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Bicester Town Local Representatives Group

Meeting #3

27 October 2022

01. Today's agenda

Today's agenda

01.
Welcome and today's agenda

02.
Housekeeping

03.
Review of actions from previous meetings

04.
Topic – Active Travel & First Mile Last Mile

05.
Topic – Rolling Stock and Traction Strategy

06.
Topics for future meetings

07.
AOB and closing remarks

02. Housekeeping

Housekeeping

Thank you for joining

This is a virtual meeting.

Please display your full name as when you registered to attend – this can be done through the ‘Participants’ section.

To help everyone feel part of the discussion, please feel free to turn your camera on during the meeting if you can.

Please use the ‘Raise Hand’ function to raise a question during the meeting, found in the bottom ribbon (under the ‘Reactions’ option).



Display your full name in username



Please use the mute function



Use the ‘Raise Hand’ function if you want to raise a point during the meeting



Please do put your camera on if possible

03. Review of actions from previous meeting

Outstanding actions

Meeting	No.	Action	Owner	Status
1	4	Confirm whether the bridge being constructed over the Charbridge Lane level crossing will be designed to hold a dual carriage way.	EWR Co	Ongoing

04. Topic- Active Travel & First Mile Last Mile

Will Ryan

Customer Service Delivery Executive

'First Mile Last Mile' approach

Creating a seamless door-to-door experience integrating adjacent transport modes and facilitating Active Travel, enabling real choice for our customers at the start and end of their journeys.

Connecting customers to our stations

Provision of car parking facilities, but **encourage car sharing/pooling**

Partnership solutions with to provide **connectivity with adjacent public transport**

Integrated ticketing and services

Availability of taxis, buses and vehicle hire

Mobility as a Service (MaaS)



Promoting Active Travel

Introducing **Active Travel routes and facilities**

Ensuring **customer and community safety**

Improving the station realm and landscape

Creating opportunities to **support health and wellbeing**

Golden Threads

— Technology/Digital — Innovation — Inclusivity — Personalisation — Environment — Stakeholders

Promoting Active Travel

EWR want to develop strong relationships within the communities across the Arc to support health and wellbeing through the promotion of Active Travel.

We have identified a number of opportunities through our initial work....

Secure cycle / scooter parking

(e) Cycle / Scooter hire

Review cycle conveyance on trains

Active Travel / Cycle hubs

Safer foot and cycle paths

New Active Travel routes

Connectivity to Active Travel routes

Accessible routes across the railway

Public realm improvements

'Way showing': apps and realm design

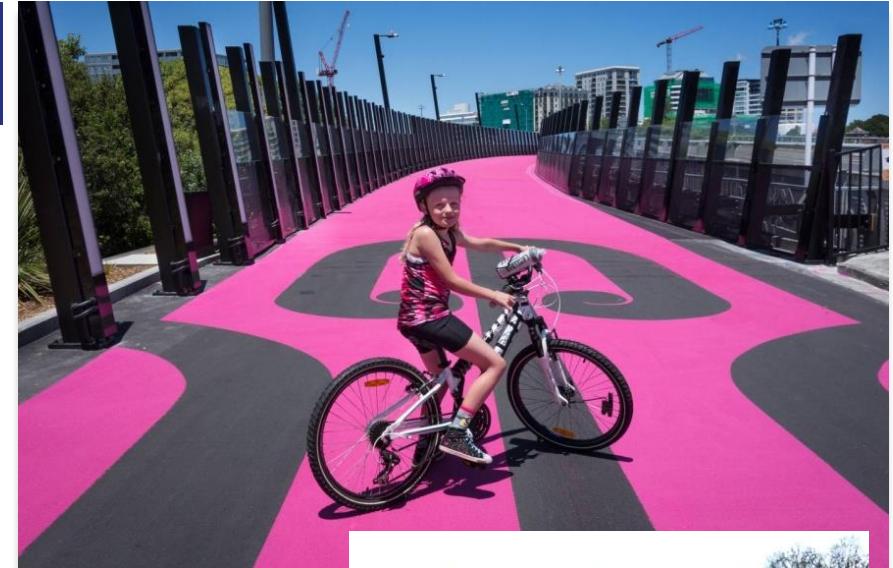
Community Active Travel facilities

Travel and wellbeing roadshows

Healthy eating options at stations

Active Travel Pack/Bundle

Guided activities



Questions or comments

05. Topic – Traction Strategy and Rolling Stock

Mark Foster

Operations Executive – Rolling Stock

EWR Initial Fleet

- Modern two-carriage diesel trains;
- Operate the initial Oxford to Bletchley with potential to extend to Milton Keynes Central service temporarily;
- Engines meet EU Stage IIIB emissions standards and use Ad Blue in the exhaust system to reduce nitrogen oxide (NOx) emissions;
- Each train has an accessible toilet, passenger information throughout, and dedicated spaces for three bikes.



Use of different types of traction

- Initial use of diesel only trains is a temporary solution;
- This allows EWR to commence services quicker, unlocking the benefits of the new railway earlier;
- Electrification remains under consideration with EWR Co awaiting a decision from government on this;
- This allows flexibility in future power options in line with the government commitment to removing all diesel only trains by 2040;
- EWR are also investigating alternative traction power including battery power and hydrogen fuel cells.

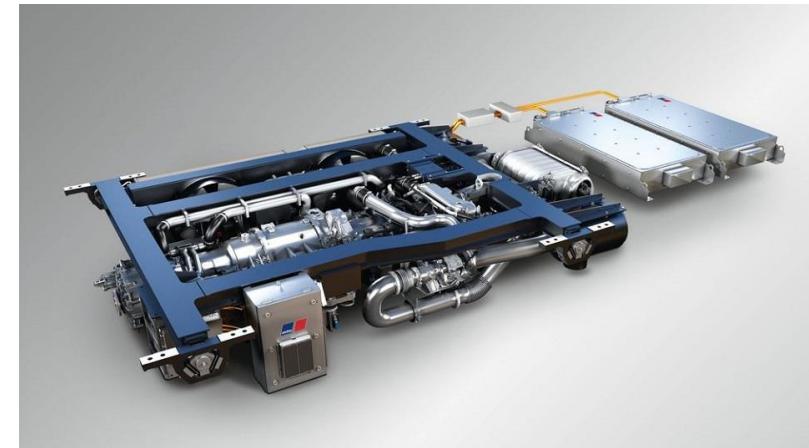


Long-Term Rolling Stock Options

Traction Type		Carbon	Cost	Complexity
EMU Electric Only		•	•	•
DMU Diesel Only		• • •	•	•
BMU Battery Only		•	• •	• •
HMU Hydrogen Fuel Cell Only		•	• • •	• • •
DEMU Diesel Electric Bi-Mode		• •	• •	•
DBMU Hybrid Diesel & Battery Hybrid		• •	• • •	• • •
BEMU Battery Electric Hybrid		•	• •	• • •
HEMU Hydrogen Electric Hybrid		•	• • •	• • •

Case study: B-DEMU Hybrid – Class 168 HybridFLEX™

- Partnership between Chiltern, Porterbrook and Rolls-Royce to develop the Hybrid concept;
- One hybrid battery-diesel train currently in service;
- Fitted with brand new engines combined with on-board batteries;
- Batteries are used at stations with diesel used at other times and capture energy lost through braking;
- Fuel consumption and CO2 emissions are reduced by up to 25%, Nitrous Oxide (NOx) emissions by over 70% and particulate emissions by over 90%, compared to the original 25-year-old engine;
- Feasibility for future use on EWR under review.



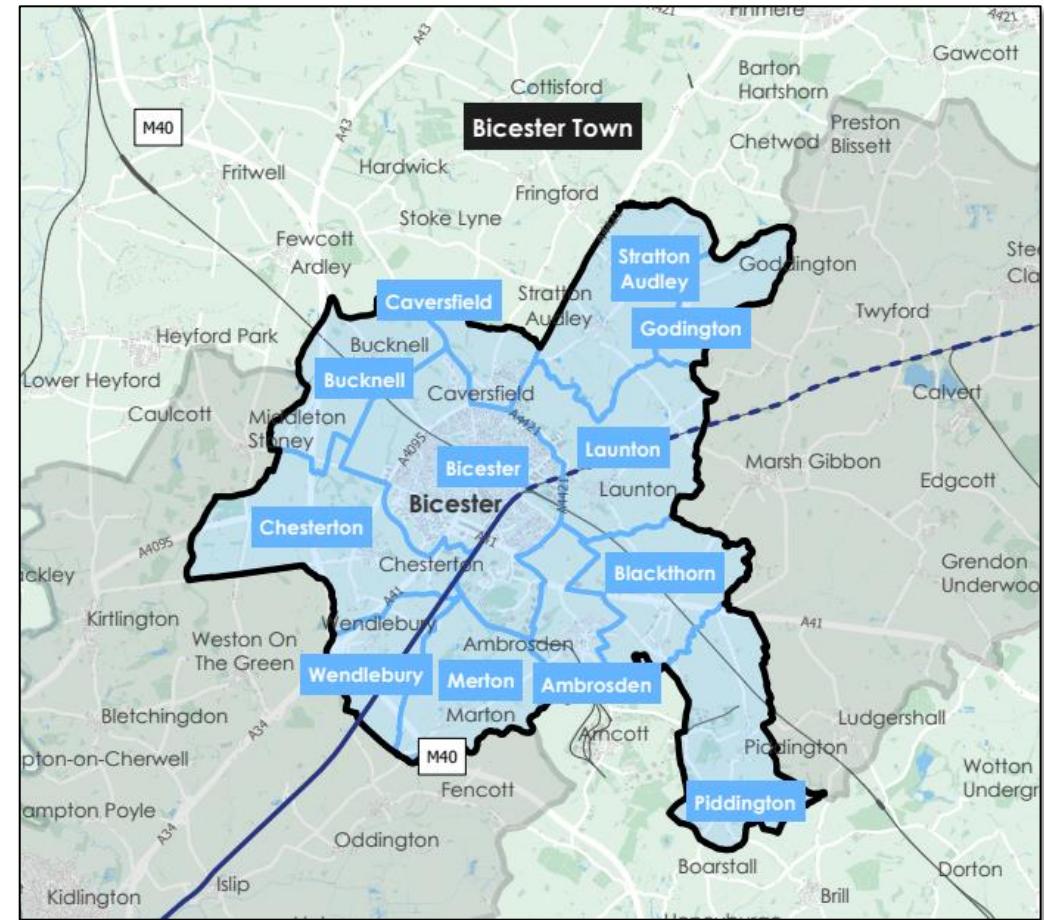
Case study: Battery EMU Hybrid – Class 379 IPEMU

- Partnership between Network Rail, Bombardier, Abellio, Future Railway and Department for Transport (DfT) to demonstrate the viability of a battery-powered train
- Tested in passenger service for five weeks in 2015
- Electric train fitted with traction batteries on one vehicle
- Batteries were used for a 30km section and charged from overhead line electrification on the remainder of the journey;



Bicester Town

- Diesel Fleet will operate when EWR Operation commences;
- Rail line from Bicester to Bletchley has option to install Overhead Line Equipment (OLE) at a later date.



Ongoing Work



Active engagement with Rolling Stock Manufactures, Owners and Train Operators...

to understand existing challenges with novel rolling stock traction types. Potential for EWR Co to lead innovation of future rolling stock to meet customer needs.



Electrification is being taken into account...

with passive provision included in designs where appropriate.



Continued engagement with the Department for Transport (DfT)...

to ensure EWR Co align with the decarbonisation agenda and 'The Williams-Shapps Plan for Rail'.

Questions or comments

06.
Topics for future
meetings

Topics for future discussion



Meeting #4 onwards – Freight / Strategic Rail Freight Interchange (SRFI) / Station design: safe and secure bicycle, e-bicycle and motorcycle storage

Discussion: Other topics for future meetings

Agreed frequency: Quarterly meeting

Outcomes:

Actions:

07. AOB and closing remarks

We're always here

All the Group's relevant documents will be available on its **Community Hub** site.

We will notify you when available.



Got a question?

If you have any questions about the Group, please email:

localrepresentativesgroups@eastwestrail.co.uk

If you have any questions about the project, please email:

contact@eastwestrail.co.uk

Or you can also call us on **0330 134 0067**

Creating meeting notes

