





# UnbelEAFable!? Tram projects as part of responsible and sustainable urban development





- A brief introduction to the alliance (for those who don't know us!);
- What a typical project looks like at the MMA;
- Birmingham always was a cutting-edge city with a focus on sustainability;
- Introducing the Birmingham Eastside Metro extension;
- How delivering at the alliance actually works:
  - Sustainability
  - Safety
  - Community Support
  - Benefiting local people and businesses
  - Innovation
- Some of the challenges we face on a day-to-day business.



# **About us:**

Nine international partners

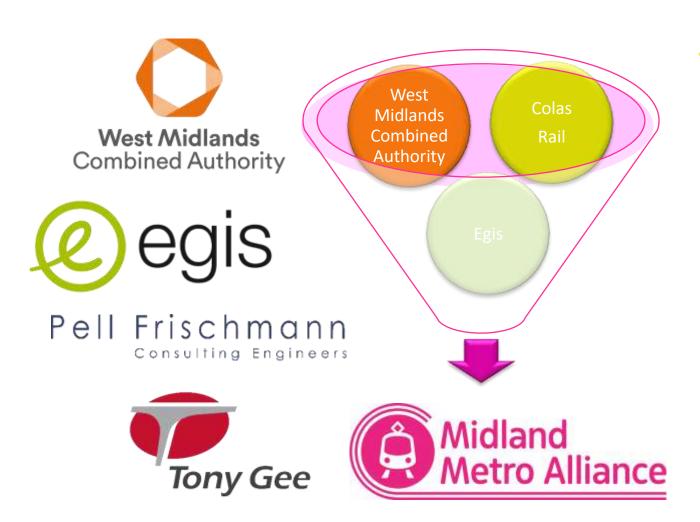
 A decade of light rail activity and investment in the region

- Four tram extensions + two renewals
- More than 34km of track to be added
- 25+ new tram stops
- Catenary free in places
- Adding social benefit for the West Midlands now and in the future





# Who is Midland Metro Alliance:





A SUSTAINABLE FUTURE



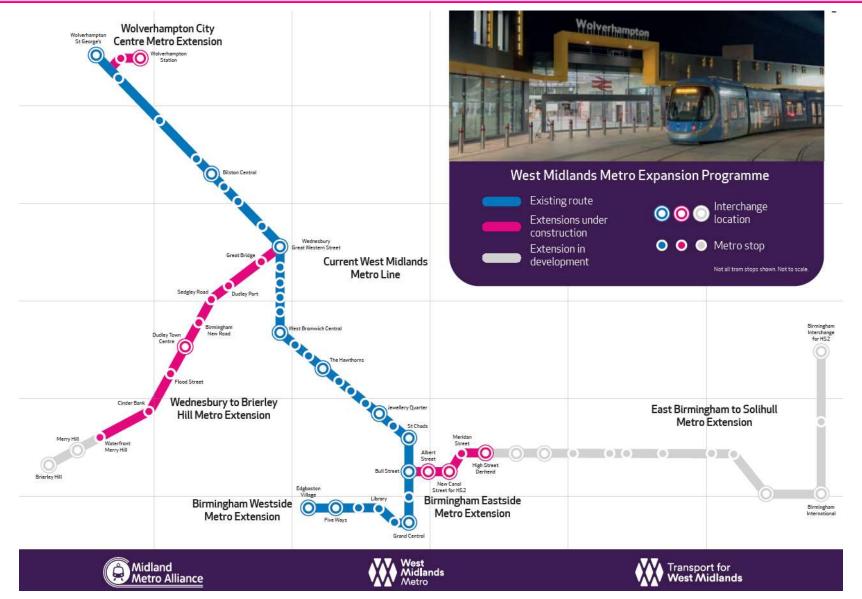








# What we're delivering:





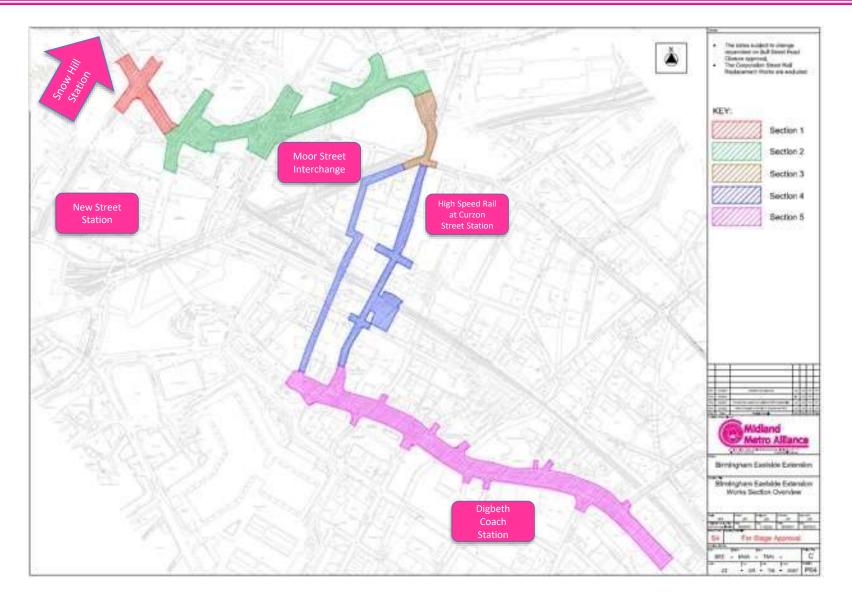
# Birmingham – a trailblazer for sustainability and light rail:



- The city of Birmingham has shown a massive commitment to being green
- From implementing measures like the Clean Air
   Zone
- To championing green transport expansions like the Metro, cross-city lines and suburban station refurbs
- The 2022 Commonwealth Games illustrated the city's ability to bring online additional green transport links
- And we're proud that the Birmingham Eastside Metro Extension will add to the sustainable transport offerings for the city
- And linking more citizens in the West Midlands to greener transport offerings including High Speed Rail at Curzon Street Station and local and national trains at Moor Street interchange



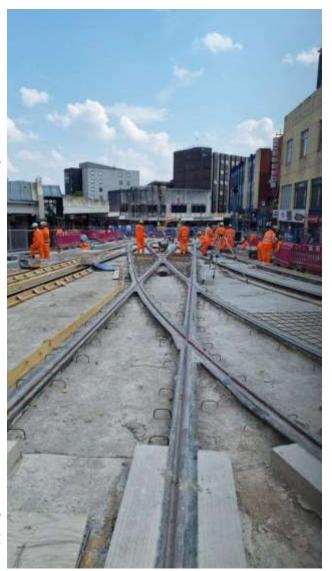
# The Birmingham Eastside Metro Extension





# The stat sheet

- Scope: The main route: 1.7km of double track + urban realm programme in Birmingham's creative quarter, Digbeth (completed at the end of 2022);
- Construction timeline: being delivered in sections with sections one (City Centre), two (Moor Street Queensway) and five (Digbeth) to be completed by April 2025, and the rest after HS2 delivery;
- Safety: Our No1 priority (with multiple "Free to be Safe" Champions who helped us to achieve incredible safety performance in the last year);
- Award-winning: Delta junction design and construction scooped Global Light Rail Awards Engineering Initiative of the Year in 2021
- Giving back as we deliver: Championing EDI, upskilling local people and ensuring we deliver sustainably at all times.
- A global, yet local, high-profile project for Birmingham, designed to help more of the West Midlands make the most out of High Speed Rail







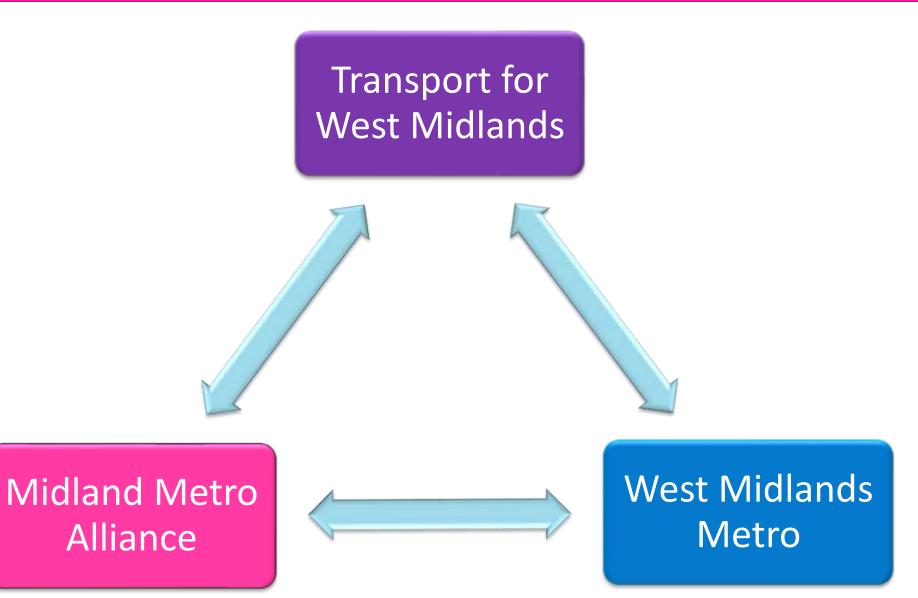


# The scheme: An update from Hamish





## **Metro Development**





## Metro development

Transport for West Midlands

Outline Business Case Transport and Works Act Order

Detailed Design

Commercial (QS for materials, plant, etc.)

Target Cost first estimate

Design
Management,
including review
processes



Midland Metro Alliance



## Metro development (cont)

West Midlands Metro

Detailed Design Completion

Construction

Delivery support (Design, Commercial, HR, Communications and stakeholder liaison)

Target costs (second estimate)

Handover

Testing and Commissioning

Passenger Service



Midland Metro Alliance



## Because there's no plan(et) b...







## Sustainability at the heart of what we do...

Green initiatives like switching to plant-based fuel options, ditching diesel generators for solar to power lighting and site welfare and using earth-friendly concrete mixes helped us prevent almost 2,000 tons of CO2 last year across the alliance.

And we're on track to save even more this year with colleagues considering both personal and professional impacts they have on the environment.



## Delivering at pace, but safely...

As an organisation, the MMA continues to have an enviable safety record

recently celebrating the milestone of a whole year (equating to 1.5m working hours) without a lost time injury.

- Our positive performance isn't just down to:
  - Safety meetings
  - Close calls / Safety conversations, or
  - o our policies and procedures

But because everyone in the organisation recognises the importance of safety – from back-office support staff, to the teams on-site and middle / senior managers

**Everyone knows safety is our main priority** 

...and wellbeing is massively important to us too as a main workstream for our colleagues





#### Minter Widleson

Tis the season for bugs and viruses but there are several things you can do to help reduce the risk, including getting your winter vaccinations and using the NHS 111 service first for any urgent medical need.

Ways you can reduce or slow the spread of infections include:

- Wash your hands frequently. Gearing your hands is one of the simplest, cheepest and most effective ways to prevent germs being, passed from person to person (it is recommended to wish for 20 – 40 seconds to effectively clean hands).
- Stay home if you are sick (so you do not spread the illness to othe people)
- Use a tissue, or cough and sneson into your arm, not your hand.
   Turn away from other people.
- Use single-use tissues. Dispose of the tissue immediately
- Wash your hands after coughing, sneezing or using tissues.
   At home, with children, have them play with hard surface toys that
- Do not touch your eyes, nose or mouth (viruses can stansfer from your hands and into the body)
- Dunot share cupi, glasses, dishes or cuttery.

#### Sepsis



can be easily deemed.

Separa is the body's life-threatening overcontain is an intertion. Without tradely treatment, separa correspidy lead to organ laken and death, but it is often metable if cought spackly. That's why it's important to local the signs to lock for.

#### ation Solf-Com Adopted Colombia



The lead up to Christmas con be a busy, stressful and overwhelming time. It is an especially important time to take a break and make sure that you're looking after yourself, to be able to stay healthy.

This Self-Care Advent Calendor is full of great ideas to support, wellbeing through a busy period, helping you to relox and unwind in the lead up to Christmas!

#### Cast of Living Support

Some of us can also feel deflated over the winter months, especially with the rising cost of living.

Militars of people across the UK are struggling to cover their essential household costs.

The 'cost of living crisis' means we're all poying a lot more for energy and food, as we'll as things like rent and fuel.





# The programme gives back, too...





## Making sure no-one is excluded...





### **Encourage and appreciate difference...**

We celebrate and support neurodivergent colleagues on apprenticeship programmes and graduate schemes with training and mentorship

### Mobility for all...

We ensure mobility for the future generation by conceiving and building an inclusive design, both for definitive or temporary measures.

As well, as creating an inclusive working environment, via safe walking zones for external visitors to site and ramps for disabled access.

### Raising our level...

We consider Equity, Diversity and Inclusion as a huge opportunity for improvement, and not as a compliance criteria;

We work hard to be open about our organisation being supportive of diversity backgrounds such as age, nationality, religion, sexuality, gender identify, education etc.



## What others are saying about us...



It's #BirminghamPride this weekend and I'm proud to work for an organisation that's got into the spirit and has the rainbows out on our site fencing (this time, for the design's first outing, in Digbeth).

It also means it's time for my annual #PRIDESelfie!





Laura Creaven @lauracreaven - 24/05/2023 Replying to @RemyLeSeau

they've been up for a while and I'm very please they are as they're a

#### Design team bag "commended" status for bridge designs from industry body



Colleagues in the design and Wednesbury to Brierley Hill teams are celebrating after their designs for three structures in the second phase of the Metro scheme were recognised at a recent awards ceremony.

The designs (for MMA2, MMA3, and MMA4) which are planned to be constructed to guide the tram from the Waterfront businesses to the disused rail corridor, were commended in the infrastructure category of The Institution of Structural Engineers annual awards ceremony for the Midland Counties which took place took place in Birmingham on 17 November.

#### Eastside project receives stamp of approval from BSI - by Richard Crute Morris

In the last issue of inside Trock, we mentioned the British Standards Institution's (BSI) annual audit, assessing our Alliance Management System and our quality, health and safety, sustainability and environmental and wellbeing processes.

The audit was held over three days (7 to 9 June), with the middle day taking place at Summer Lane and incorporating a site visit.

The outcome of the audit was excellent, with no nonconformities being found. This is the first time the MMA has achieved this in the six years of having independent BSI assessments. Huge congratulations to all those who engaged with the audit this year.

Scheme earns top marks in Considerate Constructors Scheme audit



Manitors from the Considerate Constructors Scheme (CCS), who inspect construction sites to check replayee satisfaction, sustainability and respect for the community, have awarded the Wednesbury to terley Hill construction project top marks in a recent audit.

sectors praised the environmental awareness across the site, including using sustainable materials and recycling heavily and they also recognised the health and wellbeing support provided for team members. including considerable focus on mental health and safety training

The MMA's commitment to education was also spotlighted with a particular focus on introducing local eople to the industry through work placements, apprenticeships, graduate schemes and a considerable programme of engagement with local schools and colleges. You can read more about these initiatives on in the new Scoop on Skills page.

#### Fearn go above and beyond

The WCCE team have been praised for going above and beyond.

They ensured that replacement buses could be used across the Station Plaza during the Commonwealth Games, amid potential ail strikes as well as making sure the area is presentable for the



#### Super sweepers praised by public

Operatives working at the Sedgley Road East compound have been complimented by a local resident for their 'superb' job in keeping the entrance to the site clear.

Kuldeep Singh and Rajesh Kumar have been recognised for the pride they take in ensuring the area is clean and tidy.

In a post on social media, the resident said: "Whoever

sweeps the pavement and road outside the site does a superb job."

### Simon and Aaron's lifesaving actions recognised by ambulance service

Following our story in February's issue about Simon Dicken and Aaron Lynch helping to save the life of a member of the public, the West Midlands Ambulance Service has praised their quick-thinking actions.

The BEE operatives bravely sprang into action to administer first aid on a man who had suffered a cardiac arrest in Lower Bull Street, helping to save his life.

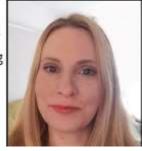


A spokesperson from the West Midlands Ambulance Service, said: "[We] would like to take the opportunity to praise the actions of the quick-thinking by standers who played a significant part in helping save the man's life by starting CPR. Every second is vital when trying to save someone's life who is in cardiac arrest, and by acting quickly, the man was given the very best chance of surviving in this case. We would encourage anyone who can, to undertake first aid training, as one day it could be your turn to save a life."

#### Jenny shortlisted for Wellbeing Hero Award

Jenny Mullett is in the running to scoop a top award in recognition of her work to promote health and wellbeing at the MMA.

Jenny has been shortlisted in the Wellbeing Hero category of the Rail Wellbeing Live Wellbeing Hero Awards, which recognises individuals and teams who go above and beyond their day job to support others in the rail industry.





# Lending a helping hand for local business...

### Our works can be disruptive...

So we do our best to try and ensure those businesses we're working beside and prepared and supported;

#### **Dedicated liaison...**

We employ a dedicated team to work the residents and businesses and keep them updated about what the next phase of works might mean for the local area;

### And award-winning progress updates...

We publish regular updates, across social media, engaging with the media and through dedicated publications so locals see the benefit of the works we're undertaking;

### With proactive marketing support as needed...

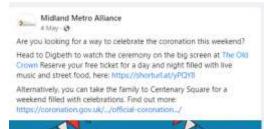
If our works mean that a business a bit more support, we work with them to offer bespoke marketing to promote the business and that the area in which we're working is open as usual;

...and we procure our supplies from local businesses, where possible, too.













## **Innovation Station...**

### Innovation is encouraged...

From technological marvels including drone and AI progress updates and combining satellite data with ground penetrating radar data, we're always looking forward to the next big thing to make design and construction faster, safer and more cost efficient;

### ...But innovation doesn't need to be high-tech

One of our most successful innovations was related to reminding staff of our life saving rules by using stencils and spray





# There can sometimes be challenges...

One of the biggest challenges is scope creep.

Some examples of out of process requests which, at times, might require some redesign:

- Technical design changes late approval;
- Moving a tram stop to benefit their new development;
- Urban realm finish changes.





# How the alliancing mitigates these issues

Assurance is **embedded in the programme** 

Strengthened review and readiness processes with all partners, including...

...close operator involvement in alliance processes

The alliance is **collaborative by design** 

Short decision time in change process.









Now more than half-way into the MMA's initial programme, we've achieved a lot, in really challenging times.

We've grown through these challenges and come out of the other side a more resilient organisation and offer a real case-study of how light rail alliancing can deliver schemes, and social change, to local areas in a cost-effective way for clients.

We're really excited for you all to experience what we've delivering in Birmingham and the Black Country.