Leicestershire County Council

North and East Melton Mowbray Distributor Road – Excellence in Collaboration





LCRIG – Thursday 8th October 2026

GallifordTry

AECOM

Leicestershire County Council

Speakers

Mike Barnett

Interim Assistant Director
Highways and Transport
Leicestershire County Council



Jamie Missenden

Contracts Director – Galliford Try



Overview





- Over 1,100 employees within department
- Annual £120m revenue budgets
- 270m 4-year capital programme
- Ambitious growth plans
  - Strategic Growth Plan projected need to 91,400 dwellings and 334 ha of employment land across Leicester and Leicestershire from 2020 to 2036
  - Strategic sites across the County including East Midlands Airport and Gateway Industrial Cluster
- Continued investment in public transport infrastructure

What we are covering

- What and Why
- Excellence in Collaboration – Procurement
- Excellence in Collaboration – Delivery
  - Visualisation, PAS2080 Carbon Hierarchy, Engineering Challenge, Value Engineering
  - Health, Safety and Well Being, Environmental Considerations, Technology in Safety, Carbon Performance
- Excellence in Collaboration – Communications
- Excellence in Collaboration – People and Social Value

Funded by UK Government

What and Why

What is the NE MMDR?

- It is 7.1km long
- It has **six roundabouts**, **four bridges** and numerous culverts
- There is a **river diversion** in a Site of Special Scientific Interest
- It is single carriageway
- It includes cycle and walking facilities
- It has cost approximately **£134m**



Considerate Constructors Scheme
Funded by UK Government
llep Leicester & Leicestershire Enterprise Partnership
Leicestershire County Council
GallifordTry
AECOM
TOGETHER DELIVERING FOR MELTON
MHA Midlands Highway Alliance Driving Collaboration

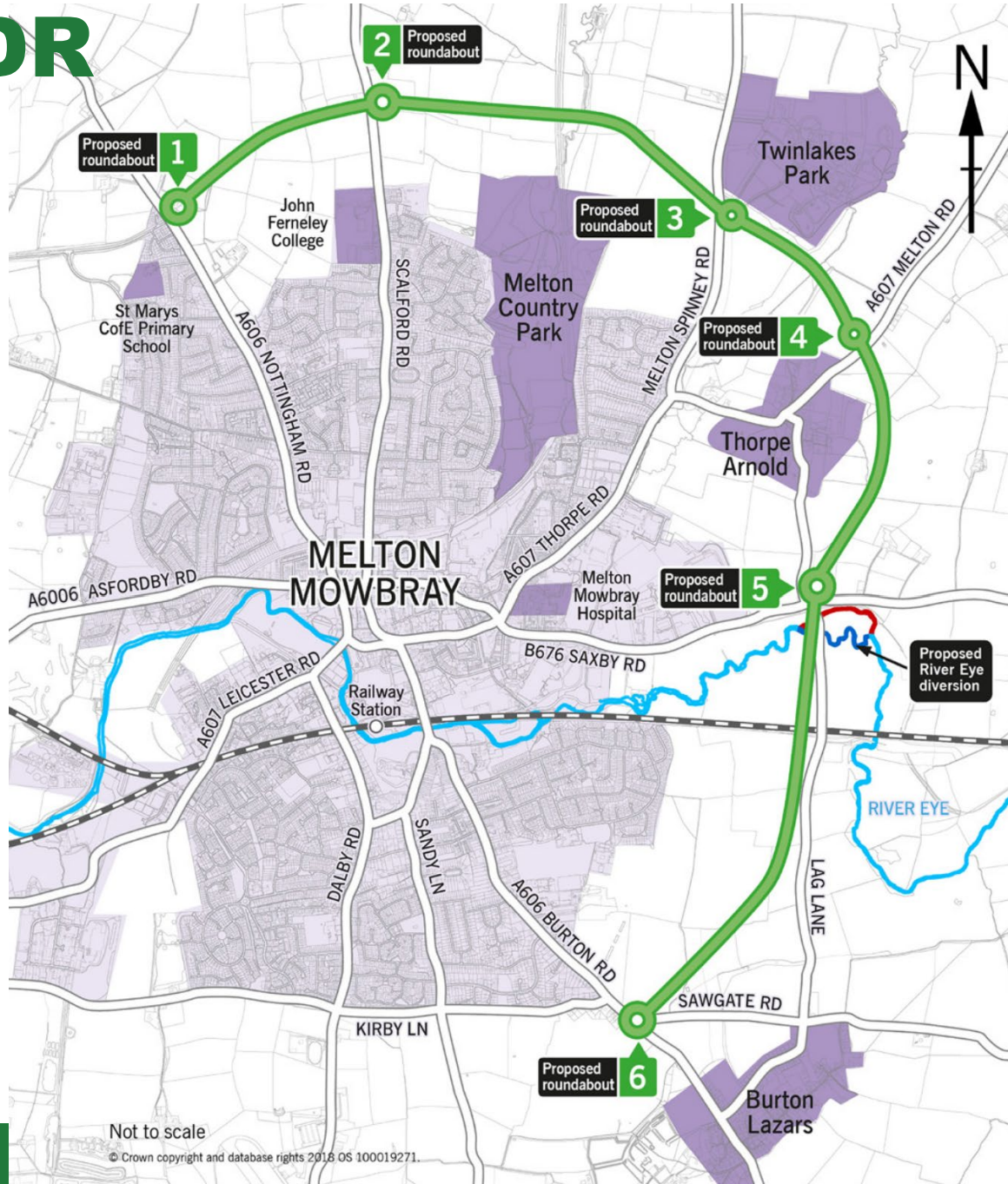
Why did LCC need NE MMDR

Benefits

- To reduce congestion in Melton town centre
- To improve journey time reliability
- To reduce noise/improve air quality
- To improve highway safety
- To increase sustainable travel

Postive Impacts:

- Facilitating the local plan of approximately 4,500 dwellings
- The growth potential – access to jobs/retail
- The employment opportunities for approximately 6,000 jobs
- The enhanced town centre vitality / support regeneration
- The improved health outcomes



Excellence in Collaboration – Procurement

Midlands Highway Alliance Plus

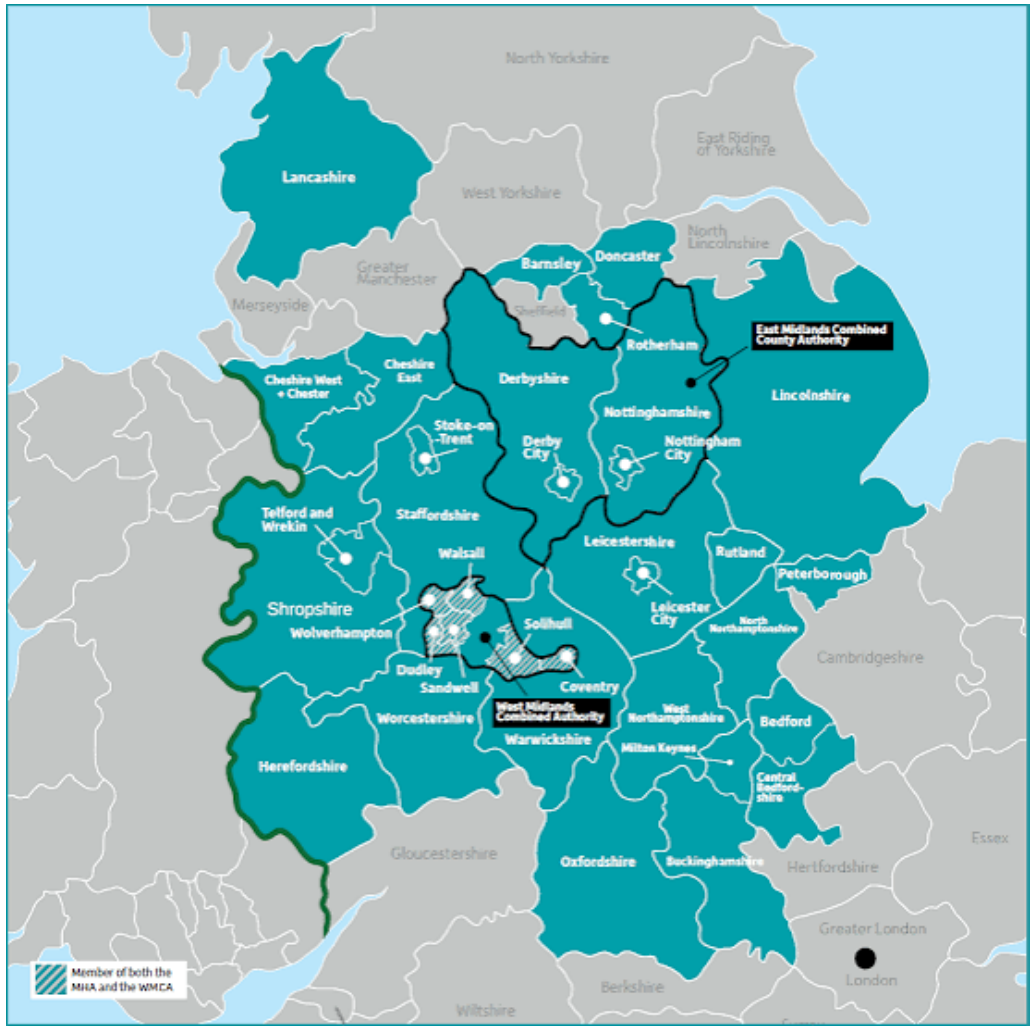
Leicestershire County Council is the lead authority

Partnership of 38 local highway and strategic authorities, key aims

- Develop and share best practice in developing highway services
- Provide effective routes to market that reflect best value, quality and innovation
  - Professional Services Partnership
  - Medium Schemes Framework
- Influence the national agenda by direct participation and lobbying

AECOM - Started outline design in 2017 under the PSP2 Framework

Galliford Try – Mini-competition and started ECI in 2018 under the MSF3 Framework



Excellence in Collaboration – Delivery

CDM, Principal Designer Role,
Risk Assessments, Design for Maintenance

Highway Design, Pavements, Drainage, Lighting,
Utilities, Non-Motorised Users
Road Safety Audit, Traffic Signals

Leicestershire County Council

Collaborative Planning Workshops

Flood Risk, Water Framework Directive,
Hydromorphology, Flood compensation

Buildability Reviews, Clash Checks,
construction scenarios/phasing

Ecology, Archaeology, Noise, Air Quality,
Landscaping, Environmental Statement

Data collection/surveys, Traffic
Modelling, operational assessments,
economics, accident assessments

Compulsory Purchase, Side Road
Orders, Landowners, Public Enquiry

Topographical Surveys, Ecology
Surveys, Archaeology, Groundwater,
Contaminated Land

Landowner Meetings, Public
Exhibitions

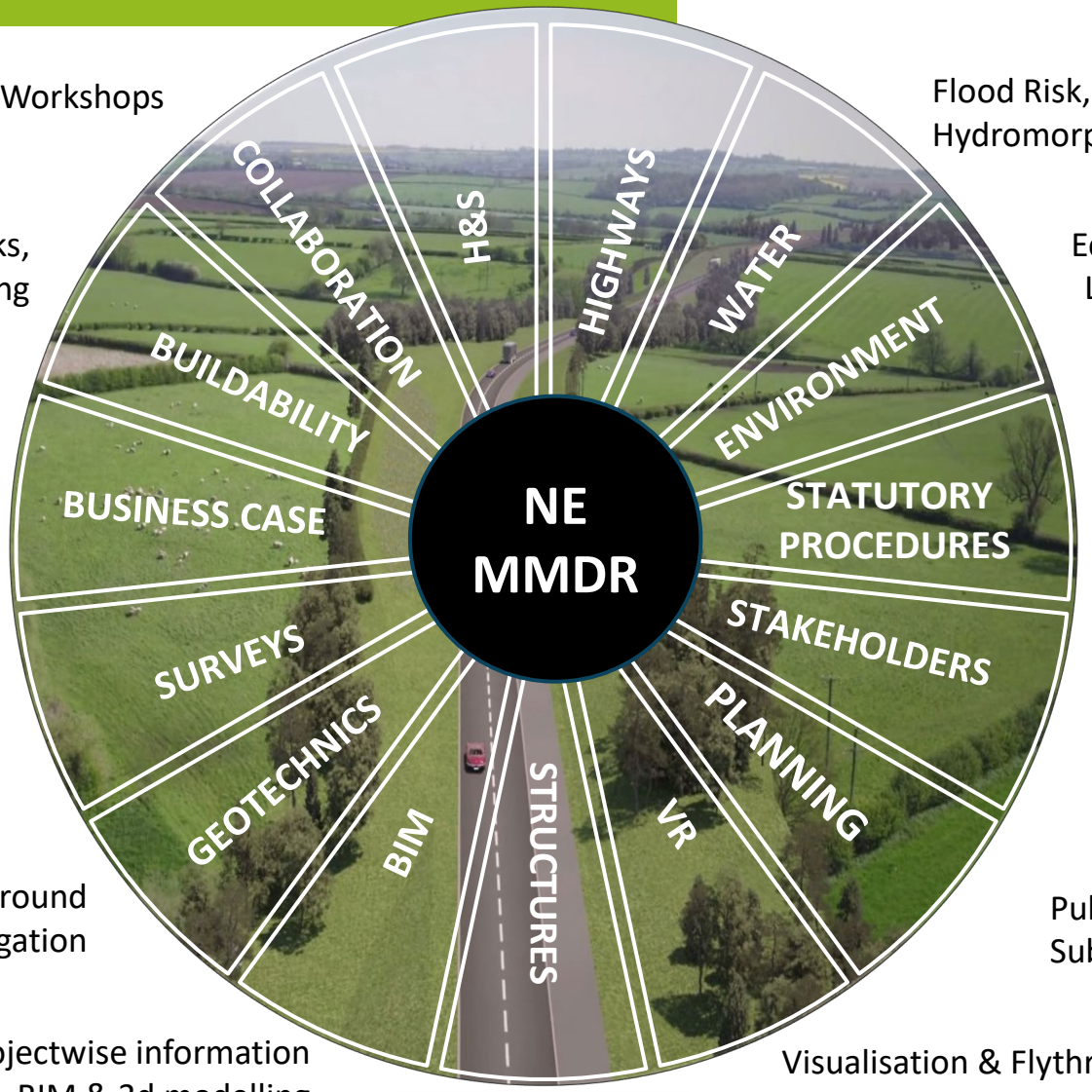
Geotechnical Design, Ground
Investigation

Public Consultation, Planning
Submission

Projectwise information
management, BIM & 3d modelling

Visualisation & Flythrough

Railway bridge, River bridges, culverts





Leicestershire County Council

AECOM

UKs First (we think) 3D Visualisation combined with a Drone Flythrough

https://www.youtube.com/watch?v=OEXs5c-F6ys

Adoption of PAS 2080 Carbon Hierarchy

MMDR was delivered with industry-leading carbon management and environmental stewardship

Rigorously applied the PAS 2080 carbon hierarchy to mitigate carbon using three strategies

- **Avoid**
- **Switch**
- **Improve**

- Collaboration was key to minimising carbon between LCC, AECOM, Galliford Try and suppliers throughout design and construction

Set a whole-life carbon baseline and targeted a 10-20% emissions reduction to support LCC Net Zero 2030 commitment

Soft Spots

Challenges Overcome Together



- Soft ground encountered at Railway Bridge North Abutment
- Initial solution was dig out and replace
- GT engaged with Van Elle piling specialists and identified an alternate design solution
- Solution discussed and agreed as a team with LCC and AECOM
- Network Rail approval process fast tracked by NR due to the high quality of the submission

Hailed by NR as **'HOW TO DO ASPRO WORKS'.**

Benefits Delivered



- Mitigated potential 3-month delay
- **Network rail feedback:** MMDR is outstanding in its level of safe working, programme certainty, possession management, protection of the infrastructure and the whole project teams buy in
- Finalist for NEC Bridge Awards for Collaboration

Value Engineering - Process

Value Engineering ongoing process but was significantly stepped up to find cost savings from summer 2021 because of construction inflation driven by geopolitical events

LCC/ AECOM/ GallifordTry and key suppliers met weekly to identify and evaluate VE opportunities

Remit was to think big, think outside the box, and challenge standards and convention

We developed a VE Toolkit to

- Capture ideas
- Assign ownership and actions
- Capture input from all partners
- Estimate cost savings
- Evaluate risk/ benefits
- Ensure savings didn't negatively impact the overall scheme

Value Engineering - Savings



- Value Engineering led to savings of £5.2M
- Key VE savings were delivered by
  - Relaxation on vertical alignment gradients to reduce earthworks
  - Moving NMU routes offline to at gradient locations to reduce cross sections and hence earthwork volumes
  - Changes to pavement design and subgrade improvements to reduce earthworks and materials quantities
  - Changes to drainage designs



Health, Safety & Wellbeing

- Project has lead business wide innovation and improvements
- CCS Gold three years in a row
- Awarded Galliford Try Health & safety award two years in a row
- AFR of Zero
- 1.2 million person hours worked
- Over 10,000 safety observations raised
- Not without its challenges, but embraced detailed Root Cause Analysis





Environmental Considerations

Biodiversity Net Gain

River Eye Diversion

- Work in a flood plain and a Site of Special Scientific Interest
- 3D modelling of River and new features
- Increased attenuation capacity
- Paleo-channel design solution
- New River Eye bridge construction sequence
- Overall Biodiversity net gain


River Eye diversion alignment


River Eye in flood condition



VLN Beam lift at Scalford Brook

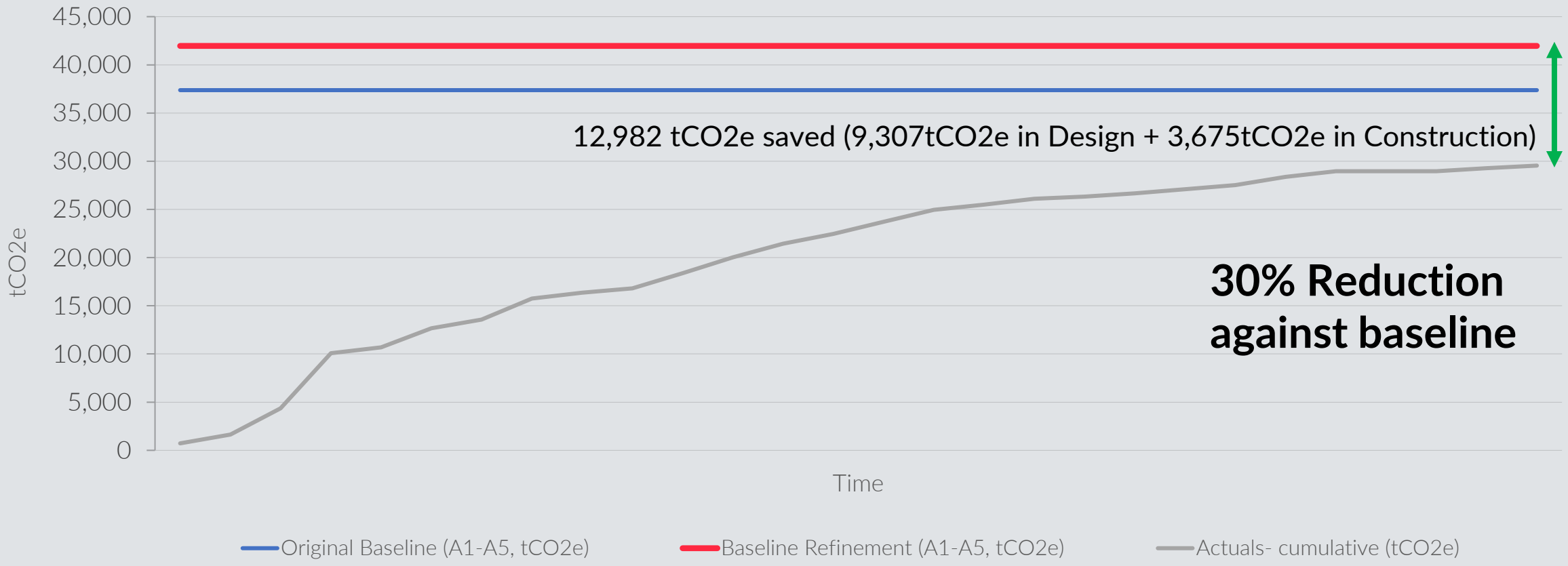
Technology in Safety

31.5t beam lifts with Vita Load Navigator

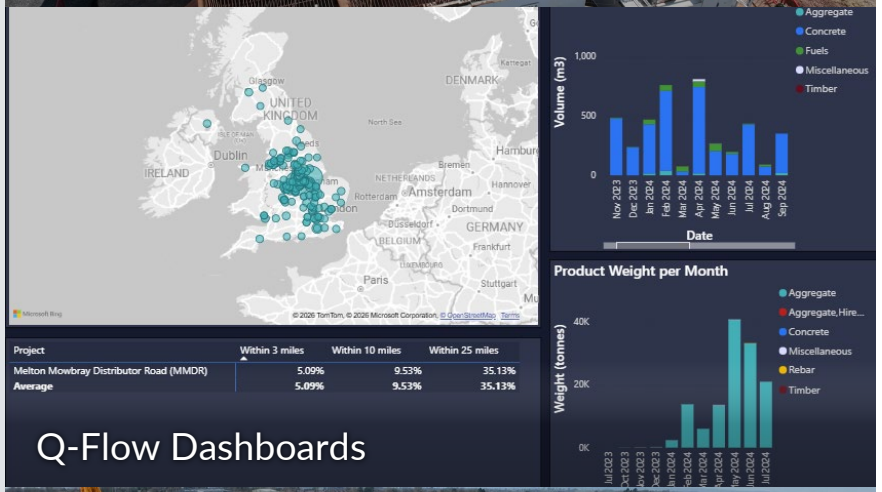
Advantages to system

- High-powered fans rotate loads to desired direction
- Prevent uncontrollable rotating
- Features GPS positioning to hold loads in a certain position once ‘set’
- First time to the VLN was used for bridge beams in the UK
- Promotes HOSASS style lifting
- Technique transferred to other projects

MMDR Carbon Performance









12,982 tCO2e saved 30% Reduction against baseline

- Innovation & collaboration across project lifecycle
- Strong design optimisation to reduce carbon
- Circular materials at scale (Foamix + reuse)
- First to develop and mandate automated carbon data in Highways
- Delivered significant carbon AND cost savings

Excellence in Collaboration - Communications

Communications

- Dedicated LCC project webpage (https://www.leicestershire.gov.uk/roads-and-travel/road-projects/north-and-east-melton-mowbray-distributor-road-scheme)
- Dedicated Project Liaison Officer for Galliford and assigned support within LCC
- Social Media messaging
- Monthly Newsletters – Highlighting positive community work, construction work completed and upcoming road works
- Publicly availably progress drone footage (https://kuula.co/profile/HillTopMMDR)
- Introduced Go / No Go approach for road closures (LCC and Galliford Try)
  - Clarified roles and responsibilities
  - Clear and easy to understand messages
  - Maximum reach for available channels
  - Buy-in from all stakeholders
- Comms strategy around opening and managing message on costs on programme

NEMMDR - Melton Mowbray Distributor Road UPDATE April 2025

National OPEN DOOR 2025 Construction Industry event....

We were delighted to open our doors and welcome a group of students from Birch Wood school. The day was packed with exciting hands-on activities which provided an insight into the varied world of work within the construction industry.

The student's visit was made extra special with activities provided by the project design team AECOM, P. Flannery Plant Hire Ltd. and Hilltop Aerial Surveys.

Tom Smith **Head of School - Birch Wood Vale:**

I wanted to say a massive thanks to Galliford Try and the MMDR project team for the amazing work experience day our Year 11 students experienced. It was great for the students to see all the different technology that is used in the construction and to experience it first-hand. They had the opportunity to see drones in action and see how these are used in the construction industry. The students also had the opportunity to go on a plant simulator driving a truck and a digger. The "Build a bridge" activity gave our students a chance to work as a team and you could see their skills develop as the session went on. This was a great introduction to the world of work and the opportunities that are available. Our students had an amazing day and would like to say a massive thank you.







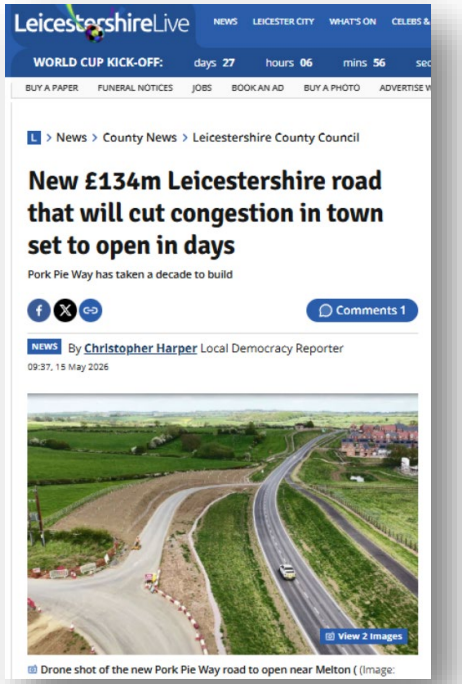
For any enquiries, please email: gino.salvatore@gallifordtry.co.uk or call 07918 640481

Pork Pie Way opening hit the headlines

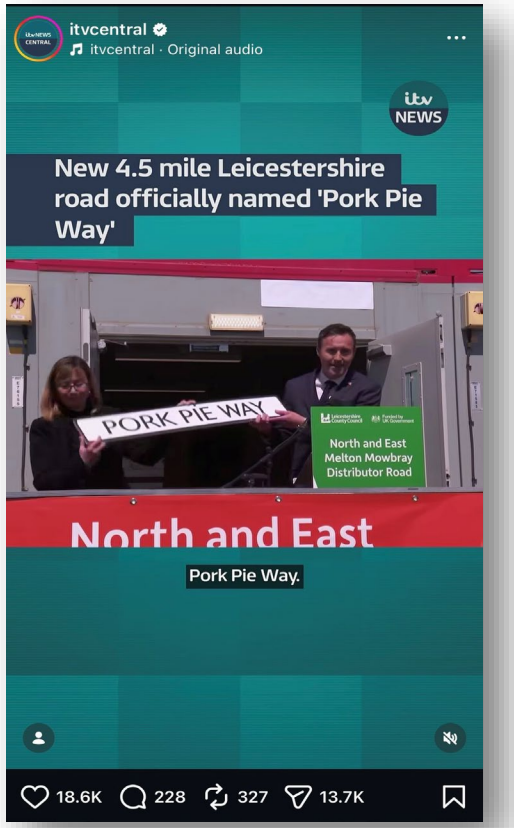




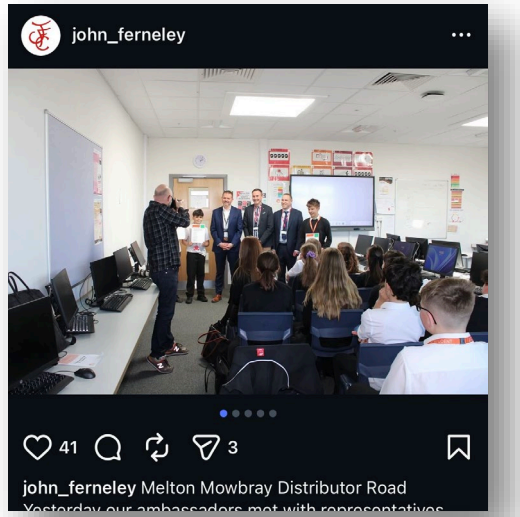
In less than 24 hours, Pork Pie Way opening secured extensive positive media coverage across the BBC, ITV, Leicestershire Live and other broadcast and online coverage.

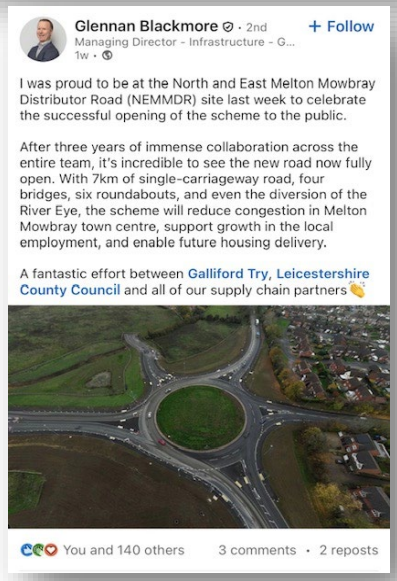






High visibility across social media (not just our own channels) due to media spotlight, reaching broadcast audiences, stakeholders and event guests amplifying Pork Pie Way opening.





Excellence in Collaboration – People and Social Value

NEMMDR Social Value Highlights

Galliford Try

Leicestershire County Council

Social value

£43.2m
Local spend

£16,500
Raised for local charities

80%
Local workforce employed

£28.5m
Added Social Value

9
New Jobs created locally for previously unemployed people

48/50
Considerate Constructors Scheme score

Education and local community support

968hrs voluntary time supporting local community projects including schools and charities.

65 students directly engaged with construction related interest including group site visits and classroom-based training sessions

£48,357
Donated in time and materials to local school & community projects

Environmental benefit

1843 tonnes of waste diverted from landfill

98% recycle rate

7741 tonnes of waste from local area reused on site

4756 tonnes of CO_2e emissions savings

2 artificial badger sets created

20 bat and bird boxes installed across the project

Employment and skills

20 work placements including ex military, SEND & mainstream students

13
Apprentices

944 weeks APPRENTICESHIP training and student placement

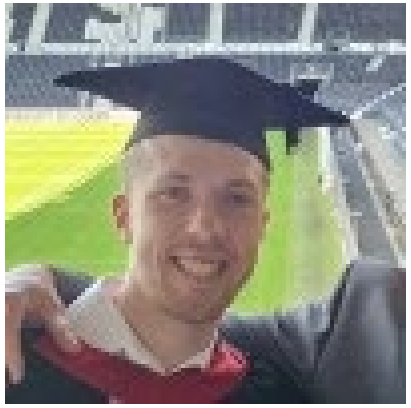
People – Professional Development



Jonathon Simons
AECOM
Chartered Civil Engineer

Alex Romankiw
Former Galliford Try
Jos Structures
Incorporated Civil Engineer





Ben Scattergood
AECOM
Started as a 16-year old apprentice, finished his Civil Engineer and working towards Incorporated Engineer

Bryony Wilson
LCC
Eng Tech
Undertaking Level 6 civil engineering degree and working towards Incorporated Engineer



Thank You



Funded by UK Government

TOGETHER DELIVERING FOR MELTON