

Rail

June 2023

Octavius
Bringing People Together



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Welcome



Matt Smith

Managing Director, Rail

Welcome to our first newsletter for the rail business team and effectively my first as Rail Managing Director. I am tremendously proud of the projects we deliver, but even more so of the people that deliver them for us. They are the ones who are out there working all hours of the day, in all types of weather, to successfully deliver projects safely, working in harmony with the local communities, and putting sustainable outcomes at the centre of the works we deliver.

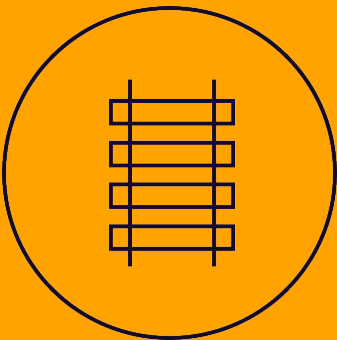
I have just spent the last week undertaking a series of engagement roadshows around the country with some of the fantastic people that work in our rail team, listening to their success stories and seeing how we can make things even better. I am amazed at the passion they show, and the dedication they have working on the railway.

We also recently held a supply chain event at The Oval which was fantastically attended by our key supply chain partners exploring how we can collaborate further, deliver even greater

value to our customers, and continuously improve safety performance for all our people.

The openness and commitment were exceptional, and the day clearly demonstrated to me how important our partners are to us, to enable us to deliver success to our customers – we are nothing without them.

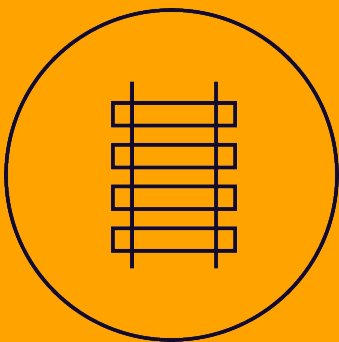
I hope you enjoy this newsletter, and that you can take a moment to celebrate some of projects and works we have successfully delivered over the previous months.



What does the Rail team do?

We efficiently design and deliver the full suite of rail infrastructure works in buildings, structures, earthworks, electrification and plant nationally in collaboration with our partners and suppliers. Our diverse portfolio of works range from reactive and planned maintenance through to complex multi-discipline projects in both renewals and enhancements funding streams. We use our excellent development, project management and construction skills to help solve problems for our customers. We do this through collaboration, adoption of Lean methodology and efficient processes to ensure we deliver right first-time solutions, that add real value.

We are passionate about safety and work tirelessly to ensure everyone goes home safely every day who is impacted by our works. We are also committed to put sustainability at the heart of all our activities, and those of our supply chain, to develop zero carbon solutions, drive our social value strategy, and create a positive legacy for our customers and the communities we work in.



Trowbridge team go above and beyond

Quick reaction saves lives and homes

A huge well done to our teams for their quick thinking when a fire broke out in a bin storage attached to a property close to our Trowbridge Road (Bradford-on-Avon) project. Actions by Ray Attard and Cory Bullock of our supply chain, Riviera Formwork and Kerin Construction, alongside our own Assistant Site Manager, Aron Frost and Graduate Engineer, Emilia Dawson, meant that a potentially life-threatening situation was dealt with safely and significant damage averted.

On noticing smoke, the team acted quickly by alerting the homeowner to the danger, assisting her to call the fire brigade and checking that she was OK throughout the incident. They used a foam extinguisher and sand to keep the fire under control until the fire brigade arrived.

The homeowner has expressed her gratitude for saving her, and her home, from what could have been a serious event; the fire brigade commended the team for their quick thinking.

Thank you to everyone involved for looking after our lineside neighbours.



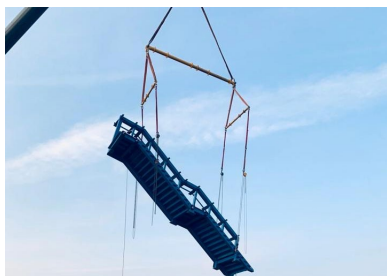
Excellent progress to delight our customer



Despite facing numerous challenges, the Trowbridge team have now made excellent progress. When the project commenced in October 2022, problems and delays were experienced through service diversions, limitations on possessions and tight site constraints.

The project scope consists of demolishing and replacing a single span overbridge, and the team have installed an insitu crash deck crash to allow works to be carried out safely over the live railway during normal daytime hours. The life expired bridge has been safely removed and concrete pour works for the sill beams have commenced.

Assured and safe delivery at Clapham



Congratulations to the Clapham Junction Station team who were out delivering critical enhancement and renewal works over the Easter weekend. All completed on time and without a single accident or incident; ensuring that everyone was able to return home safely to their families and friends.

Colleagues worked around the clock to remove the old staircase and install a new fully operational staircase for passengers using Platforms 13 & 14 all within four days. To help with this huge task our team had a 650-tonne crane on hand to ensure the works could be completed as quickly and safely as possible. The new wider staircase will help reduce congestion at the station and improve the overall passenger experience.

Despite several challenges including unforeseen issues, a worksite squeezed into 25metres on two platforms and some pretty atrocious weather on the final day, only due to a massive collaborative team effort from all involved we were able to achieve a successful outcome.

Since the Easter blockade, the team have been installing the new roofing panels over the staircase, progressing with installing new containment, slewing existing cables back into their permanent locations above the stairs, and completing the final elements to the updated passenger waiting room. Great progress has also been made in Brighton Yard, where we are remodelling the entrance to reduce congestion and increase passenger flow. The team are on track to complete phase one, which involved decommissioning the existing WHSmith retail unit, mechanical and electrical engineering (M&E) works and installing partition walls as part of the remodelling to install the toilets.

Thank you to all involved for completing all works safely and successfully. [Watch the crane in action over Easter.](#)

Making improvements on the railway to prevent accidents

To help prevent a potential accident from occurring, our Rail Services team responded to a Close Call raised by a South Eastern train driver who had difficulty seeing signal and banner repeaters, as the sunlight reflection of the footbridge obscured the signals.

Through collaboration with our customer the team arranged track access and successfully and safely completed an abnormal weekend possession at Waterloo East Station, to clean and paint the bridge lattice girders from white to blue to help ensure train drivers can see the important signal.

Despite difficulty accessing the bridge which required specially designed scaffolding and a large MEWP boom, all works were completed to plan and the worksite was safely handed back ahead of schedule.



Well done to everyone involved!

Making the railway accessible for all

Our One Team Wessex team have made a great start to improve accessibility across four stations in south London. The Access for All Scheme (AFA) is a government initiative to provide step free access and unobstructed routes within stations to help passengers with reduced mobility or those with young children in prams, to travel more easily around the infrastructure.

The scope varies across the locations including new footbridges with lift access to entrances, installing new larger lifts, demolishing part of the stations to make room for the new footbridges and relocating services.

- **Barnes** – Currently in the pre-construction phase and due to start on site in July. The team are currently developing the permanent works designs, engaging in temporary works design and finalising agreements with local stakeholders.
- **Motspur Park** – The ticket station office has been closed, enabling works have commenced including casting foundations for ticket machines and help point relocations, a temporary service bridge has been installed and water supplies have been relocated. The canopy is currently being stripped out and services are being slewed ahead of closing the footbridge.
- **Stoneleigh** – The team have recently started on site and begun enabling works including excavating and piling mat works, locating and slewing services and are currently safely removing asbestos.
- **Isleworth** - Great progress has been made with enabling works as the piling works have been completed, track is being monitored and works to construct the lifts is well underway.



3D visualisation of Barnes Station.



Construction of service cable bridge at Motspur Park.



Stoneleigh Station.



Isleworth 3D visualisation.

Overcoming challenges to improve access

Our team working at Walton on Thames; which is another government funded AFA project, are making great progress to provide obstacle-free accessible routes to and between platforms.

Resurfacing, foundation works and works to re-locate services have been completed. The team have faced several challenges including discovering uncharted services and constrained space.

To allow passengers to continue to navigate safely to and from Platform 2, the team have constructed a scaffold ramp, ensuring that we put the public first at all times whilst carrying out the works.

A weekend possession will be carried out in September to lift and install a new footbridge, using a 500 tonne crane.



Ryde Pier Head Station opens to passengers

Monday 10 July saw the Ryde Pier Head Station open to trains for the first time since last October, after significant work was completed.

The railway pier extends into the Solent and provides a link to the Isle of Wight ferries. The 143-year-old, 686-metre-long structure has been undergoing a programme of heavy maintenance and renewal to extend its life for another 60 years. Much of the work needed boats to bring materials to the pier and to give colleagues access to work on it; extreme weather and storms over the winter affected the time needed but it's now open to trains again.

The project was led by our One Team Wessex (OTW) team which is the collaborative relationship between Network Rail and Octavius responsible for the delivery of infrastructure enhancements and renewals in the Wessex route.

Watch this [short video](#) about the project.



None of this would've have been possible without our people, supply chain and their fantastic collaborative efforts. Thank you to all involved for your hard work and dedication to this challenging project which will provide a more reliable railway.

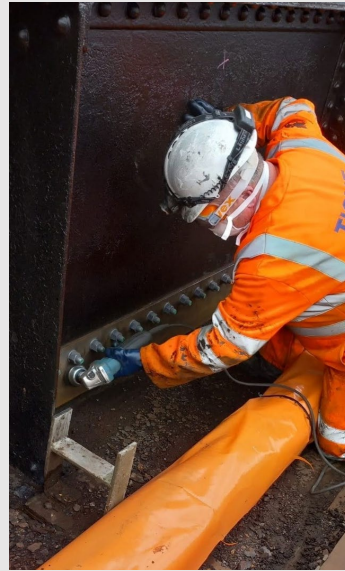
Going the extra mile to manage difficult environments

We're delighted to have successfully given five underbridges a new lease of life within Surrey, Kingston on Thames and Berkshire, following the completion of critical strengthening and refurbishment works. All works were delivered safely, under traffic management, ahead of schedule with the roads and footpaths reopened to traffic and pedestrians as soon as possible.

All renewal and enhancement works were carried out simultaneously since starting on site in January this year. The scope included preparing the surface, installing protective coatings, scaffold design, ecological surveys, emergent steelwork repairs, masonry restoration and bird-proofing measures. Additional works were also completed to further enhance and stabilise the structures including, installing chevrons to some of the structures and removing vegetation.

Our team collaborated from the offset with the relevant local authorities, our supply chain and specialist traffic management consultants to ensure all works were carried out safely and with minimal disruption to road users and neighbours. To allow full scaffolding access to the areas above the busy highways, bespoke encapsulated scaffolding was designed for each structure which contained dust and fumes to prevent it from releasing into the air. The scaffolding solution used also provided a lit pedestrian and cycle pathway to allow the public to continue to safely use the area.

Enormous congratulations to everyone involved for developing innovative solutions that delighted our customer.



[Watch this great short video about the project.](#)

Bringing communities together across the UK

Revitalising Wales and Western



Working in partnership / Gweithio mewn partneriaeth

Following our successful appointment to deliver renewals and enhancements work for Network Rail Wales and Western in the CP7 Stations and Buildings Framework, our team have already made some great progress. Having mobilised in April, they have now officially started development activities on our first projects at Wellington and Cullompton. Design works are well underway and environmental surveys are being carried out for the two new stations.

The framework includes renewals works such as canopies, buildings, depots, platform structures, car parks, and subways, as well as an enhancements portfolio which currently consists of five new railway stations and reopening one station.

Over the next 12 months the team will be focusing on progressing the design for the renewals work in the first year of CP7, in partnership with our supply chain to create innovative and efficient solutions.

We're delighted to be working in new locations and excited to make more progress throughout the next year!



Ecology Surveys in Wellington

Powering the railway for the next 10 years



Southern Renewals Enterprise

Earlier this year we were successfully appointed to deliver the electrification and plant elements of Network Rail's new Southern Integrated Delivery (SID) business partnership. It is a 10-year renewal framework for CP7 and CP8 2023-2034 bringing together the strengths and capabilities of our enterprise partners. Network Rail as the Capable owner and our ecosystem partners will be working under the innovative Project 13 model - a first for the railway industry.

We are one of five partners on the renewal framework, the other SID partners are VolkerFitzpatrick (buildings and civils), Atkins (signalling), VolkerRail (track) and Network Rail (minor works).

The way in which renewals work is delivered in the Southern Region is going through a transformational change. By merging the capabilities of Network Rail and the supply chain, an integrated and coordinated approach is being developed to deliver the efficiencies required by the ORR. This new model will be known as the Southern Renewals Enterprise (SRE).

It's an exciting time to deliver railway renewal works in a new and innovative way, and we're delighted to be part of it!

Work is expected to continue until Spring 2026.

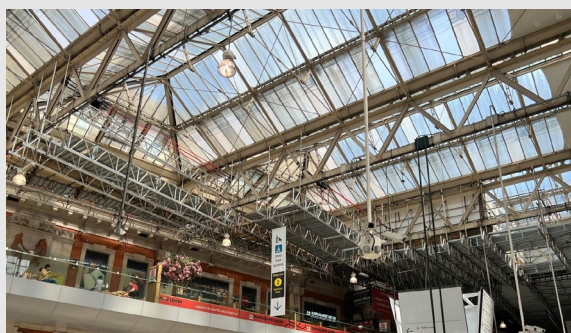
Roof renovations to brighten up Britain's busiest station

We're delighted to have finally begun works to revitalise Waterloo Station's 100-year-old roof. The scheme includes renewing the glazing on both the main Concourse and Porte Cochere roofs, it's all part of Network Rail's wider programme of works to provide a more modern and lighter station for the millions of passengers who pass through it every year.

To minimise disruption to passengers, we have designed a temporary external roof structure that will sit over the current station roof to divert rainwater into a temporary catchment system, whilst the existing glass panels are removed and replaced. The works will be completed in phases, with the scaffolding deck being moved across the concourse as the glazing work is progressed. Eight temporary staircases will be installed across the station to provide access for our team. To future proof the roof and make sure it's fit for purpose we will be replacing the existing Georgian glass across a total area of 11150 m², with 10,000 individual new polycarbonate glazing panes. The new panes are 50% lighter than the original glass and will reduce stress on the structure.

Since starting the works in April our team have been installing scaffolding access and closely collaborated with several third parties and supply chain to support events for the Coronation.

The team have completed setting up the internal bird cage scaffold and will soon move onto setting up the external temporary roof and the huge task of removing the glazing panes.



Improving the London Underground

Helping passengers travel around stations

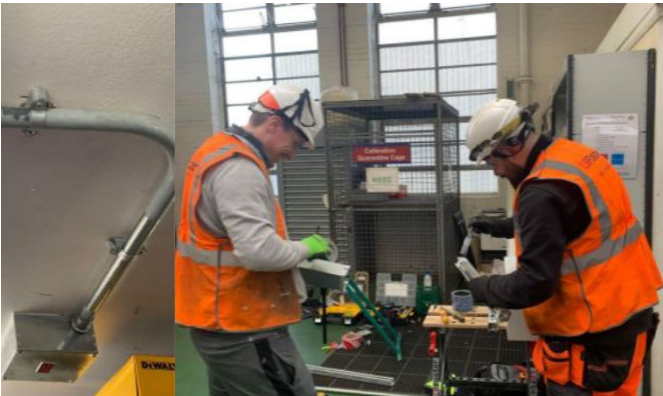
We're delighted that we have finalised design works for our Dockland Light Railway (DLR) lift packages. Our Rail for London (RFL) team will soon be starting on site, to begin installing and renewing life expired lifts simultaneously across various stations until mid 2026.

The package of works includes midlife overhauls of 15 lifts, removing and replacing 12 lifts and midlife overhauls of 15 machine-room-less lifts (MRL) across eight different locations.



Did you know that... it can take up to 10 weeks to remove and replace one lift.

Preventing fires across the Network



A huge congratulations to our team for successfully completing 25 weeks of works to upgrade and modify the fire systems across 8 locations.

Ensuring these systems are kept up to date is vital for protecting the network against fire, whilst also ensuring compliance with regulations. The updated fire systems allow early detection of fires, helping us to look after the network and the travelling public, and providing passengers with as much time as possible to evacuate.

Looking after the communities we work in



Social value delivered between January and May 2023



£2,315,356.62 social and environmental value delivered



£10,629,368.58 spend with supply chain in the community (within 40 miles)



£9,499,920.65 spend with supply chain in the community (40 miles plus)

Helping make the railway safer for everyone

Thank you to everyone who supported activities during Rail Safety Week, to help ensure that everyone working on and in contact with, our projects can go home safely every day.



Throughout the week our senior leadership team hosted online and site-based workshops including one held at our Trowbridge site alongside Kerrin Construction Limited. Sharing how we keep safety at the heart of everything we do, including our STOPTHINK! Fundamentals and our safety critical communications training.



Social media spotlight

01 Daniel Parkes • 2nd Senior Programme Manager at Network Rail
+ Follow

Rail Safety Week- Day 1


Across the B&C Western & Wales portfolio a series of targeted briefings, stand downs, positive engagement sessions and site tours have been arranged across sites & suppliers.

Today, supply chain partner **Octavius Infrastructure Limited** hosted a session at Trowbridge Road in Bradford on Avon, this consisted of:


- Site Tour 🟢
- Briefing on Buried services with, STOP, Think, Prove it initiative
- Recognition of positive safety intervention 🙌🏻
- Lesson Learnt from previous

The session was supported by members of Construction, Safety, Commercial & delivery from NR, Octavius & wider supply chain.

Great morning, focusing on an important and pertinent topic across the B&C portfolio, with proactive initiatives and site was really coming along too!
Special thanks to **James Mendis, Lawrence Houghton Johnathan Reid (MAPM)** for organising



02



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You and 23 others

4 comments

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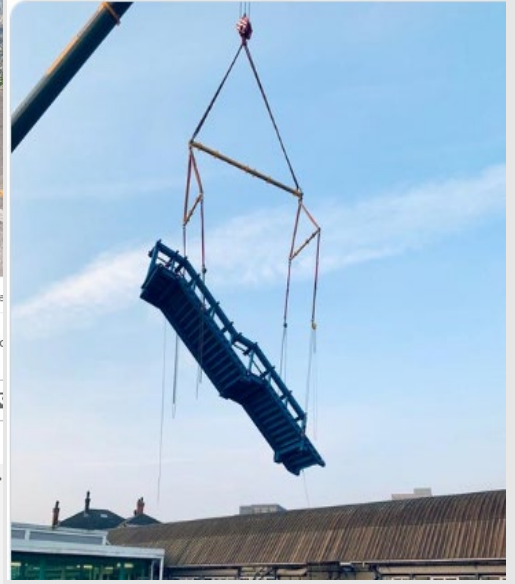
Stephanie Gibbons-Ruane • 2nd Self-employed consultant
2w

Yes! Thank you again to this incredibly kind, calm, courageous and quick thinking team. I'm so grateful. You truly went above and beyond.

03 Rail Wessex @NetworkRailWssx · Apr 11

At Clapham Junction, our teams (with an 80m crane) worked hard to demolish, remove and install a new staircase on platforms 13 and 14

A mammoth task in just four days, look out for some videos and tweets later this week as we show you behind the scenes of this work



Social Media Captions

01. Rail Safety Week at Trowbridge – Network Rail Programme Manager, LinkedIn

02. Trowbridge fire – lineside neighbour, LinkedIn.

03. Clapham Junction Easter blockade – Network Rail, Twitter.

04. Western and Wales contract – LinkedIn

05. Motspur Park Station AFA – Rail Business Daily

07. Bank holiday success at Clapham Station – Tim Walden, Southern Capital Delivery Director.


08. Western and Wales team conference – LinkedIn.

03 Network Rail

Waterloo's 100-year-old station roof is being given a face-lift to give it a brighter welcome to the capital.

Approximately 10,000 new glazed panels will be installed across 12,000 square metres of roof.


networkrailmediacentre.co.uk/news/network-r-...
@LondonWaterloo



04 Solute Group


Octavius selected as Network Rail Southern region's E&P delivery partner: 2024 - 2034 - Octavius

octaviusinfrastructure.co.uk · 2 min read



05 Business Daily


Network Rail has announced that £8.9 million is being invested in new lifts and walkways installed among other upgrades at Motspur Park station in south London.



06 Charles Hammerton • 2nd Railway Engineer

Week 8 - Ryde pier renewal

The first zone is coming to an end shortly with this section of install being completed **Sonic Rail Services Ltd**. Working along side **Octavius Infrastructure Limited** and **McNealy Brown Limited**



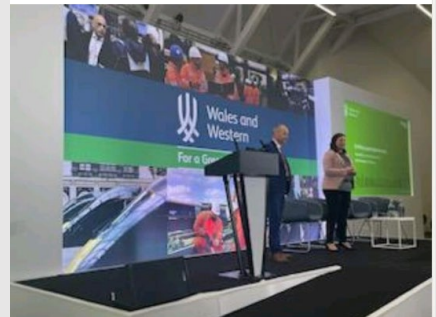
07 Tim Walden • 2nd Senior Delivery Director at Network Rail

Completion of the Mountfield Tunnel works this weekend just gone, we have successfully seen our Easter programme of works delivered. Many thanks to **Rhomborg Sersa Rail Group (UK)** and everyone else at Mountfield for getting the work delivered.

But this wasn't the only work that we've delivered together. The **South Rail Systems Alliance (SRSA)** completed two cracking jobs at Streatham and Basingstoke. **Octavius Infrastructure Limited** got the new stairs in on Clapham Junction platforms 13/14 making access to those platforms so much easier, plus the vast volume of other works delivered by NR and all our supply chain colleagues.

08 Dowsett • 1st Executive Officer at Octavius Infrastructure Ltd

Delighted to be present today with Lisa Smith at Network Rail's Wales and Western Team Briefing, giving a suppliers perspective on the move to an Intelligent Client Model in CP7.



What's next?

- **Waterloo Ticket Office re-location** - progress with developing surveys for new ticket office and associated areas.
- **Waterloo Station Roof** – Progress with installing the external temporary roof, glazing removal, painting, steelwork installation, new glazing installation and scaffolding to the next phase area.
- **Clapham Junction 2A (Brighton Yard)** - progress with floor tiling, cladding and stripping out existing toilets.
- **Clapham Junction 2B (Platform 13/14 Stairs)**- complete waiting room and cladding to stairs.
- Begin Ryde Pier zone 1 renewal works.
- **AFAS:**
 - **Barnes** – Set up site, progress with enabling works, service diversions, groundwork, off site lifts and steel fabrication of structures.
 - **Motspur Park** – Progress with enabling works which includes demolishing ticket office station building and part of the canopy structure. Also, begin piling works for constructing the lifts, stairs and footbridge.
 - **Isleworth** - Piling and constructing lift pits, install steel, brickwork and steel fabrication of structures. Also, install new Distribution Network Operator.
 - **Stoneleigh** – Progress with enabling works including ground works, piling, off site lifts and steel procurement.
- **Walton on Thames** - complete a weekend possession in September to lift and install a new footbridge, using a 500-tonne crane.

Wales and Western

- Support Network Rail with launching their intelligent client model in September 2023.
- Progress with mobilising projects and a delivery team.
- Progress with designs for the new Wellington and Cullompton stations.
- Commence development of renewals work bank for year 1 of CP7.

Southern

Our SID framework team will be further developing schemes ready for the start of CP7 as well as designing all the processes and procedures.

What's next?

- Complete a five-day blockade between Farncombe to Petersfield to complete civils works, as part of the ongoing signalling programme.
- **Honiton Cutting** – Complete portal nailing, design deliverables for soil nailing on the Upside. Install king post walls, the targeted nailing and earthworks regrade on the Downside.

OTW Geotech schemes:

- Complete Grazeley, Star Lane, Farnborough Cutting, Bugley and Gomshall projects.
- Tamping at both Bugley and Grazeley rapid response sites and remove speed restriction at Grazeley to line speed.
- Contract execution and mobilisation/enabling works at Gillingham and Crewkerne London end schemes.
- At Honiton progress with drainage and nailing works on the Upside cutting, reprofiling haul road earthworks downside cutting.
- **Grays AFA** – Complete GRIP 5 design, mobilisation, set up site and commence enabling works/hoarding set up and civils works.
- **London trams Birkbeck tram stop** – review design and prepare to start onsite.
- Complete minor tender works for London Underground.
- **DLR combined lift package** - progress with renewing and installing new lifts across various locations.

If you have any feedback or if you would like to contribute to the next issue, please email: anjni.thakrar@octaviusinfrastructure.co.uk