

March 2019

Summary Health & Safety Performance Report

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Executive Summary

Accident Frequency Rate (AFR) Overview:

- The **Major Projects 12 month rolling AFR** to March 2019 **decreased** from **0.04** to **0.03**.
- There was **1 RIDDOR** accident reported in March 2019.
- **1 RIDDOR** 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 2.44% (16.9m to 17.2m).
- The **Operations 12 month rolling AFR** to March 2019 **decreased** from **0.08** to **0.07**.
- There were **0 RIDDOR** accidents reported in March 2019.
- **3 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 decreased by 1.36% (21.34m to 21.05m).
- The overall **supply chain 12 month rolling AFR** to March 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 **0.03** and the net 12 month recorded hours increased by 0.33% (38.32m to 38.34m).

Incidents Reported:

- There was **1 RIDDOR** incident in March.

Site Inspections:

- There were **39** inspections carried out in March 2019 by the H&S Division, **17** in Major Projects and **22** in Operations

Health and Safety 5 Year Plan:

- In total there are twenty-six year five and ongoing actions - 12 are on track, 13 are completed and 1 cause for concern

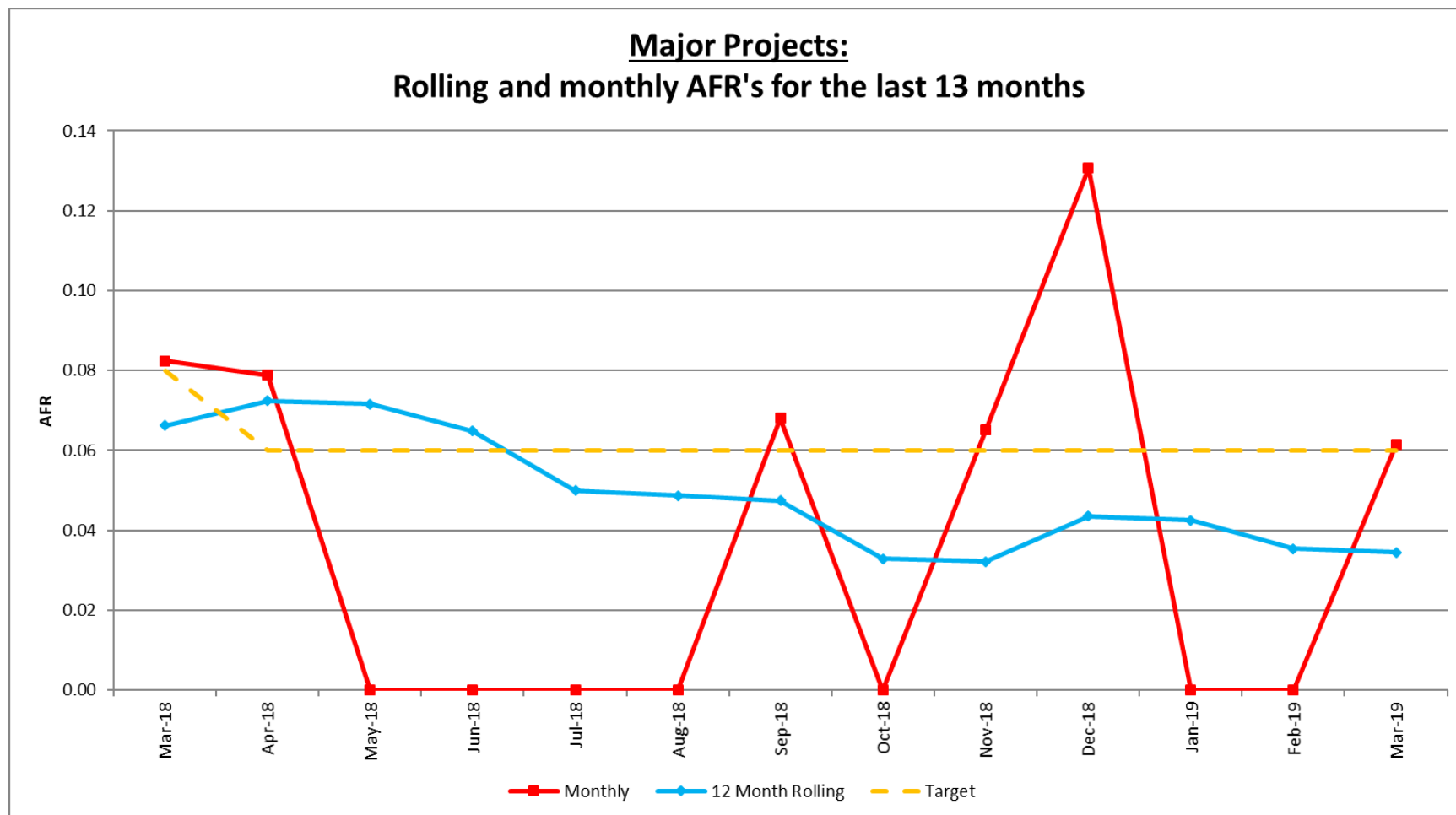
Accident Frequency Rate Overview

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	0.06	0.03	0.06	0 (0)	1 (3)	0 (3)	0 (0)	1 (6)	0 (0)
Operations	0.06	0.07	0.00	0 (0)	0 (6)	0 (9)	0 (0)	0 (15)	0 (1)
Supply Chain Total	0.06	0.05	0.03	0 (0)	1 (9)	0 (12)	0 (0)	1 (21)	0 (1)

¹ RIDDOR Dangerous Occurrences are not injuries so are not included in the AFR calculation

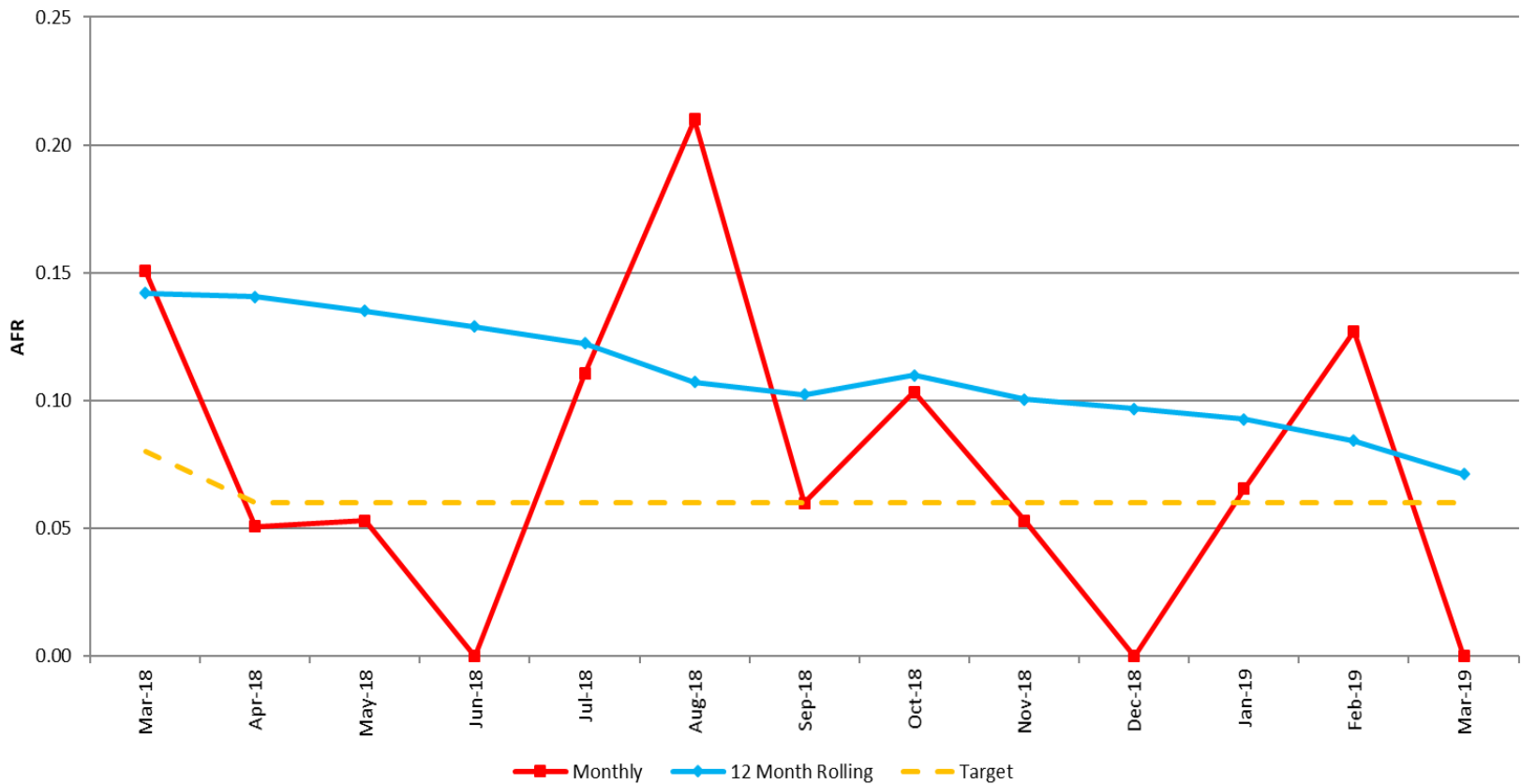
² This is the national AFR figure calculated using the hours worked in the TOS and RCCs.

Graph 1 – Rolling AFR for Supply Chain - Major Projects



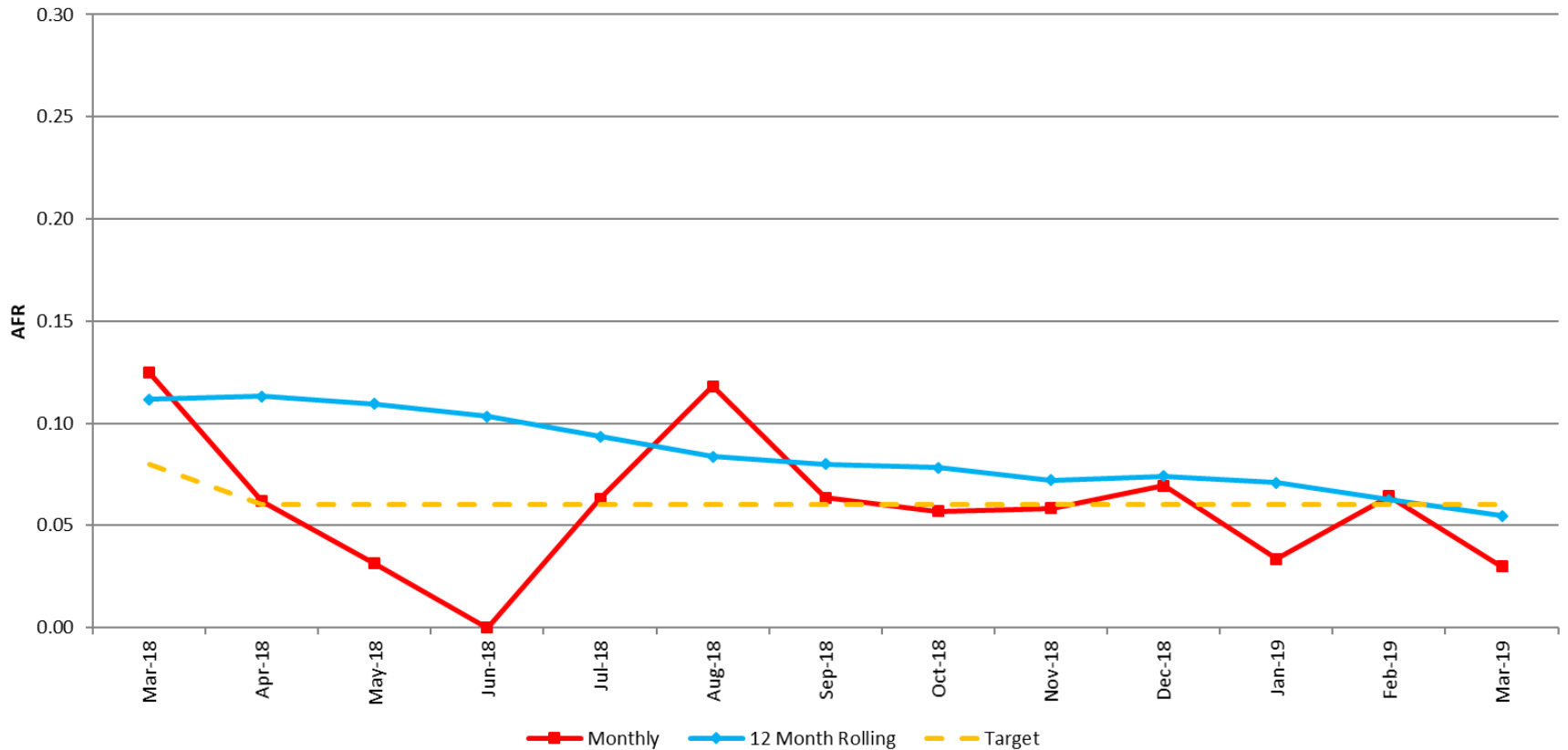
Graph 2 – Rolling AFR for Supply Chain - Operations

Supply Chain - Operations AFR's:
Rolling and monthly AFR's for the last 13 months



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 months



Performance by Supplier across the Supply Chain

Table 2 – Summary of 12 month rolling performance by supplier across all Supply Chain

Supplier	Hours worked	% hours worked	RIDDOR	Type of incidents				Mch AFR	Group AFR
				Fatality	Specified Injury	> 7 Day	Disease		
Kier Highways	9,660,849	25.19%	5	0	3	2	0	0.05	0.06
Balfour Beatty	4,024,888	10.50%	2	0	2	0	0	0.05	0.1
Skanska	3,662,817	9.55%	1	0	1	0	0	0.03	0
A-one+	3,314,034	8.64%	0	0	0	0	0	0.00	0.13
BAM Nuttall Ltd	2,776,331	7.24%	0	0	0	0	0	0.00	0.1
Connect Plus	2,057,447	5.37%	1	0	1	0	0	0.05	0.1
Costain	1,713,173	4.47%	0	0	0	0	0	0.00	0.07
Jacobs	1,364,525	3.56%	0	0	0	0	0	0.00	0
Amey (Highways)	1,032,738	2.69%	0	0	0	0	0	0.00	0.12
Atkins	874,720	2.28%	0	0	0	0	0	0.00	0
GeneSYS Telecommunications Ltd	480,495	1.25%	0	0	0	0	0	0.00	-
Sisk Lagan JV	439,841	1.15%	0	0	0	0	0	0.00	-
Ringway Ltd	431,022	1.12%	1	0	0	1	0	0.23	0
Vinci Construction	408,524	1.07%	0	0	0	0	0	0.00	-
Galliford Try	405,084	1.06%	1	0	0	1	0	0.25	-
AECOM	403,039	1.05%	1	0	0	1	0	0.25	-
HW Martin Ltd	384,097	1.00%	1	0	0	1	0	0.26	0
CHC Highways	308,169	0.80%	1	0	0	1	0	0.32	-
Morgan Sindall	179,779	0.47%	1	0	0	1	0	0.56	-
Osborne	171,295	0.45%	1	0	1	0	0	0.58	0
Tarmac Aggregates Ltd	169,251	0.44%	1	0	1	0	0	0.59	0
Graham Construction	115,650	0.30%	1	0	0	1	0	0.86	0
Forest Support Services	102,271	0.27%	1	0	0	1	0	0.98	1
FMG Support	8,836	0.02%	1	0	0	1	0	11.32	-
CC Ground Investigations Ltd	1,887	0.00%	1	0	0	1	0	52.99	-
Rest of Group (58)	3,853,775	10.05%	0	0	0	0	0	0.00	-
Grand Total	38,344,537	100.00%	21	0	9	12	0	0.05	-

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. Further information on Suppliers Performance can be found in **Appendix 1**.

Key > 0.13 0.13 ≥ & > 0.06 ≤ 0.06

Summary of Significant Supply Chain Incidents reported

There has been 1 RIDDOR accident in March

Date of incident	Location	Incident category	Overview of incident
18/03/2019	A14 Cambridge to Huntingdon	RIDDOR – Specified Injury	<p>An operative was part of the team who filled the water bowzers on the bridge deck to facilitate high pressure cleaning prior to waterproofing. The operative placed the water feed pipe in the water bowser and returned to the delivery bowser to turn on the water. The pump started and the increase in water pressure in the pipe caused it to eject from the bowser spraying water on the ground. The operative ran to where the pipe had fallen to place it back into bowser which caused them to slip on the water lying on top of the bridge deck water proofing. To cushion their fall the operative put their hands out which hit the ground breaking their wrist.</p> <p>Airsweb: 93994.</p>

Road User Performance and Road User Safety

Key Activities This Month:

- Our **Designated Funds Safety** programme is delivering targeted route treatments for single carriageway corridors, for example on the A49, A47 and A21 corridors. We are investing £77m by the end of this roads period on these corridors delivering a range of improvements, for example, enhance lining and signing, creating safer verges through removal of obstacles, improving visibility through vegetation clearance, improved vulnerable road user facilities, localised widening, overtaking bans and speed limit reviews. We will have completed approximately 100 schemes by the end of this financial year and developed a programme of future schemes for delivery in 2019/20. For example, improvements on the A64 between York and Scarborough, where we are investing over £3m in 2019/20 introducing village gateways, lower speed limits where appropriate at these locations, pedestrian refuges, improved crossing points, enhanced bus stop facilities, dedicated right turns and additional footways, applied consistently throughout the route. Designated Funds is also funding our suicide prevention programme at key locations across the network, for example more complex infrastructure improvements at M62 Scammonden Bridge and A19 Leven Valley being delivered in 2019/20.
- We are making good progress with the **Safety and Congestion Relief Programme**, with 60 schemes completed, 13 schemes in construction and 50 in development. All to be completed by March 2020. This includes a mixture of interventions, such as improved signage and white lining, new safety barriers on the mainline carriageway, improvement to the layout of a junction and slip road widening. We have additionally funded feasibility and design work at numerous locations to provide a strong pipeline of safety and congestion schemes in the next roads period. An example case study of a completed scheme is a £3m safety improvement to an accident black spot on the A64 at Barton Hill, east of York which removed a conflict point in the historic junction by converting a dangerous crossroad to a staggered junction, improved signage and pedestrian crossing route across the A64.



Road User Performance and Road User Safety – continued.

- We are delivering a full-update of all the road layout **Requirement & Advice Documents (RADs)** that will improve design standards and road safety whilst providing a more modern style of technical document. These updates consolidate the road layout standards into 17 reorganised design tools, a 43% reduction in document numbers from existing. The ongoing updates incorporate targeted technical changes based on recent Highways England research, aimed at delivering safety benefits immediately, i.e. measures to improve motorcycling safety and roundabout designs. The Road Layout Technical Project Board met March and was attended by representatives from Highways England, the Welsh Government, Transport Scotland, the Department for Regional Development Northern Ireland, DfT and Association of Directors of Environment, Economy, Planning and Transport. The Board endorsed all the documents presented, including Highway Link Design, Cross Sections & Headrooms and Lay-by Design. Working in collaboration with the Devolved Administrations we have agreed a programme of future highway engineering research that will include checks and challenges of long established engineering principles embedded in road layout design, i.e. forward visibility and impact of autonomous vehicles on lining/signing requirements, to assess if they remain fit-for-purpose to achieve optimum safety outcomes and encourage innovation.
- Two **road safety focussed CHE Memorandums** have been developed and published. The first mandates a review of all existing permanent '**maximum speed advisory**' traffic signs out on our network; the rationalising of these signs will improve overall speed compliance, improve customers confidence in signing set on our network, help reduce sign clutter and reduce the overall need for maintenance. The second provides and mandates the use of a toolkit for prioritising sites and selecting appropriate mitigation measures to reduce the risk of **wrong way driving** across the network. The toolkit highlights junction types where the risk is highest and brings together a variety of existing measures that can be used to combat wrong way driving ranging from quick wins to more long term higher cost solutions. Both CHE Memorandums require the identification, development and delivery of measures on the network within the next 12 – 18 months, these will be funded through Designated Funds.
- We continue to develop **evidence- based behavioural approaches** to improve road safety across the business. We are developing a suite of accessible e-learning modules that will help all staff understand Highways England's approach to road safety. The modules introduce the Safe Systems approach and behaviour change and what they mean for each of us in Highways England. These modules complement toolkits, guides, bespoke workshops and face to face training which are being developed and delivered in priority areas. Following testing they will be refined, and the intention is to make them available via Click2Learn and promote across the business targeting key user groups. We are working with Learning & Development and Communications colleagues to deliver the e-learning modules which will rolled out over summer 2019.

National Health & Safety Team Update

Safety Alerts: There were **7** Safety Alerts issued in the month:

- **HEi073 Highways England Safety Alert** - [Operative injured on Safety Fence](#)
- **HEi074 Highways England Safety Alert** - [Missing Inspection Chamber Cover](#)
- **HEi075 Highways England Safety Alert** – [Improvised Explosive Devices sent via Mail](#)
- **HEi076 Highways England Safety Alert** - [Road Bridge Crane Strike](#)
- **HEi077 Highways England Safety Alert** - [Suspected Vandalism](#)
- **HEi078 Highways England Safety Alert** - [Overturned Rider on Roller](#)
- **HEi079 - Highways England For Information Safety Alert** - [Trailer rolling off Low-Loader](#)

Site Inspections undertaken in March 2019

This month there has been **39** 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	167	0
Operations	22	10	29	298	0
Totals	39	16	44	465	0

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

Supply Chain Performance Tables

Table 4 – Major Projects Contractor Performance

Supplier	Rolling 12 months to March 2019								
	Hours Worked (12 Months)	Total RIDDORs	Fatality	Specified Injury	> 7 days	Disease	Minor Injuries	AFR	Feb. AFR
Skanska	3,662,817	1	0	1	0	0	6	0.03	0.00
Kier Highways	3,218,439	2	0	1	1	0	9	0.06	0.06
Balfour Beatty	2,524,326	1	0	1	0	0	11	0.04	0.04
Costain	1,713,173	0	0	0	0	0	4	0.00	0.06
Jacobs	1,332,745	0	0	0	0	0	0	0.00	0.00
BAM Nuttall Ltd	1,011,309	0	0	0	0	0	8	0.00	0.00
Atkins	874,720	0	0	0	0	0	1	0.00	0.00
Sisk Lagan JV	439,841	0	0	0	0	0	8	0.00	0.00
Vinci Construction	408,524	0	0	0	0	0	5	0.00	0.00
Galliford Try	399,924	1	0	0	1	0	3	0.25	0.28
AECOM	376,027	1	0	0	1	0	0	0.27	0.30
WSP	340,122	0	0	0	0	0	2	0.00	0.00
Mott MacDonald Ltd	228,917	0	0	0	0	0	3	0.00	0.00
Morgan Sindall	179,779	0	0	0	0	0	2	0.00	0.00
Interserve	177,651	0	0	0	0	0	1	0.00	0.00
Arcadis	104,072	0	0	0	0	0	0	0.00	0.00
Hyder Consulting	51,967	0	0	0	0	0	0	0.00	0.00
Redflex	51,748	0	0	0	0	0	0	0.00	0.00
John Sisk	49,645	0	0	0	0	0	1	0.00	0.00
Carnell Support Services Ltd	15,568	0	0	0	0	0	0	0.00	0.00
SWECO	13,171	0	0	0	0	0	0	0.00	0.00
Osborne	8,936	0	0	0	0	0	0	0.00	0.00
Hochtief	5,821	0	0	0	0	0	0	0.00	0.00
Amey (Highways)	628	0	0	0	0	0	0	0.00	0.00
Pre-construction/PC to be assigned	95,199	0	0	0	0	0	4	0.00	0.00
Grand Total	17,285,069	6	0	3	3	0	68	0.03	0.04

Key > 0.13 0.13 ≥ & > 0.06 ≤ 0.06

Supply Chain Performance Tables (continued)

Table 5 – Major Projects (Regional and Programme Performance)

Supplier	Rolling 12 months to March 2019								
	Hours Worked (12 Months)	Total RIDDORs	Fatality	Specified injury	> 7 Day	Disease	Minor Injuries	AFR	Feb AFR
RIP Overall	4,426,668	0	0	0	0	0	30	0.00	0.00
<i>RIP East</i>	283,211	0	0	0	0	0	1	0.00	0.00
<i>RIP Midlands</i>	406,875	0	0	0	0	0	0	0.00	0.00
<i>RIP North West</i>	1,250,713	0	0	0	0	0	1	0.00	0.00
<i>RIP South East</i>	1,092,162	0	0	0	0	0	11	0.00	0.00
<i>RIP South West</i>	307,177	0	0	0	0	0	3	0.00	0.00
<i>RIP Yorkshire and North East</i>	1,086,530	0	0	0	0	0	14	0.00	0.00
CIP	4,836,359	2	0	1	1	0	9	0.04	0.02
NIP	524,294	0	0	0	0	0	0	0.00	0.00
SMP	7,442,650	4	0	2	2	0	32	0.05	0.07
HS2	3,350	0	0	0	0	0	0	0.00	0.00
Redflex	51,748	0	0	0	0	0	0	0.00	0.00
Grand Total	17,285,069	6	0	3	3	0	71	0.03	0.04

Key > 0.13 0.13 ≥ & > 0.06 ≤ 0.06

Supply Chain Performance Tables (continued)

Table 9 Operations Contractor Performance

Area/Principal Contractor	Rolling 12 months to March 2019								
	Hours Worked (12 months)	Total RIDDORs	Fatality	Specified Injury	> 7 Days	Disease	Minor Injuries	AFR	Feb. AFR
East	1,545,444	3	0	1	2	0	6	0.19	0.18
Asset Support	912,459	1	0	0	1	0	5	0.11	0.11
CDF	563,314	2	0	1	1	0	0	0.36	0.34
DBFO	49,455	0	0	0	0	0	1	0.00	0.00
RTMC	20,216	0	0	0	0	0	0	0.00	0.00
Midlands	6,275,257	2	0	0	2	0	19	0.03	0.05
Asset Delivery	1,600,146	1	0	0	1	0	1	0.06	0.12
Asset Support	2,395,819	0	0	0	0	0	6	0.00	0.00
DBFO	50,554	0	0	0	0	0	0	0.00	0.00
Improvement Scheme	1,777,102	1	0	0	1	0	11	0.06	0.06
M6 Toll	296,360	0	0	0	0	0	0	0.00	0.00
RTMC	155,276	0	0	0	0	0	1	0.00	0.00
North East	3,226,320	2	0	1	1	0	7	0.06	0.06
Asset Delivery	782,145	2	0	1	1	0	2	0.26	0.26
Asset Support	1,818,939	0	0	0	0	0	3	0.00	0.00
DBFO	539,243	0	0	0	0	0	2	0.00	0.00
Improvement Scheme	32,787	0	0	0	0	0	0	0.00	0.00
RTMC	53,206	0	0	0	0	0	0	0.00	0.00
North West	1,885,414	2	0	2	0	0	3	0.11	0.10
Asset Delivery	815,696	1	0	1	0	0	1	0.12	0.12
Asset Support	1,034,693	1	0	1	0	0	2	0.10	0.09
RTMC	35,025	0	0	0	0	0	0	0.00	0.00
South East	6,118,219	2	0	2	0	0	13	0.03	0.06
Asset Support	3,880,871	1	0	1	0	0	5	0.03	0.02
DBFO	2,189,018	1	0	1	0	0	6	0.05	0.14
RTMC	48,330	0	0	0	0	0	2	0.00	0.00
South West	1,473,163	3	0	0	3	0	2	0.20	0.29
Asset Delivery	1,303,628	3	0	0	3	0	1	0.23	0.32
DBFO	55,110	0	0	0	0	0	0	0.00	0.00
Improvement Scheme	35,686	0	0	0	0	0	0	0.00	0.00
RTMC	39,170	0	0	0	0	0	0	0.00	0.00
Severn River Group	39,569	0	0	0	0	0	1	0.00	0.00
National	535,651	1	0	0	1	0	1	0.19	0.20
NGVR - Next Generation Vehicle Recovery	8,836	1	0	0	1	0	0	11.32	0.00
National Roads Telecommunication Services	480,495	0	0	0	0	0	0	0.00	0.00
ESCoRT	8,613	0	0	0	0	0	0	0.00	9.16
Efficiency and Noise Insulation Project	19,725	0	0	0	0	0	0	0.00	0.00
Property M.E.S. E	17,982	0	0	0	0	0	1	0.00	0.00
Grand Total	21,059,468	15	0	6	9	0	51	0.07	0.09