision Recording and Sharing System (CRASH) and to develop adjustment factors which allow for a move to injury severity reporting and the resultant increase in serious casualties.

## Road User Performance and Road User Safety (Continued)

- Road Safety Campaigns – we launched our Close Following campaign on 17 September, the campaign includes a dedicated website ([Stay Back Stay Safe](#)) paid for media covering [video](#) on demand (adverts on catch up TV e.g. ITV Hub), out of home (posters at key locations), radio advertising, digital advertising, events and partnerships. Media coverage of the campaign has been extensive, including TV, Radio and Print. The film has been viewed over a million times on-line (i.e. Twitter, Facebook) and our dedicated website has been visited 80,000 times. Partnership activities including distribution of stickers (90,000 car sticker and 50,000 van stickers to date), promoting the campaign and work with National Express have been widespread. Feedback to date has been positive and it has generated a good debate around driving behaviour.



- Mike Wilson signed the [DfBB](#) Commitment on behalf of Highways England and we are now working towards champion status and leading on compliance and good work practice with work related road safety. We have continued wider engagement activities, including workshops with the: Civil Engineering Contractors Association is the representative body for companies who work day-to-day to deliver, upgrade, and maintain the country's infrastructure (CECA represents firms who together carry out an estimated 70-80 per cent of all civil engineering activity in the UK); and with the Health & Safety Directors Forum which includes representatives from HS2, Thames Water, National Grid, Transport for London etc. Future key engagement activities include: various seminars and workshops at Highways UK (November); attendance at the next All Party Parliamentary Group on Occupational Safety and Health (November); and [DfBB](#) events for the public sector at the House of Commons (January 2019) and for the private sector at McLaren Automotive (March 2019).
- We continue to work collaboratively with DfT to refresh the Road Safety Statement with a targeted 2-year Action Plan, and a new 10 year plus strategy for improving road safety and moving us, as a country, towards zero deaths on our roads. The actions plan reflects the Roads Ministers focus on reversing the number of injuries among four key groups: Young people – up to 24yr olds; Rural Road Users; Motorcyclists; and Older/Vulnerable Road Users. We have identified a limited number of areas where we could lead actions, for example, through our targeted campaigns focusing on driver behaviour, research on infrastructure measures for Older Drivers and Motorcyclists and suicide prevention.

## National Health & Safety Team Update

a) Health and Safety Assurance reviews:

The Health and Safety assurance team is presenting the six monthly audits schedules to the Executive Safety Committee for approval. Auditing will begin in late October.

b) The Highways England Awards:

The Highways England Awards are now open for nominations. These awards recognise and celebrate the work of people in our company and in our supply chain who have made notable improvements in the safety, customer experience and delivery of our network. These awards set the bar of expectation for those working for us and with us, above all on our prime imperative of safety, as well as on our imperatives of customer and delivery. They combine last year's Health, Safety and Wellbeing Awards and Supplier Recognition Scheme Awards into a single event that rewards individuals, teams, projects and companies who have innovated and improved our business. The 11 categories include the prestigious Chairman's Award for Excellence in safety, which is our first imperative. More information about the awards and our online entry forms are available via [www.highwaysengland.co.uk/awards](http://www.highwaysengland.co.uk/awards)

c) Safety Alerts: There was 1 Safety Alert issued in the month:

- HEI055 Highways England Safety Alert - [Vehicle breakdown or collision on the SRN motorways](#)

## Site Inspections undertaken in September 2018

This month there has been 36 inspections undertaken across Highways England, a summary of the findings are:



	Number of inspections	No. observations Status (Red)	No. observations Status (Amber)	No. observations Status (Green)	No. blue star observations Status
Major Projects	17	6	15	177	0
Operations	19	1	18	90	0
Totals	36	7	33	267	1

Key to non-conformance RAG status:

Red	Non-conformance with legislation or Raising the Bar (RtB) requirements
Amber	RtB requirements not adopted everywhere on site or in full, and negative observation
Green	Positive observation relating to management of top risks
	Exceptional performance or new initiative not widely used on other sites

## Site Inspections undertaken in September 2018 (continued)

Inspection findings on Major Project sites	
RAG Status	Trends
Red	<p>There were 6 Red observations noted and all findings were discussed with the local management team at the time of the visit and actions taken close immediately or with an agreed timescale:</p> <ul style="list-style-type: none"> <li>- Plant people interface – 15m exclusion zone established yet operatives were seen working inside the zone worked was stopped and resolved.</li> <li>- Paperwork – RAMS were not reflecting the activity being undertaken: On the day of the inspection two pieces of plant were observed working opposite live lanes and neither had the Slew and height restrictors working. The requirement for these controls as not effectively recorded in the paperwork nor had it been communicated to the operatives. Job was stood down until the situation was resolved.</li> <li>- Other examples of generic paperwork were noted that did not reflect the true nature of the activity being undertaken.</li> </ul>
Amber	<p>There were 15 Amber observations noted, we have seen some common themes:</p> <ul style="list-style-type: none"> <li>- Slips, trips and falls – inadequate or lack of edge protection; e.g. Operative was carrying out box cutting works on site; the edge was left unprotected causing potential for slip trip hazard. Recommendation: There should be cones or some form of edge protection used to ensure that the area is secure.</li> <li>- Plant people – people taking shortcuts and not adhering to the procedure / training: Refuelling point had been which is excellent but unfortunately supporting safety equipments such as, fire extinguishers, spill kit, first aid station, welfare unit etc. This was quickly resolved by the contractor.</li> <li>- PPE – non-compliance with site requirements minor infringements but reflects the site culture; e.g. multiple contractors observed who were not fully complying with the PPE requirements of site. Two contractors observed without Safety glasses/goggles, one contractor without the correct safety helmet and one without gloves. All contractor reminded by local management that they should be wearing : <ul style="list-style-type: none"> <li>• Safety helmets with chin straps/harnesses</li> <li>• Safety glasses/goggles</li> <li>• Gloves</li> </ul> </li> </ul>
Green	A total of 177 Green observations were made in the month.



	The following observations achieved a Blue Star for 'exceptional performance or new initiatives not widely used on other sites'
	Observations on Major Project sites
Project	Observation
	No Blue Star awarded this month.

## Site Inspections undertaken in September 2018 (continued)

Inspection findings on Operations sites	
RAG Status	Trends
Red	There was 1 Red Observation in the period. This relates to <u>Strensham</u> safety tour. The cleaner's cupboard has a sink in it and the electrical panel is in the same room. Any leaks would render this location very hazardous. This has been identified as a design issue. Clarification as to the electrical protection on the circuit has been obtained.
Amber	There were 18 Amber Observations in the period. These included a lack of finalised fire risk assessments for depots/ outstations(5), incorrect size of sign plates for traffic management(2), and procedures not adequately in place to protect overhead telecoms cables based on HSE guidance(GS6).
Green	There were 90 Green Observations in the period which demonstrated a good level of compliance to standards. Common themes include good provision of welfare arrangements, use of appropriate PPE, high standard of vehicle conditions, general safety communications with the workforce, and good practice in relation to supervision on site.



The following observation achieved a Blue Star for 'exceptional performance or new initiatives not widely used on other sites'

Observations on Operations sites

Project	Observation
	No Blue Star awarded this month.

## Supply Chain Performance Tables

Table 3 – Major Projects Contractor Performance

Supplier	Rolling 12 months to September 2018								
	Hours Worked (12 months)	Total RIDDORs	Fatality	Specified injury	> 7 day	Disease	Minor Injuries	AFR	Aug. AFR
<u>Costain</u>	3,196,302	2	0	0	2	0	3	0.06	0.09
Balfour Beatty	2,191,736	2	0	2	0	0	10	0.09	0.05
Skanska	1,970,262	0	0	0	0	0	7	0.00	0.00
Kier Highways	1,569,328	1	0	0	1	0	6	0.06	0.08
Carillion*	1,081,840	1	0	1	0	0	6	0.09	0.08
Jacobs	561,516	0	0	0	0	0	0	0.00	0.00
Atkins	368,818	0	0	0	0	0	2	0.00	0.00
Sisk (formerly Sisk Lagan JV)	313,637	0	0	0	0	0	6	0.00	0.00
Amey (Highways)	245,440	0	0	0	0	0	0	0.00	0.00
Morgan Sindall	222,072	0	0	0	0	0	5	0.00	0.00
Vinci Construction	213,517	0	0	0	0	0	3	0.00	0.00
Mott MacDonald Ltd	193,788	0	0	0	0	0	2	0.00	0.00
<u>Aecom</u>	170,677	0	0	0	0	0	3	0.00	0.00
<u>Galliford Try</u>	161,983	0	0	0	0	0	2	0.00	0.00
CH2M HILL	142,357	0	0	0	0	0	0	0.00	0.00
<u>Arcadis</u>	97,337	0	0	0	0	0	0	0.00	0.00
John Sisk	96,558	0	0	0	0	0	0	0.00	0.00
Interserve	78,659	0	0	0	0	0	0	0.00	0.00
WSP	76,479	0	0	0	0	0	2	0.00	0.00
<u>Hyder Consulting</u>	41,102	0	0	0	0	0	0	0.00	0.00
BAM Nuttall Ltd	33,944	0	0	0	0	0	0	0.00	0.00
Carnell Support Services Ltd	17,748	0	0	0	0	0	0	0.00	0.00
<u>Hochtief</u>	13,282	0	0	0	1	0	1	7.53	6.36
SWECO	2,352	1	0	0	0	0	0	0.00	0.00
Pre-construction/PC to be assigned	386,705	0	0	0	0	0	4	0.00	0.00
Grand Total	13,447,439	7	0	3	4	0	62	0.05	0.05

Key	> 0.13	0.13 ≥ & > 0.06	≤ 0.06
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\*Carillion hours are reducing month on month but will remain within the table until the 'Hours worked in the last 12 months' has reached zero.

## Supply Chain Performance Tables (continued)

Table 4 – Major Projects (Regional and Programme Performance)

Supplier	Rolling 12 months to September 2018								
	Hours Worked (12 months)	Total RIDDORs	Fatality	Specified injury	> 7 Day	Disease	Minor Injuries	AFR	Aug. AFR
RIP Overall	3,721,139	3	0	2	1	0	31	0.08	0.06
<i>RIP East</i>	303,677	0	0	0	0	0	2	0.00	0.00
<i>RIP Midlands</i>	235,510	0	0	0	0	0	0	0.00	0.00
<i>RIP North West</i>	1,130,989	1	0	1	0	0	4	0.09	0.08
<i>RIP South East</i>	568,181	1	0	0	1	0	10	0.18	0.24
<i>RIP South West</i>	139,303	0	0	0	0	0	2	0.00	0.00
<i>RIP Yorkshire and North East</i>	1,343,479	1	0	1	0	0	13	0.07	0.07
CIP	4,222,799	1	0	0	1	0	10	0.02	0.05
NIP	297,579	0	0	0	0	0	0	0.00	0.00
SMP	5,205,922	3	0	1	2	0	21	0.06	0.04
Grand Total	13,447,439	7	0	3	4	0	62	0.05	0.05

Key	> 0.13	0.13 ≥ & > 0.06	≤ 0.06
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## Supply Chain Performance Tables (continued)

Area/Principal Contractor	Rolling 12 months to September 2018								
	Hours Worked (12 months)	Total RIDDORs	Fatality	Specified injury	> 7 day	Disease	Minor Injuries	AFR	Aug. AFR
East	1,786,779	5	0	3	1	1	6	0.28	0.22
Asset Support	1,347,977	2	0	1	0	1	1	0.15	0.14
CDF	412,249	3	0	2	1	0	4	0.73	0.52
DBFO	4,090	0	0	0	0	0	0	0.00	0.00
RTMC	22,463	0	0	0	0	0	1	0.00	0.00
Midlands	5,507,049	2	0	0	2	0	14	0.04	0.07
Asset Delivery	1,394,788	1	0	0	1	0	10	0.07	0.15
Asset Support	2,347,503	1	0	0	1	0	1	0.04	0.09
DBFO	47,213	0	0	0	0	0	0	0.00	0.00
Improvement Scheme	1,598,168	0	0	0	0	0	3	0.00	0.06
RTMC	119,377	0	0	0	0	0	0	0.00	0.00
North East	3,063,035	5	0	3	2	0	15	0.16	0.16
Asset Delivery	686,054	3	0	1	2	0	3	0.44	0.30
Asset Support	1,808,617	2	0	2	0	0	8	0.11	0.11
DBFO	444,679	0	0	0	0	0	4	0.00	0.00
Improvement Scheme	88,762	0	0	0	0	0	0	0.00	1.25
RTMC	34,923	0	0	0	0	0	0	0.00	0.00
North West	1,863,460	4	0	2	2	0	7	0.21	0.22
Asset Delivery	686,111	2	0	1	1	0	3	0.29	0.31
Asset Support	1,148,070	2	0	1	1	0	4	0.17	0.17
RTMC	29,279	0	0	0	0	0	0	0.00	0.00
South East	6,776,380	4	0	3	1	0	27	0.06	0.06
Asset Support	4,860,845	1	0	1	0	0	16	0.02	0.04
DBFO	1,864,619	3	0	2	1	0	9	0.16	0.00
RTMC	50,916	0	0	0	0	0	2	0.00	0.00
South West	853,240	1	0	0	1	0	15	0.12	0.12
Asset Delivery	445,702	1	0	0	1	0	10	0.22	0.47
DBFO	47,569	0	0	0	0	0	0	0.00	0.00
RTMC	17,281	0	0	0	0	0	0	0.00	0.00
Severn River Group	342,688	0	0	0	0	0	5	0.00	0.00
National	300,095	1	0	0	1	0	0	0.33	0.33
MGVR - Next Generation Vehicle Recovery	19,981	1	0	0	1	0	0	5.00	4.64
National Roads Telecommunications Services	265,444	0	0	0	0	0	0	0.00	0.00
Grand Total	20,135,367	22	0	11	10	1	84	0.11	0.11

Key > 0.13 0.13 ≥ & > 0.06 ≤ 0.06