

August 2019 Summary Health & Safety Performance Report

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home
safe
and **well**

Executive Summary

Accident Frequency Rate (AFR) Overview:

- The **Major Projects 12 month rolling AFR** to August 2019 **remained** at **0.05**.
- There were **0 RIDDOR** accidents reported in August 2019.
- **0 RIDDORs** fell out of the scope of the rolling AFR calculation.
- The in-month AFR was **0.00** and the net 12 month recorded hours increased by 4.49% (19.12m to 19.9m).
- The **Operations 12 month rolling AFR** to August 2019 **decreased** from **0.08** to **0.06**.
- There were **0 RIDDOR** accidents reported in August 2019.
- **4 RIDDORs** fell out of the scope of the rolling AFR calculation.
- The in-month AFR was **0.00** and the net 12 month recorded hours increased by 1.54% (20.1 to 20.4m).
- The overall **Supply Chain 12 month rolling AFR** to August 2019 **decreased** from **0.06** to **0.05**.
- There have been **21 RIDDORs** in the rolling 12-month period.
- **4 RIDDORs** fell out of the scope of the rolling AFR calculation.
- The in-month AFR was **0.00** and the net 12 month recorded hours increased by 2.98% (39.23m to 40.40m).

Lost time Incidents:

- There have been **9** Lost Time Incidents reported this month – 1 in Major Projects, 6 in Operations & 2 in TO/RCC

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 **18 fatal incidents and 3 suicides** on the Strategic Road Network

Service Strikes:

- There have been **12** service strikes reported this month

Vehicle Incursions:

- There have been **129** Vehicle Incursions reported this month

Bridge Strikes:

- There has been **0** Bridge Strikes reported this month

Incidents Reported:

- There have been **0 RIDDOR** incidents reported in August.

Site Inspections:

- There were **32** inspections carried out in August 2019 by the H&S Division, **17** in Major Projects and **15** in Operations

Accident Frequency Rate Overview

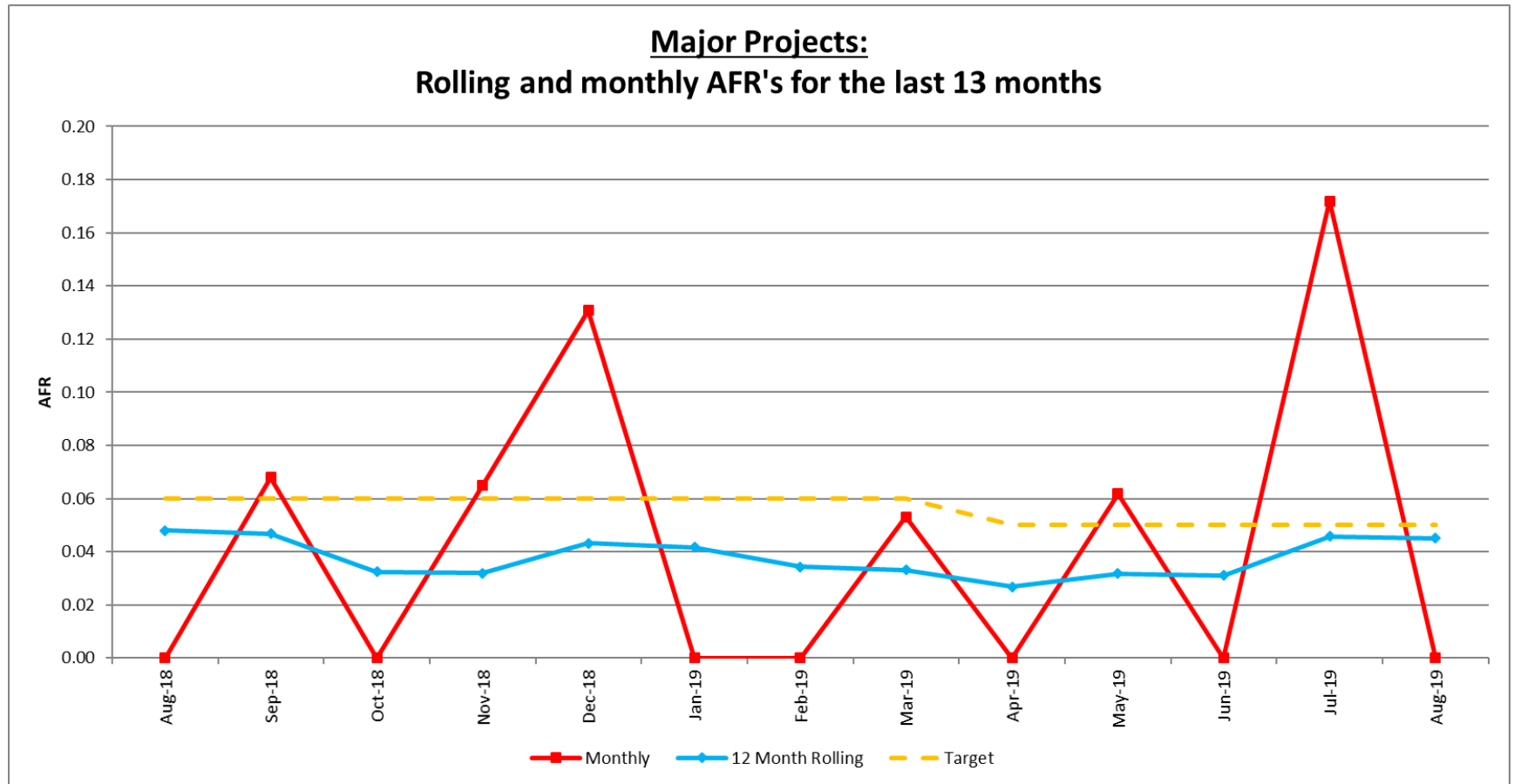
Area	AFR Target	AFR Actuals (rolling 12 months)	AFR for month	Fatality	RIDDOR Specified Injury	RIDDOR > 7-day injury	RIDDOR Disease	Total RIDDOR Reportable	RIDDOR Dangerous Occurrences ^[1]
Major Projects	0.05	0.05	0.00	0 (0)	0 (6)	0 (3)	0 (0)	0 (9)	0 (1)
Operations	0.05	0.06	0.00	0 (0)	0 (4)	0 (8)	0 (0)	0 (12)	0 (0)
Supply Chain Total	0.05	0.05	0.00	0 (0)	0 (10)	0 (11)	0 (0)	0 (21)	0 (1)

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.

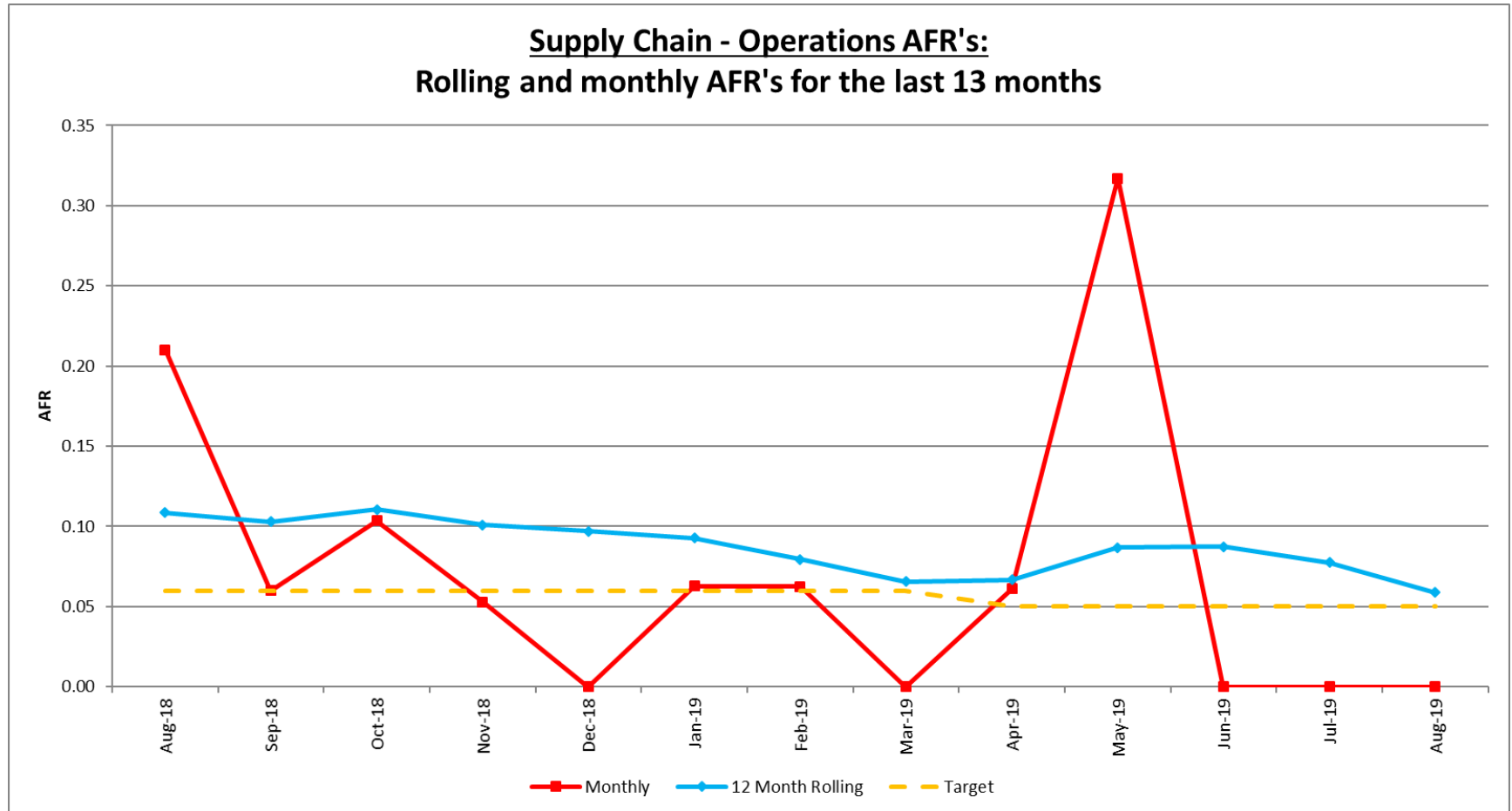
Supply Chain RAG status based on AFR target of 0.05 and aligning to the CPF model:

> 0.12	0.12 ≥ & > 0.05	≤ 0.05
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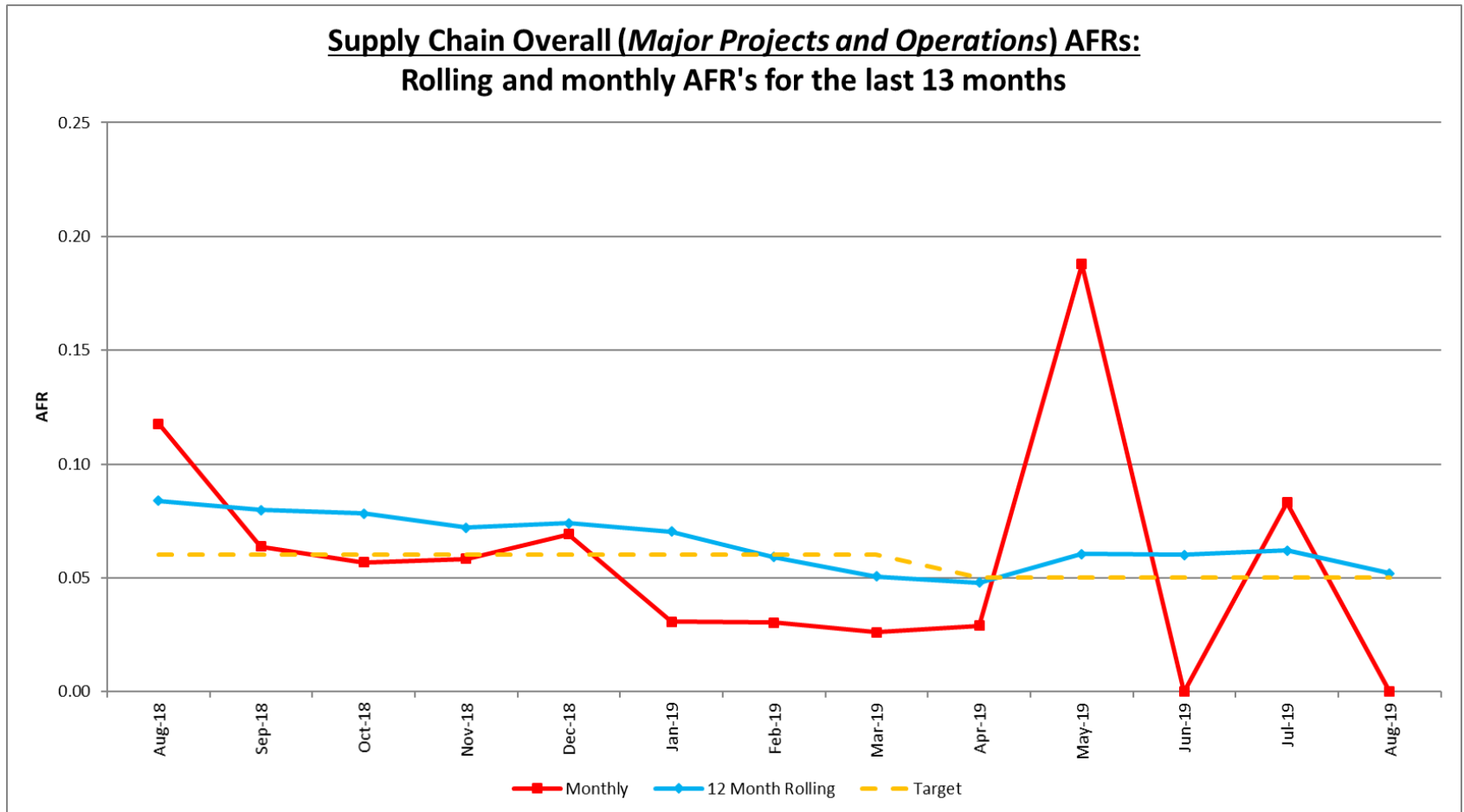
Graph 1 – Rolling AFR for Supply Chain - Major Projects



Graph 2 – Rolling AFR for Supply Chain - Operations



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



Performance by Supplier across the Supply Chain

Table 2 Summary of 12 month rolling performance by supplier across the supply chain

Supplier	Hours worked	% hours worked	RIDDOR	Type of incidents				Aug. AFR	Group AFR (2018/19 performance)
				Fatality	Specified Injury	> 7 Day	Disease		
Kier Highways	10,524,574	26.05%	4	0	3	1	0	0.04	0.03
Balfour Beatty	3,886,577	9.62%	2	0	2	0	0	0.05	0.07
Skanska	3,552,895	8.79%	2	0	2	0	0	0.06	0.09
Aone+	3,538,686	8.76%	0	0	0	0	0	0.00	0
BAM Nuttall	2,911,226	7.21%	1	0	0	1	0	0.03	0.07
Costain	2,053,024	5.08%	1	0	1	0	0	0.05	0.03
Connect Plus	1,903,159	4.71%	0	0	0	0	0	0.00	0.07
Jacobs	1,557,925	3.86%	0	0	0	0	0	0.00	0
Amev	1,200,757	2.97%	1	0	0	1	0	0.08	0.09
Atkins	812,979	2.01%	0	0	0	0	0	0.00	0
Telent	618,124	1.53%	0	0	0	0	0	0.00	0
Vinci Construction	461,911	1.14%	0	0	0	0	0	0.00	0.07
Interserve	448,811	1.11%	0	0	0	0	0	0.00	0.07
Galliford Try	448,342	1.11%	1	0	0	1	0	0.22	0.11
Ringway Ltd	440,105	1.09%	1	0	0	1	0	0.23	0.11
H.W. Martin Ltd	469,586	1.07%	2	0	1	1	0	0.43	0
AECOM	378,734	0.94%	1	0	0	1	0	0.26	0.02
Sisk Lagan JV	362,350	0.90%	1	0	0	1	0	0.28	0.08
Egis	278,800	0.69%	1	0	0	1	0	0.36	0.4
CHC Highways	258,961	0.64%	0	0	0	0	0	0.00	0.28
Osborne	148,267	0.37%	2	0	1	1	0	1.35	0.17
Forest Support Services	131,708	0.33%	1	0	0	1	0	0.76	0
Graham Construction	116,897	0.29%	0	0	0	0	0	0.00	0.05
Morgan Sindall	57,140	0.14%	0	0	0	0	0	0.00	0.06
FMG Support	43,577	0.11%	0	0	0	0	0	0.00	4.5
Rest of Group (62)	3,792,973	9.48%	0	0	0	0	0	0.00	
Grand Total	40,398,088	100.00%	21	0	10	11	0	0.05	-

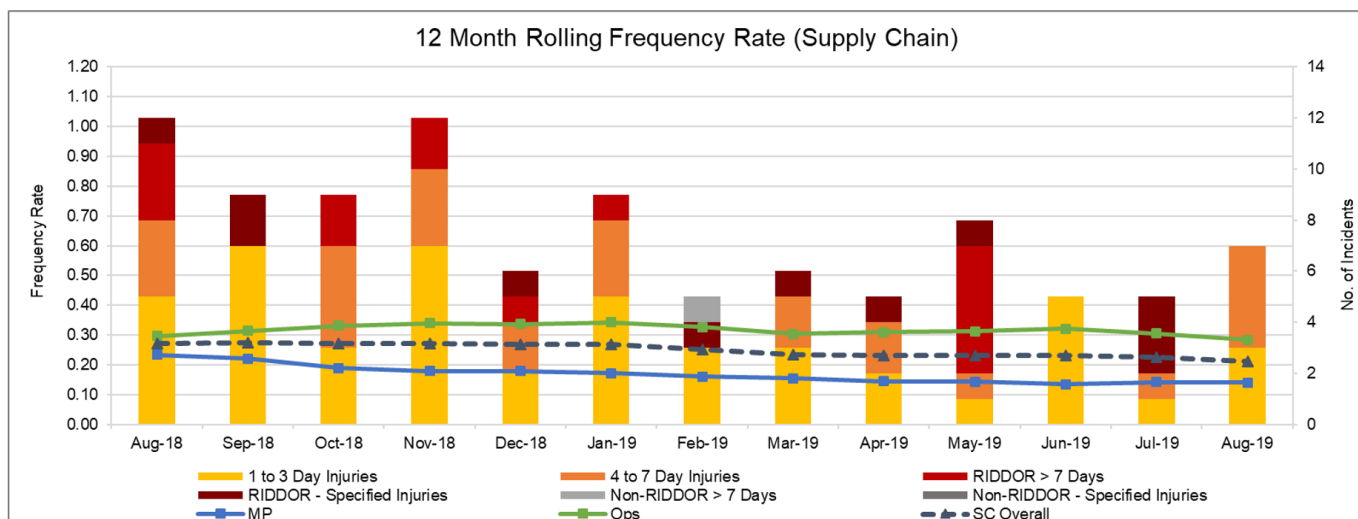
Key > 0.12 0.12 ≥ & > 0.05 ≤ 0.05

Group AFR data relates to 2018/19 performance

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 and includes Suppliers who have +1% hours worked or have had a reportable incident in the past 12 months. The blue line annotates 1 million hours worked.

Lost Time Incidents recorded by Supplier

Supplier	Hours worked	% hours worked	Total No. of LTIs	Type of incidents						LTI Frequency Rate
				1-3 day Injury	4-7 day Injury	RIDDOR >7 day Injury	RIDDOR Specified Injury	Non-RIDDOR > 7 day Injury	Non-RIDDOR Specified Injury	
Kier Highways	10,524,574	26.05%	27	10	12	1	3	1	0	0.26
BAM Nuttall Ltd	2,911,226	7.21%	10	6	3	1	0	0	0	0.34
Balfour Beatty	3,886,577	9.62%	9	6	1	0	2	0	0	0.23
Connect Plus	1,903,159	4.71%	6	2	4	0	0	0	0	0.32
Osborne	148,267	0.37%	4	1	1	1	1	0	0	2.70
Skanska	3,552,895	8.79%	4	2	0	0	2	0	0	0.11
Costain	2,053,024	5.08%	4	3	0	0	1	0	0	0.19
Sisk Lagan JV	362,350	0.90%	3	2	0	1	0	0	0	0.83
Amey	1,200,757	2.97%	3	2	0	1	0	0	0	0.25
Egis	278,800	0.69%	3	2	0	1	0	0	0	1.08
A-one+	3,538,686	8.76%	2	2	0	0	0	0	0	0.06
H.W Martin Ltd	469,586	1.16%	2	0	0	1	1	0	0	0.43
Rest of Group (20)	9,568,187	23.68%	9	4	1	4	0	0	0	0.09
Total	40,398,088	100.00%	86	42	22	11	10	1	0	0.21



Service Strikes recorded by Supplier

Supplier	Hours worked	% hours worked	Total No. of Strikes	Types of Event*				Aug FR	Jul FR
				Cable/Pipelines	Electricity	Water	Gas		
Kier Highways	10,524,574	26.05%	17	6	8	2	1	0.16	0.16
Skanska	3,552,895	8.79%	11	9	1	1	0	0.31	0.28
Balfour Beatty	3,886,577	9.62%	8	5	3	0	0	0.21	0.21
BAM Nuttall Ltd	2,911,226	7.21%	8	4	4	0	0	0.27	0.23
Costain	2,053,024	5.08%	6	2	4	0	0	0.29	0.25
Aone+	3,538,686	8.76%	5	3	1	0	1	0.14	0.18
Carnell Support Services Ltd	159,924	0.40%	4	2	2	0	0	2.50	1.27
Forkers Ltd	52,507	0.13%	4	3	0	1	0	7.62	4.02
Osborne	148,267	0.37%	3	0	1	1	1	2.02	1.56
Vinci Construction	461,911	1.14%	3	2	1	0	0	0.65	0.59
Amey	1,200,757	2.97%	3	1	2	0	0	0.25	0.38
North Midland Construction	39,358	0.10%	2	1	1	0	0	5.08	5.32
Sisk Lagan JV	362,350	0.90%	2	1	1	0	0	0.55	0.50
Atkins	812,979	2.01%	2	0	2	0	0	0.25	0.11
Jacobs	1,557,925	3.86%	2	0	2	0	0	0.13	0.14
Galliford Try	448,342	1.11%	2	1	0	1	0	0.45	0.45
AECOM	378,734	0.94%	2	1	1	0	0	0.53	0.51
Rest of Group (7)	8,308,052	20.57%	19	9	9	1	0	0.23	0.14
Total	40,398,088	100.00%	103	50	43	7	3	0.25	0.24

The Suppliers listed in this table have had 2 or more Service Strikes in the last 12 months

***Types of Event key:**

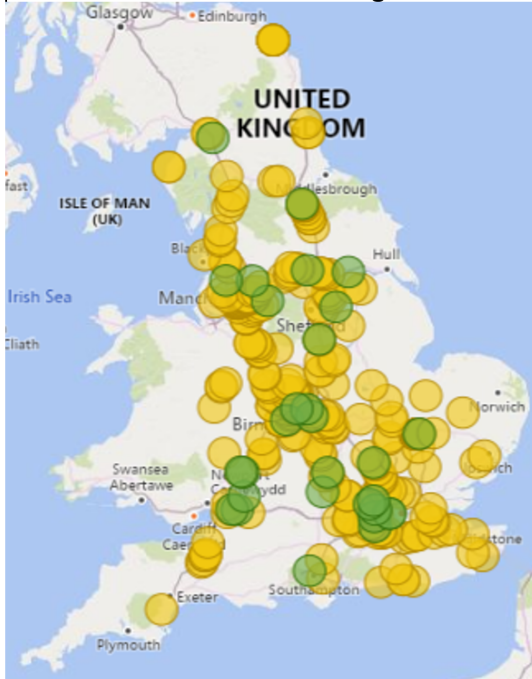
- Cable/Pipelines: Service strike other cables or pipelines
- Electricity: Service strike electricity
- Water: Service strike water
- Gas: Service strike gas

Summary of Significant Supply Chain Incidents reported

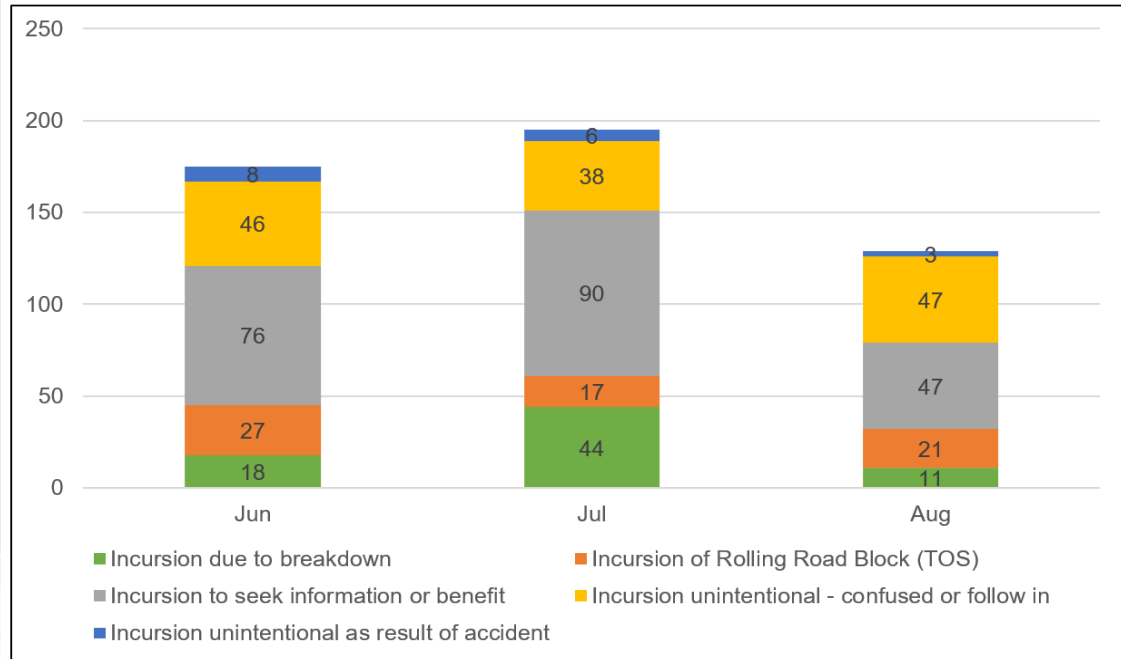
There have been **0** RIDDOR accidents this month.

Vehicle incursions into roadworks

Areas of Incursions: June-August 2019



Kind of Incursions: June-August 2019



	Undesired Circumstance (a set of conditions or circumstances that have the potential to cause injury or ill health)
	Near Miss (an event not causing harm, but has the potential to cause injury or ill health)
	Personal Injury

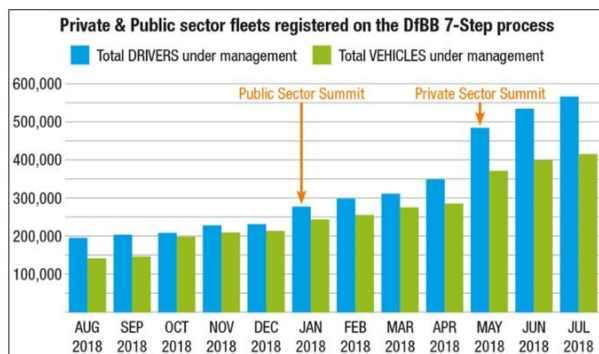
Road User Performance and Road User Safety

- The **Motorways Campaign** has been a success with good social media coverage with a potential reach of 14 million. The high levels of engagement on social media included: the campaign website (peaking at 12,844 views per day mid-campaign and comparable to Space Invaders); strong stakeholder support, including a supportive quote in our press release from Edmund King (AA); re-tweets from partner organisations such as Legoland and British Ports Association; and a Facebook Live event with the RAC with 60,000 followers. Building on this campaign we have recently commissioning research reviewing our overall approach to manage unplanned incidents (breakdowns, collisions, medical episodes) and what advice/guidance we give to customers to reduce their risk. The results of this research will be available in early 2020.
- Our **Regional Safety Coordinators** continue to deliver a range of partnership activities, including: three commercial vehicle load security training courses delivered by the Health and Safety Executive involving over 50 officers from Cheshire, Merseyside and Greater Manchester Police forces; we attended CarFest North which saw over 120,000 visitors attend the 3-day festival, over 3000 people actively engaged with the staff on our stand which was supported by the North West Commercial Vehicle Policing Unit, North West Road Safety Partnerships and local authorities.



Road User Performance and Road User Safety – continued.

- As part of our **Red X Signal Enforcement Programme** we have now completed the upgrade of 32 camera sites across the network, these are now being tested and evidence provided to police enforcement authorities that the cameras are ready for go-live. We expect to commence the roll out of enforcement in late September. In the meantime, we continue to undertake target engagement and communication activities to improve compliance, to date we have issued 190,000 formal warning letters to drivers who drive under a Red X or in a dynamic hard shoulder when not in operation.
- As part of the **Driving for Better Business (DfBB)** programme we arranged for a survey to be conducted of over 250 Executive Directors and over 1,000 business drivers to better understand corporate attitudes to issues such as grey fleet, mobile phone use and vehicle checks. The survey continued to highlight gaps in knowledge, the subsequent report has been shared across our DfBB programme and we shared our findings with various media partners. Direct engagement continues to be measured through the total number of drivers being managed, and vehicles being operated, by employers who have registered on the DfBB 7-Step process. This includes businesses who are using DfBB to help them get started (step 1), employers who are looking to improve further (step 6), and DfBB Business Champions who are looking to share best practice (step 7). Businesses registered on the 7-Step process at the end of July collectively manage: 567,300 drivers and 416,300 company vehicles (139,600 company cars, 219,800 company vans, 56,900 LGVs).



National Health & Safety Team Update

- a) **The Signalling for Roadworks project** (led by SMP and supported in safety terms by the H&S team) which uses permanent roadside technology (such as MS4 signals) to replace the role of fixed and temporary signs in traffic management, is to be adopted on the M4 ALR scheme. This will save £5.5M in associated technology, but more importantly eliminate 76 temporary sign sites and 32 other assets which won't need future maintenance by our road workers. Further work is required to deliver essential software development for existing systems, to realise the benefit at the majority of our RCC locations, outside of the East region.
- b) **The Supply Chain Safety Leadership Group** (SCSLG) has delivered a number of webinars to both HE and supply chain colleagues outlining the new approach to safety engagement. Chairs of all non-project specific safety forums are being asked to complete a one-page proforma by 20th September outlining the focus of the group and key deliverables which can be found on the intranet, supply chain portal and safety hub website. The aim of this work is to combine our efforts and work in Task and Finish groups rather than ongoing forums to address specific topics based on risk and performance as identified by the SCSLG. Each member of the SCSLG will lead a task and finish group to provide senior sponsorship. The current task and finish groups are:
- Improving the quality of incident investigation (Darren James - Costain)
 - Service strike avoidance (Darren Nelson - Carnell)
 - IPV strikes and incursions (James Haluch - Amey)
 - HE passport (Dave Merrick - independent)
 - 60mph through roadworks (Phil Clifton - Balfour Beatty)
 - Plant people interface (Duncan Elliott - Galliford Try)
 - Mental health (Glennan Blackmore - Skanska)
 - Temporary works including excavations (TBC)
- c) **Safety Alerts:** There were 9 Safety Alerts issued in the month:
- HEi106 - Highways England Safety Alert - [Flat Bed Trailer Near Miss Alert](#)
 - HEi107 - Highways England Safety Alert - [2nd tranche of Updates to Airsweb](#)
 - HEi108 - Highways England Safety Alert - [Above ground service strike](#)
 - HEi109 - Highways England Safety Alert - [Insecure load - Low loader](#)
 - HEi110 - Highways England Safety Alert - [Fall from height \(Failed side impact bar on cone well\)](#)
 - HEi111 - Highways England Safety Alert - [Inspection of recessed \(offset\) Gullies](#)
 - HEi112 - Highways England Safety Alert - [Personal safety - out and about](#)
 - HEi113 - Highways England Safety Alert - [Vehicle Tyre checks](#)
 - HEi114 - Highways England Safety Alert - [Inspection for recessed \(offset\) Gullies - for action alert](#)

Site Inspections undertaken in August 2019

This month there have been **32** inspections undertaken across Highways England, a summary of the findings is below.

	Number of inspections	No. observations Status (Red)	No. observations Status (Amber)	No. observations Status (Green)	No. observations Blue Star
Major Projects	17	10	27	159	2
Operations	15	3	9	184	-
Totals	32	13	36	343	2

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 another site

Blue Stars	Section	Finding Details
Major Projects SMP - M20 Jct 3-5	Management of Traffic, Mobile Plant and Vehicles	The project has introduced an innovative barrier solution for protection of overhead power lines and structures. The mobile barrier system will further reduce the likelihood of vehicles and plant striking overhead hazards. The InstaBoom GS6 barrier system is a laser which is set 20m away at the desired height of 4.9m. When the laser is broken the barrier comes down and stops the vehicle. This barrier is solar powered and if there is a spell of bad weather the battery can be topped up via generator. The barrier only operates when needed and requires little maintenance and can remain on site and does not have to be taken off for recharge.
Major Projects SMP - M23 J8 to 10	Electrical Safety: Overhead Services	The project has implemented an overhead protection control measure called Overhead Safe which was developed by Carnell's Innovation Team. Overhead Safe is worn the site team and it provides a clear and visible warning of overhead hazards by illuminating the vest when it is within a designated warning zone. Overhead Safe uses GSM connectivity along with GPS, accelerometer and gyroscope sensors, with data being uploaded to the cloud so that it can be monitored by back-office teams. Advantages: - <ul style="list-style-type: none"> - Works well at night, vests light up which are very visible; - The system works well on a full closure where a chicane is required to direct traffic into one lane, cones can be placed along the advancing route triggering the vests before vehicles are close to the overhead risk; and - The system is portable and takes up the space of a standard cone.