

Developing a business case and building new stations

Rail Future Rail Users Conference

10th November 2018



Who are we?

A brief history ... of the team



Chiltern Railways



John Laing
making infrastructure happen

Third party schemes ... a sample



Kenilworth – April 2018



Kidderminster – Opens 2019



Worcestershire Parkway – Opens 2019



Bromsgrove – July 2016



Coventry Station Masterplan – Opens 2020



A45 South Bridge Replacement – September 2016

Station Portfolio

9 opened stations

3 currently being built

5 development

5-10 others

Building Business Case Example - Worcestershire Parkway

The key product

The timetable

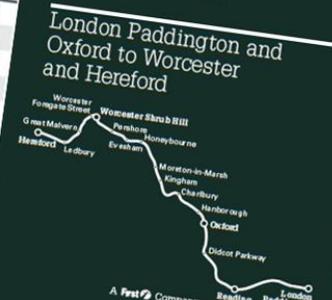
**LONDON PADDINGTON
THE COTSWOLDS**

Operator	Notes	Facilities	GW	GW	GW
London Paddington	⊖		⊖	⊖	⊖
Slough	⊖ d		⊖	⊖	⊖
M Maidenhead	⊖ d		0512	0547	
Reading	⊖ d		0530	0601	
Didcot Parkway	⊖ d		0550	0619	
Oxford	d		0607		
Hanborough	d		0514	0621	0650
Combe	d				0702
Finstock	d				
Charlbury	d				
Ascott-under-Wychwood	d				0709
Shipton	d				
Kingham	d				
Moreton-in-Marsh	d				0719
Moreton-in-Marsh	+ a		0539	0648	0726
Honeybourne	d		0542		0727
Evesham	d		0553		0737
Evesham	+ a		0559		0744
Pershore	d		0559		0751
Worcester Shrub Hill	d		0607		0759
Worcester Shrub Hill	⊖ a		0619		0810
Worcester Foregate St	⊖ d		0619		0813
Malvern Link	⊖ + a		0625		0816
Great Malvern	+ a		0751		0850
Colwall	+ a		0755		0853
Ledbury	+ a		0805		0858
Hereford	+ a		0813		0905
Hereford	⊖ + a		0833		0927

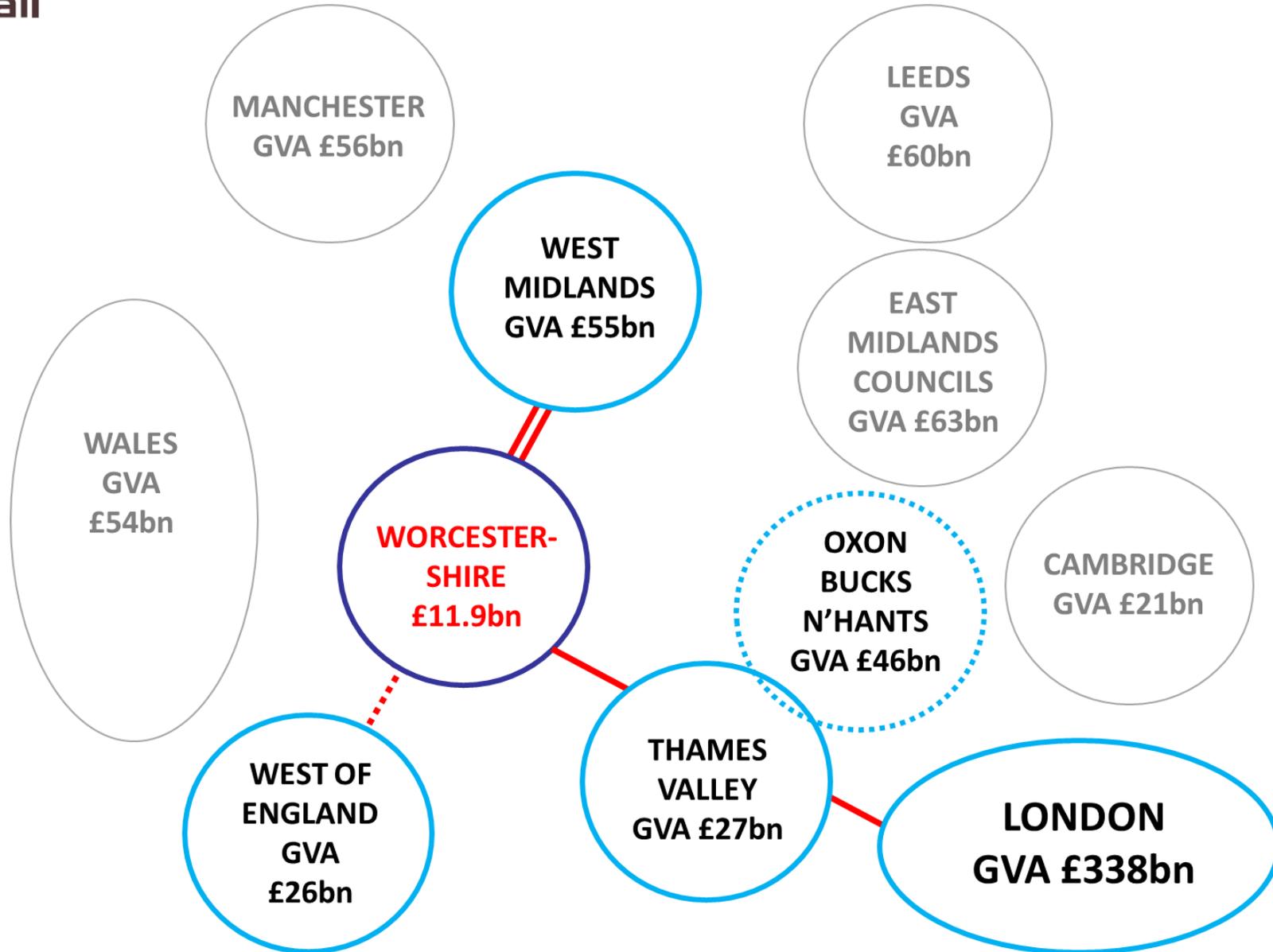
GWR
Great Western Railway
Guide to train times
21 May to 31 December 2017

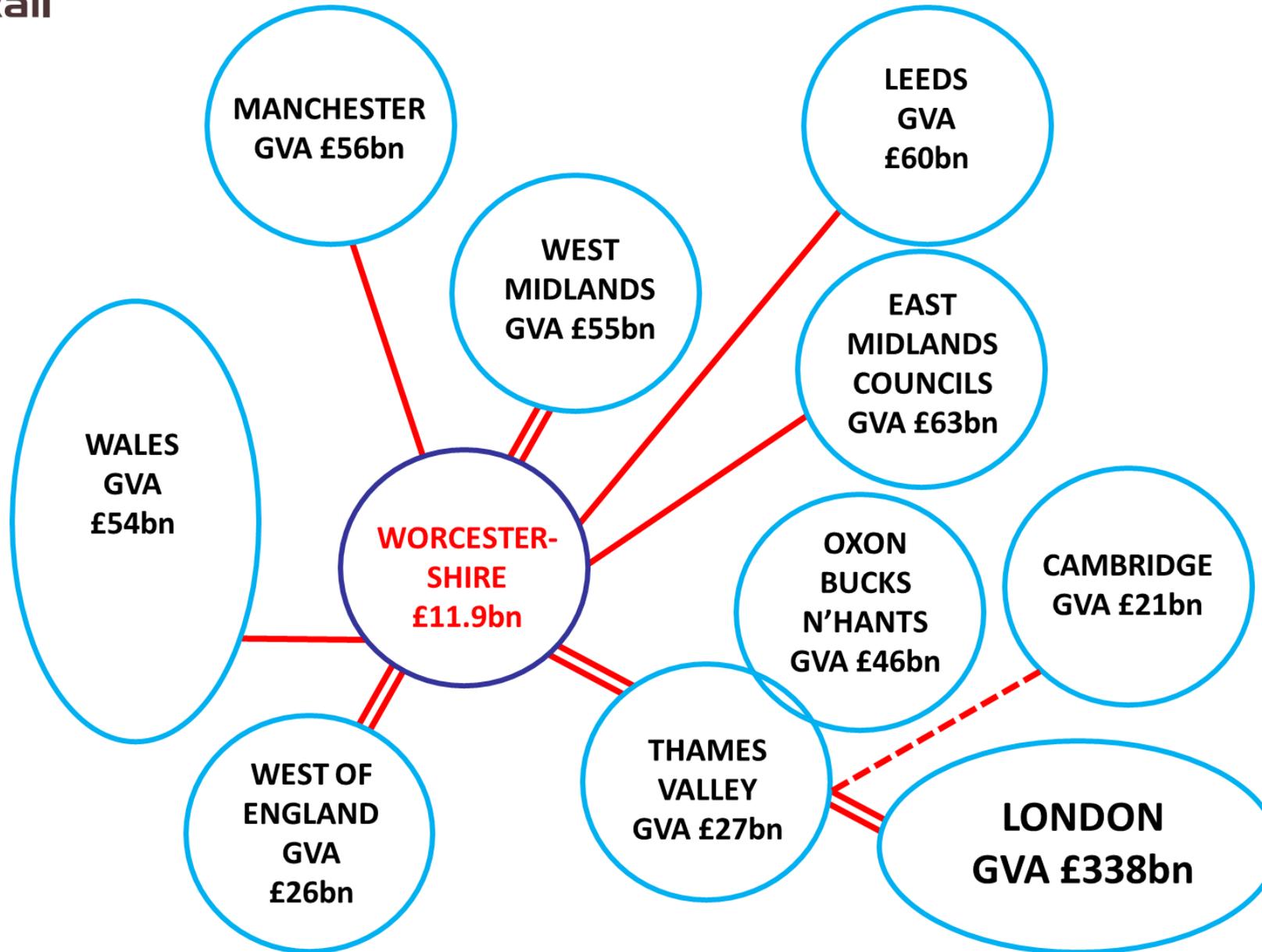
E5

London Paddington and Oxford to Worcester and Hereford



A First Company





Worcester



135

Birmingham
Moor St



99

Warwick
Parkway



78

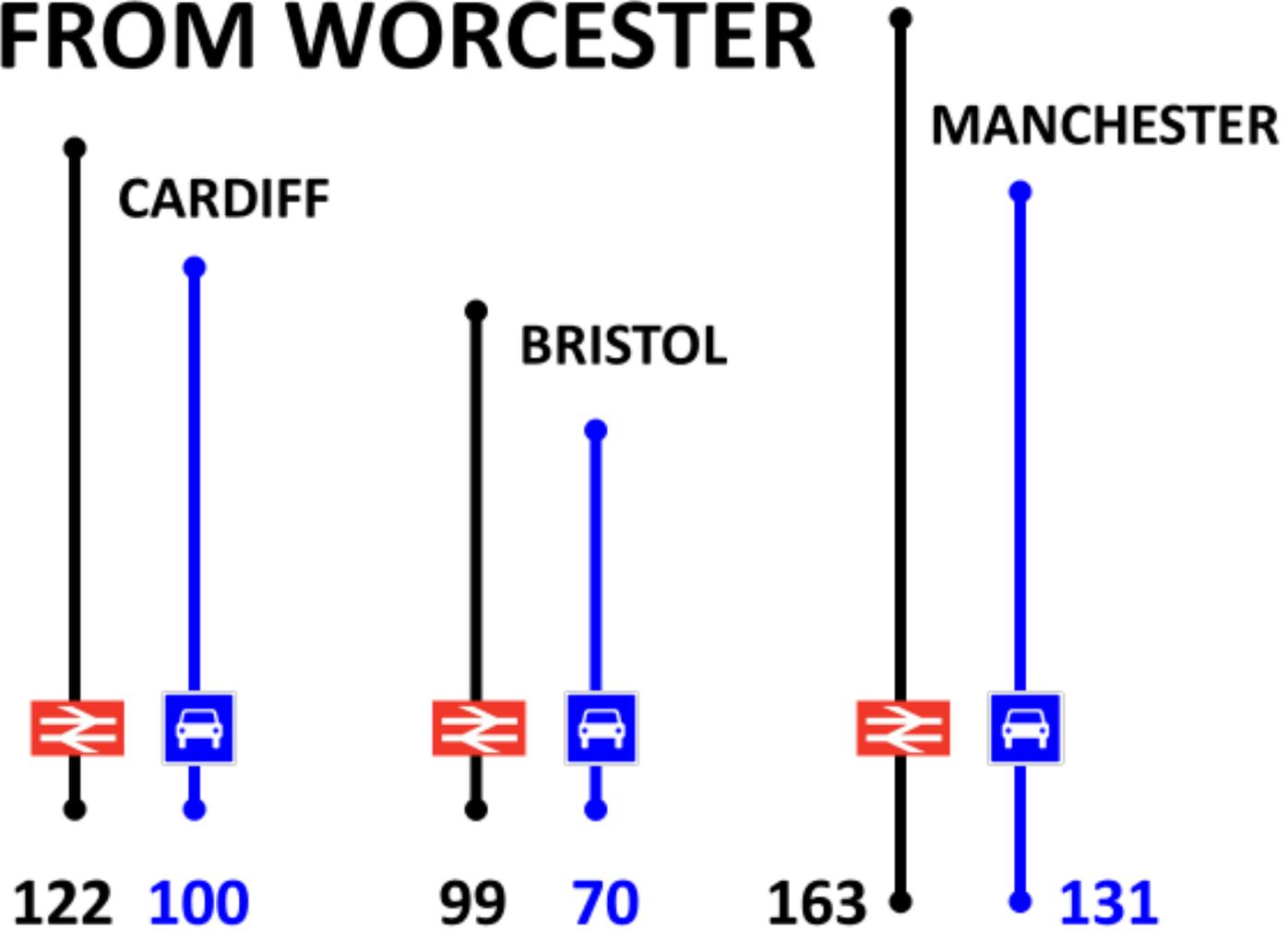
Birmingham
International



75

TO LONDON

FROM WORCESTER



Worcestershire Economic Outlook

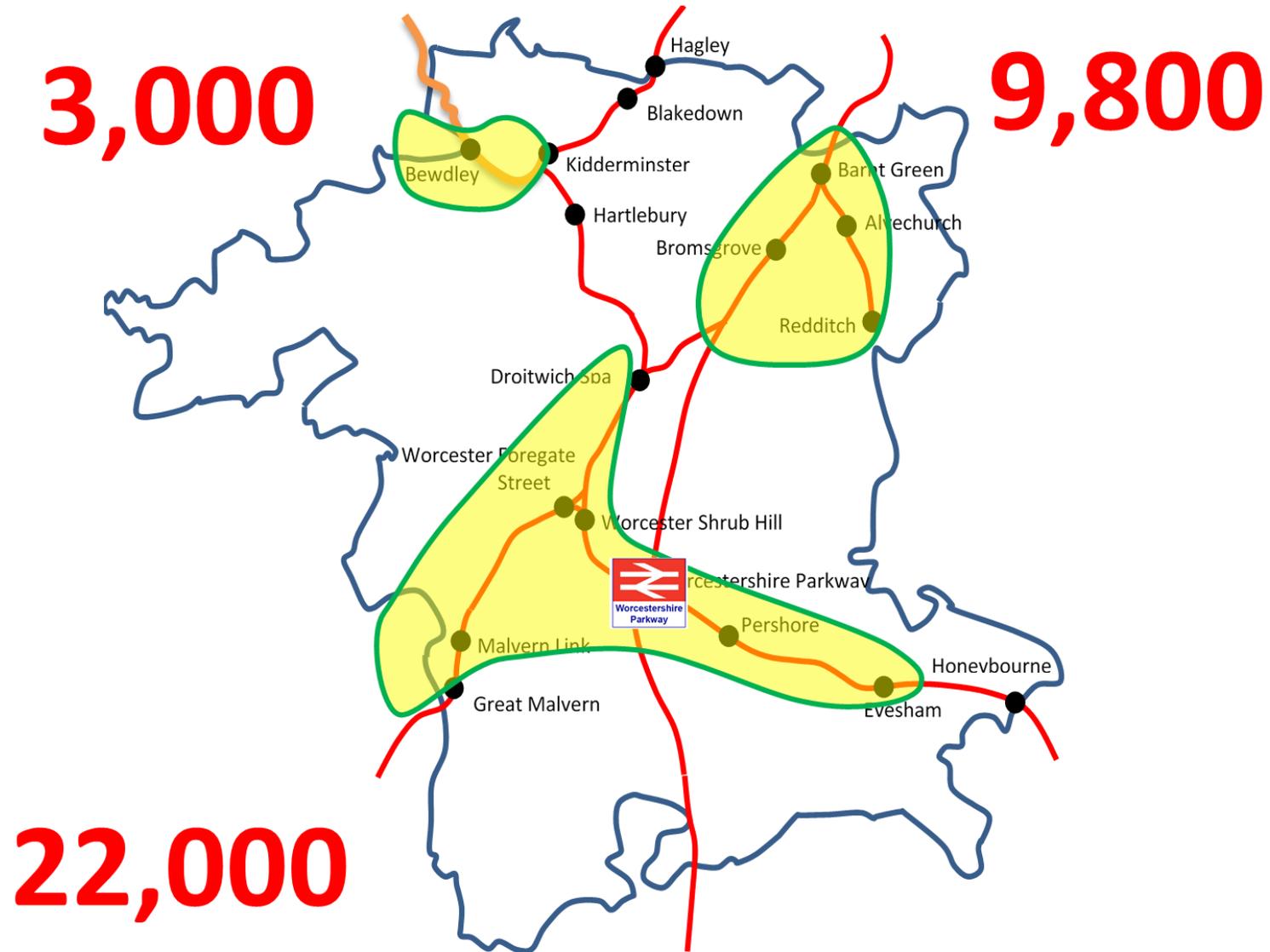
566,000 people today

£11.8bn GVA

**45,000 new houses
90,000+ more people**

25,000 new jobs

All by 2030!



COTSWOLD

Great Malvern
Malvern Link
Worcester FS
Worcester SH
Persnore
Evesham
Honeybourne

437

290,000

1/663



CHILTERN

Lapworth
Hatton
Warwick Pkwy
Warwick
Leamington
Spa

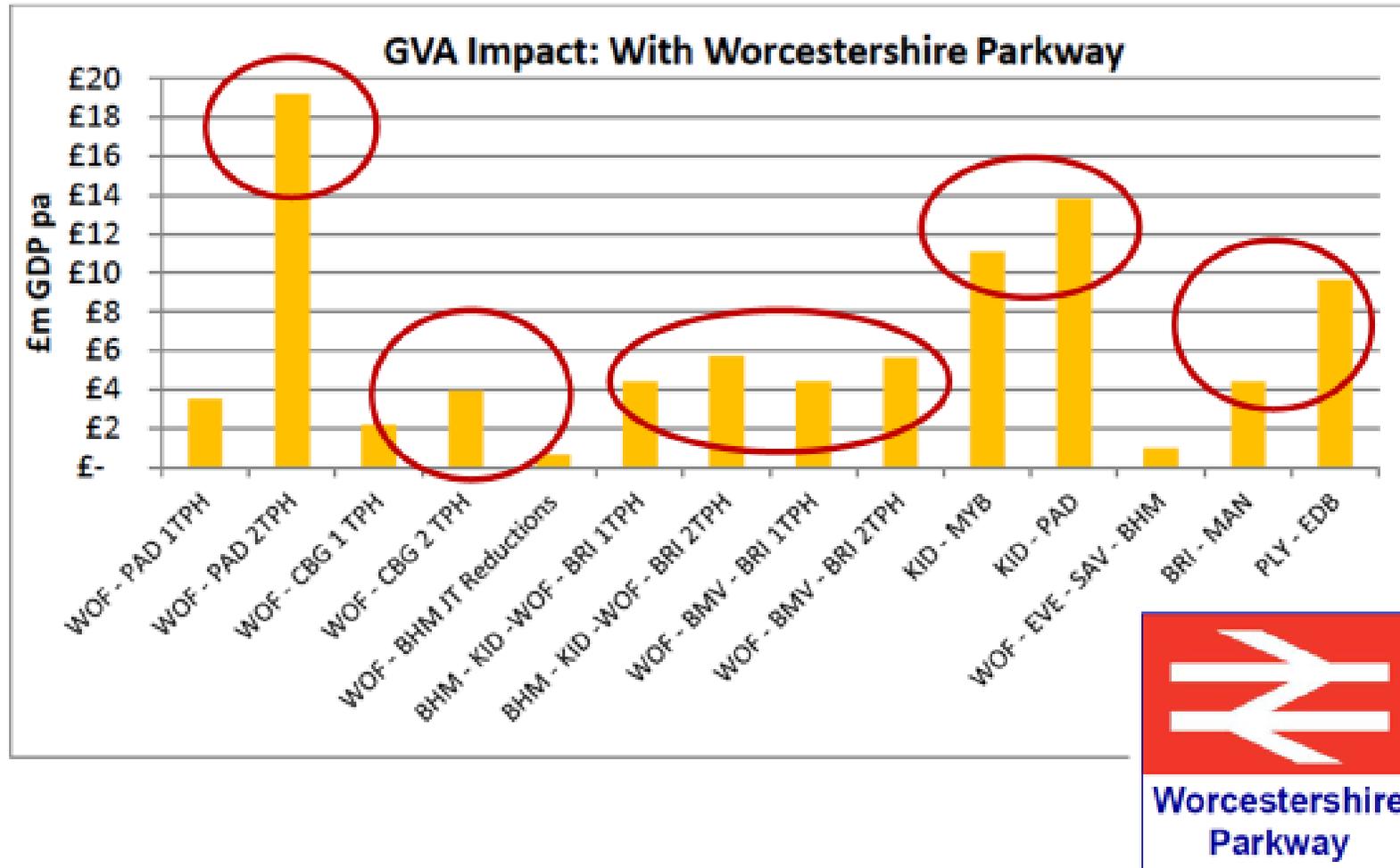
1,514

258,000

1/170

**Pressing
need,
post IEP
for access
capacity**

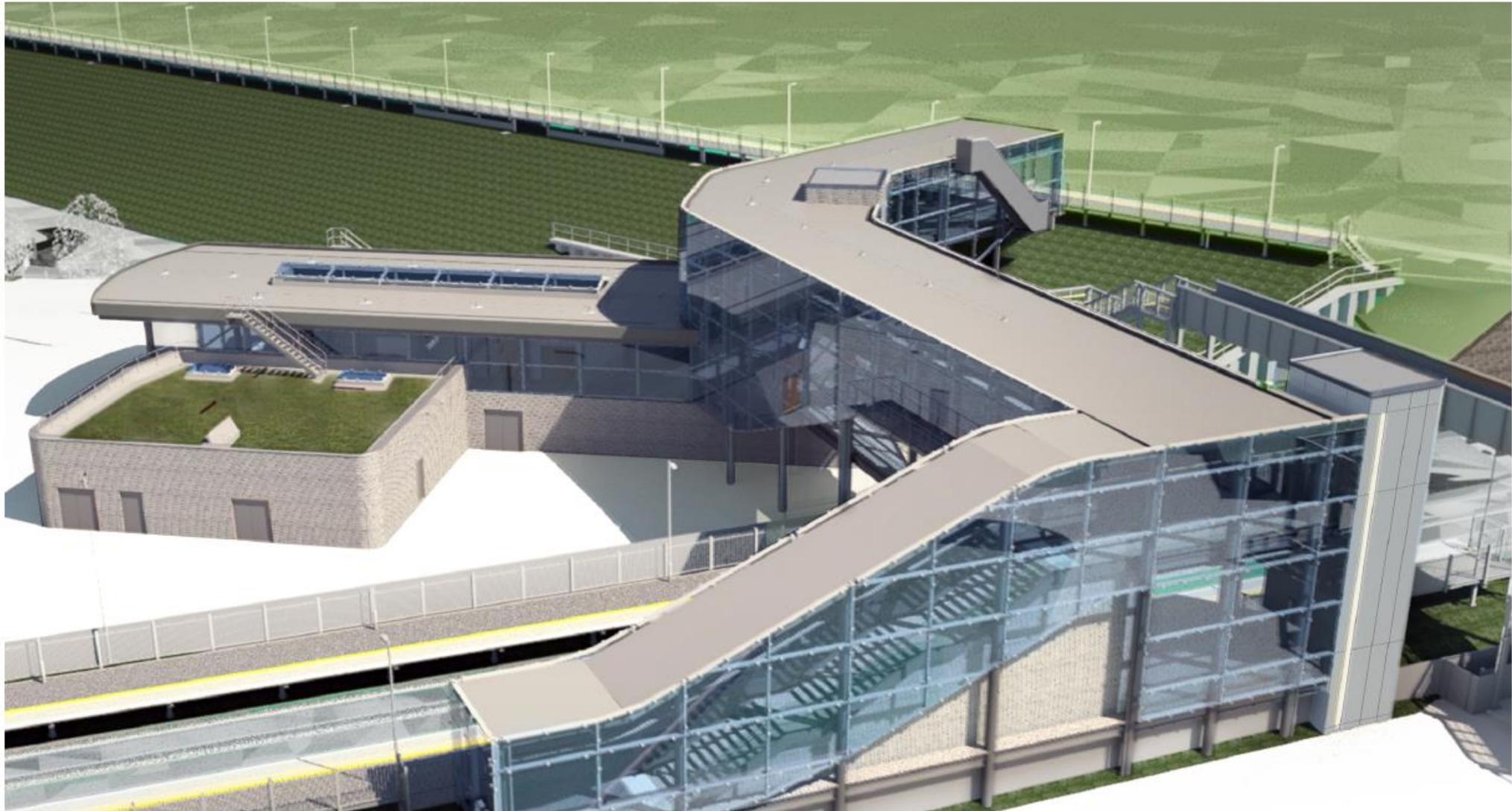
ECONOMIC BENEFIT ASSESSMENT



Planning Visualisation



- **500 space car park**
- **2 platforms BAG line, 1 platform OWW**
- **Staffed ticket office**



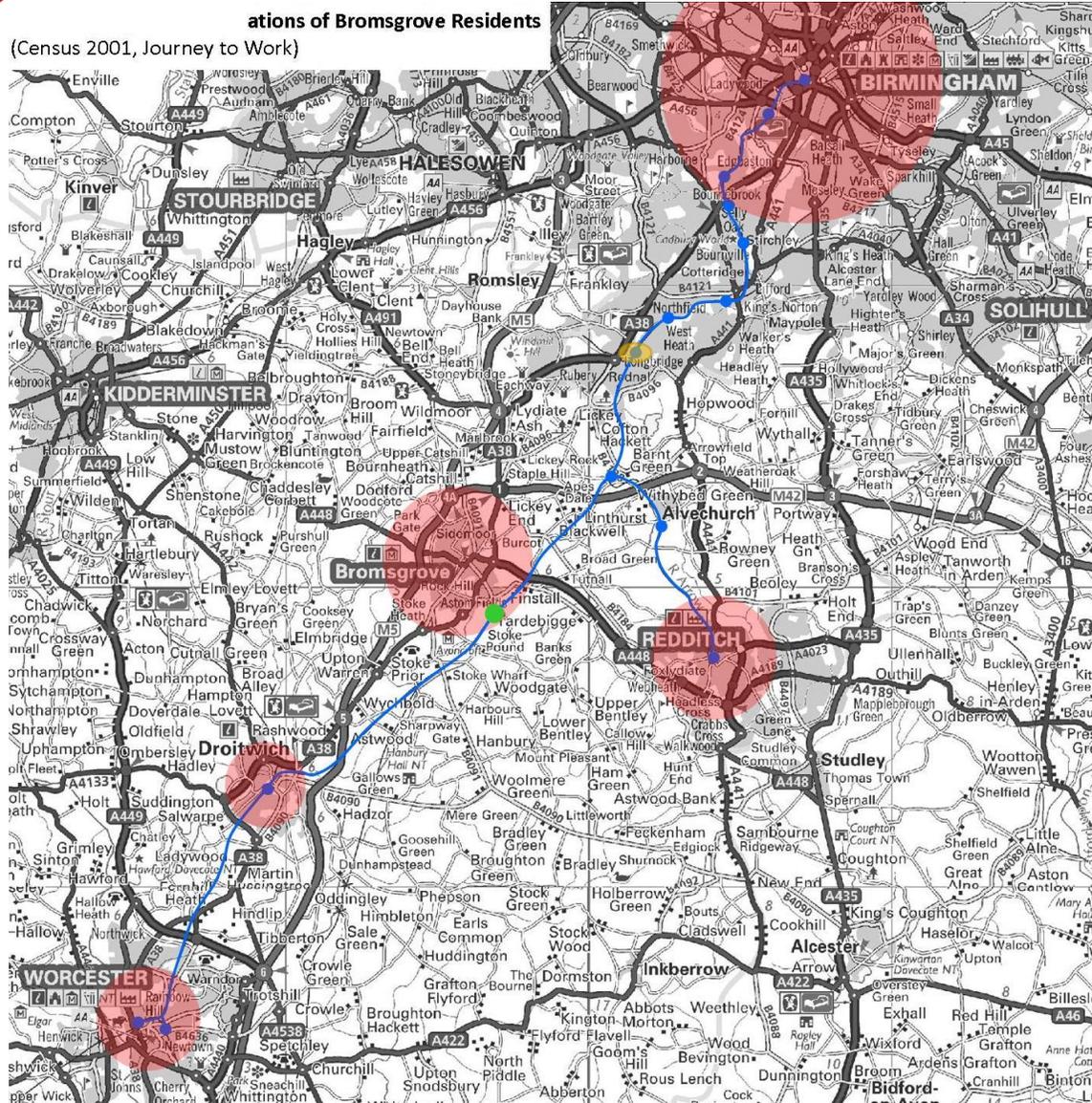


Novel ('Open for business') Structure

- Worcestershire County Council delivers the scheme (Development, Construction, Process and governance including planning risk)
- Council is delivering the project through asset protection agreement route
- Franchisees insert station stops & operate station
- A proportion of the benefits generated by the station are used to finance the construction costs

Building Business Case Example - Bromsgrove

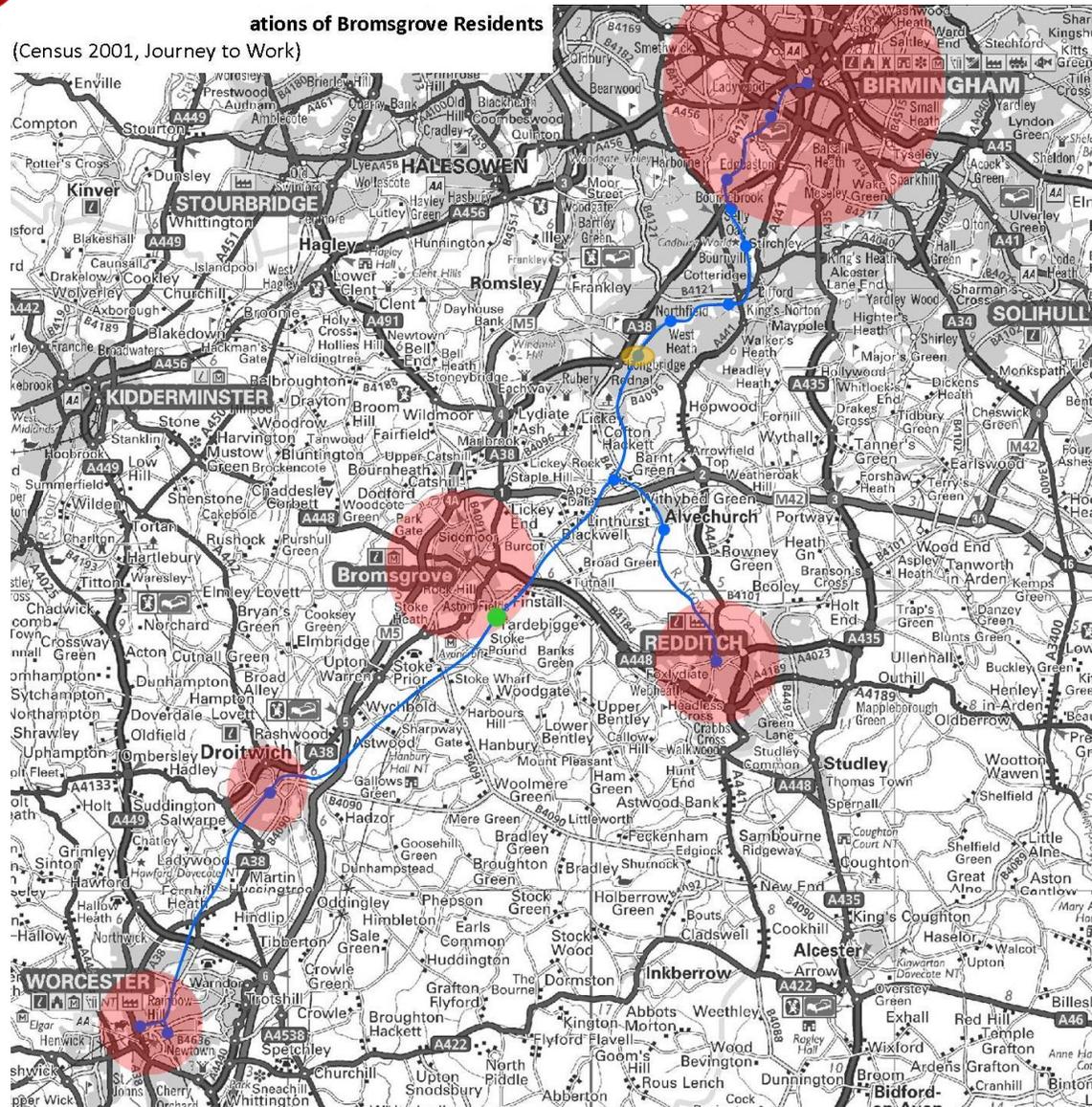
Locations of Bromsgrove Residents
(Census 2001, Journey to Work)



Strategic Rationale

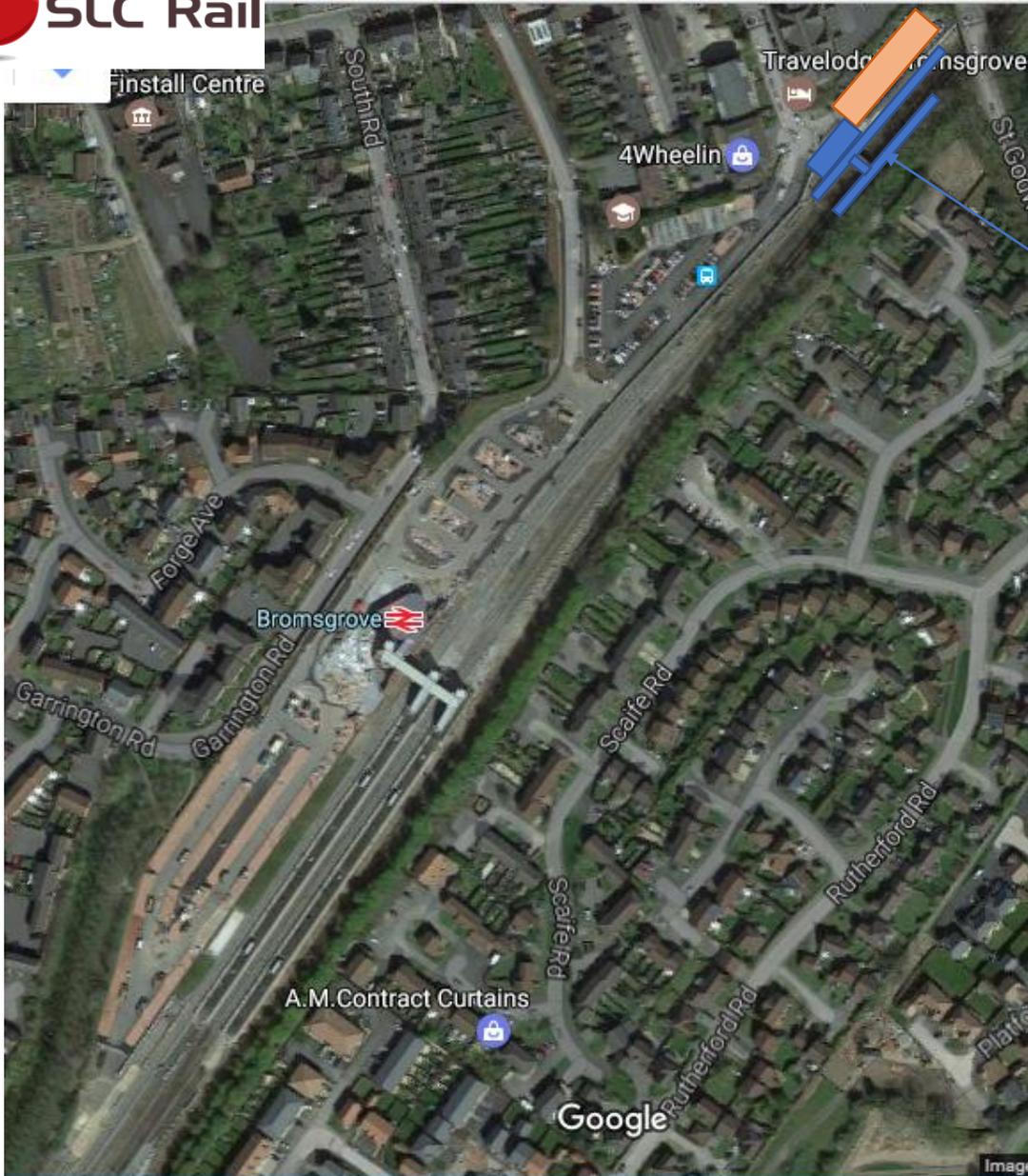
- Regeneration and development, connectivity with Birmingham;
- Services constrained by short platforms, get more peak services;
- Significantly expanded car park and better quality station;
- Performance benefits for NR and LM, further from Lickey;
- Enables electrification, greater capacity and frequency 3/4 tph peak, 2/3 tph off peak.

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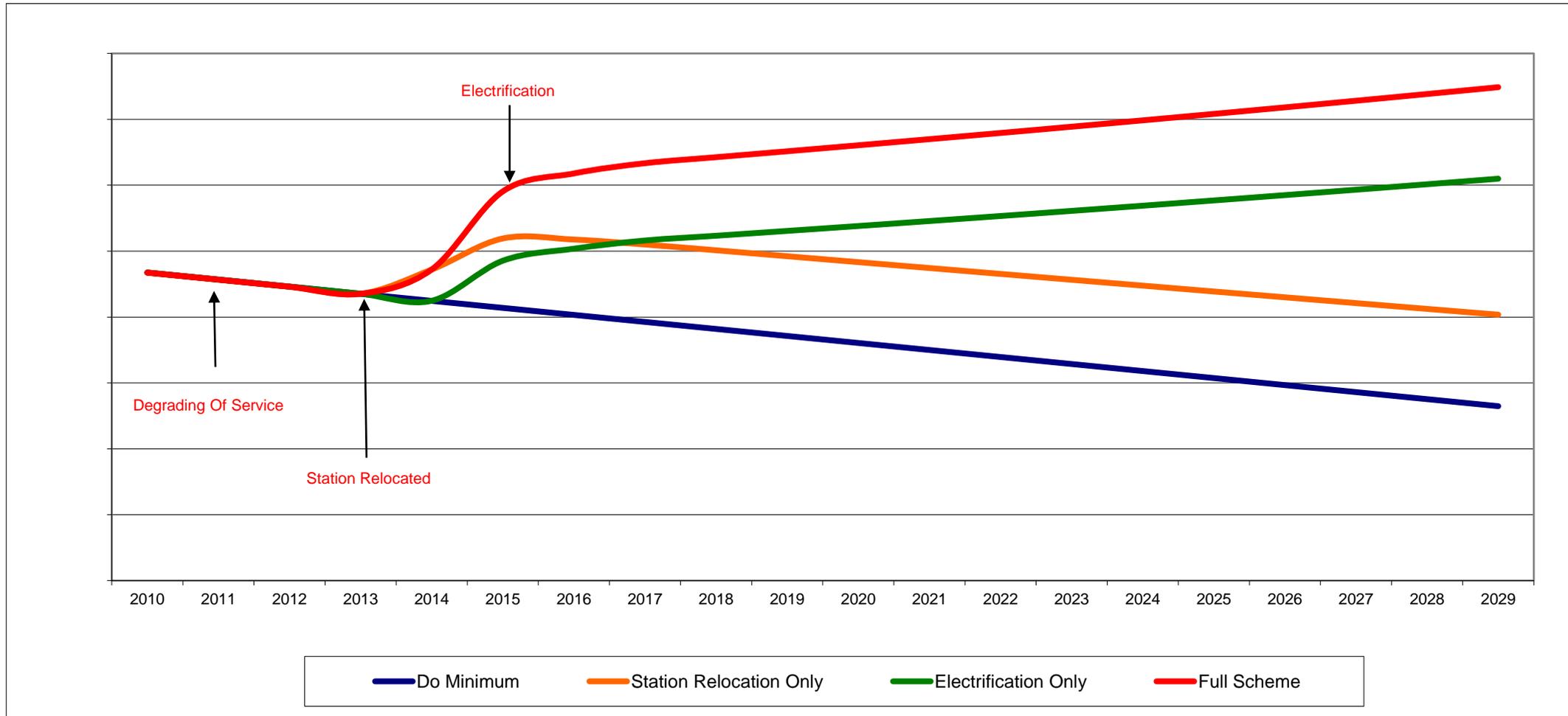


Old station

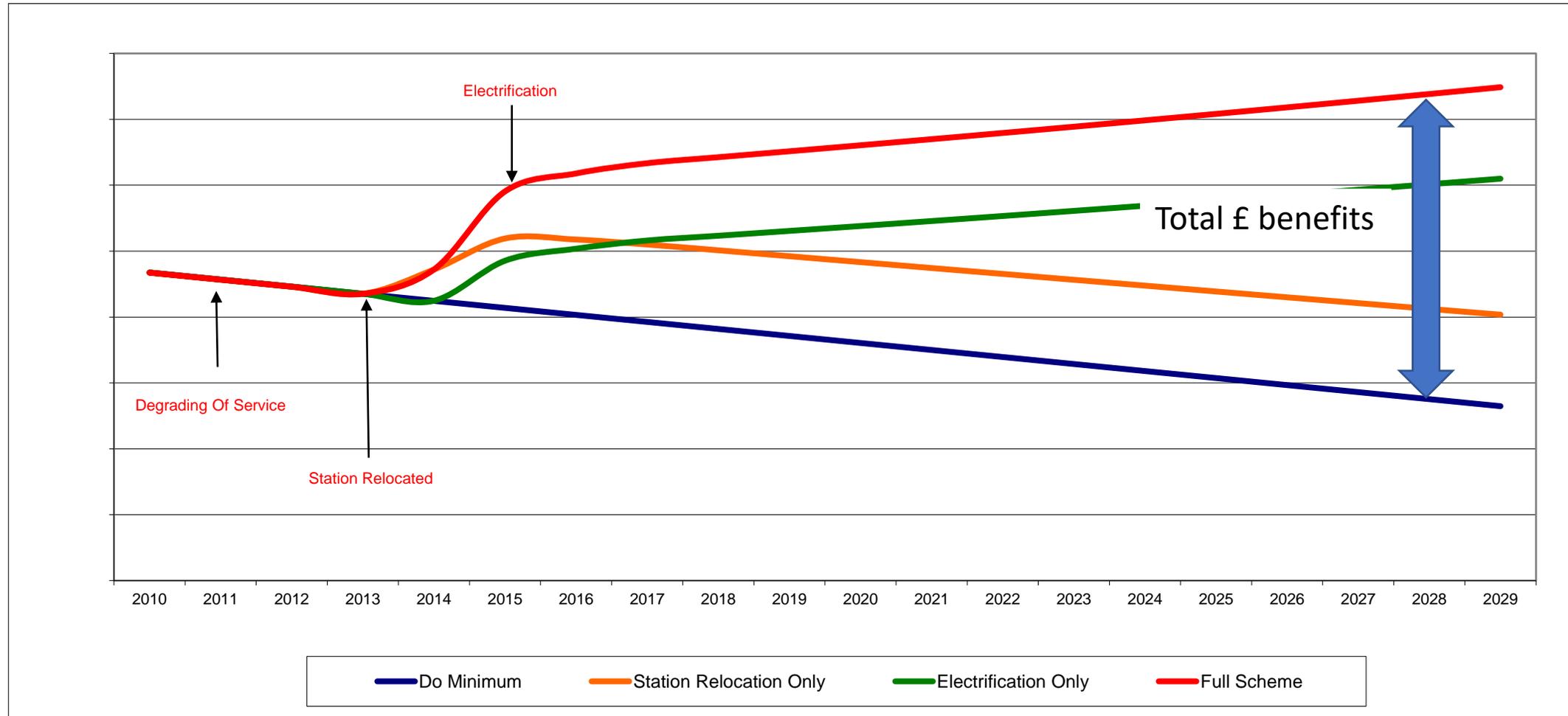


New
station

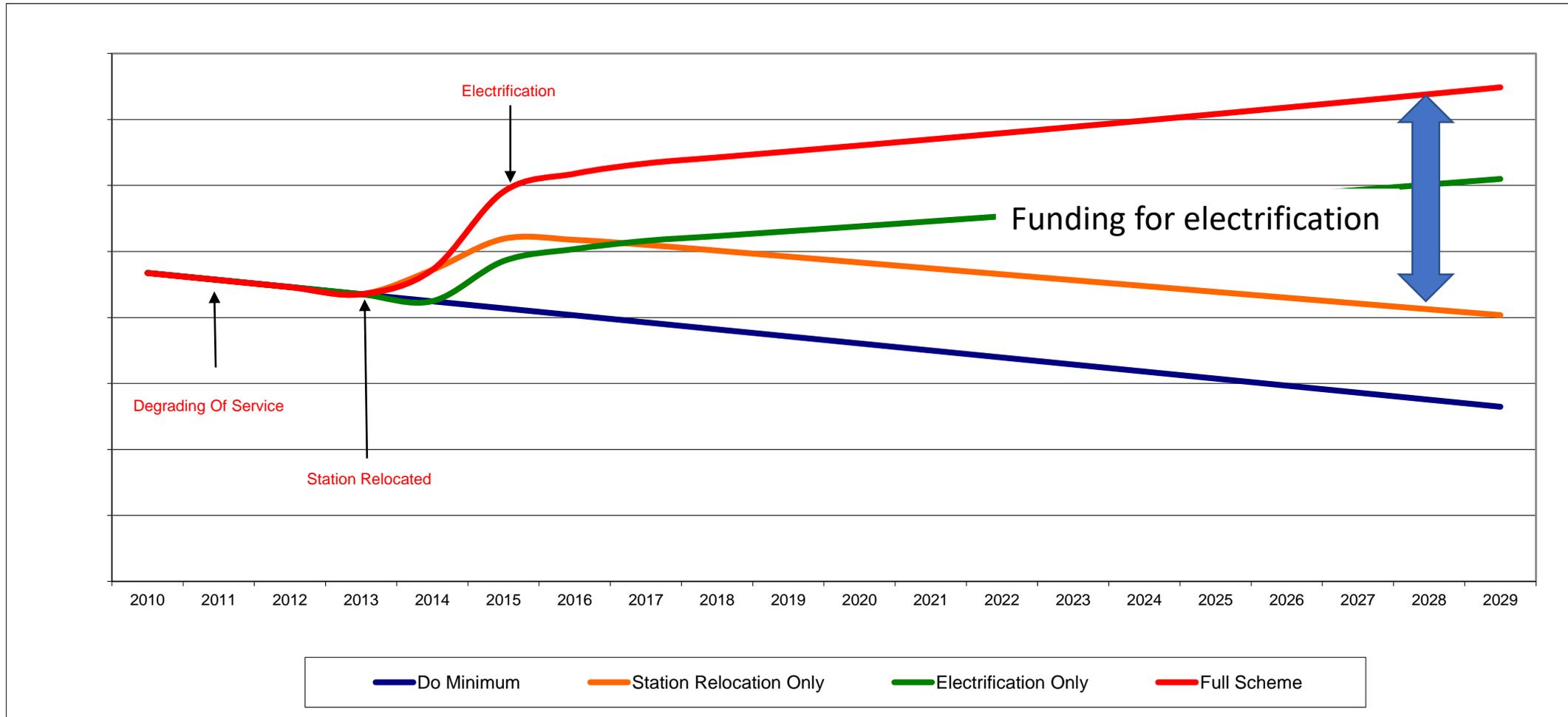
Using benefits to finance the scheme



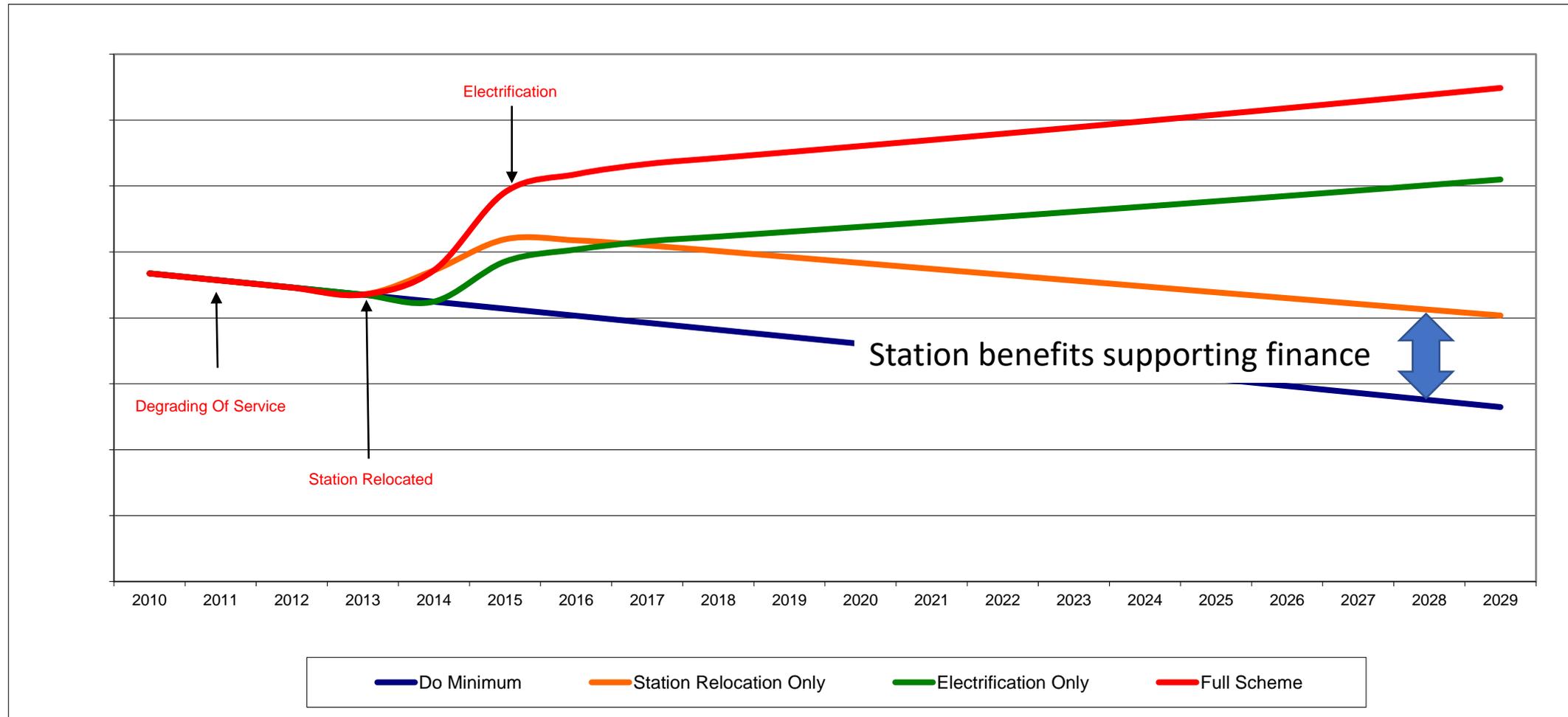
Using benefits to finance the scheme



Using benefits to finance the scheme



Using benefits to finance the scheme

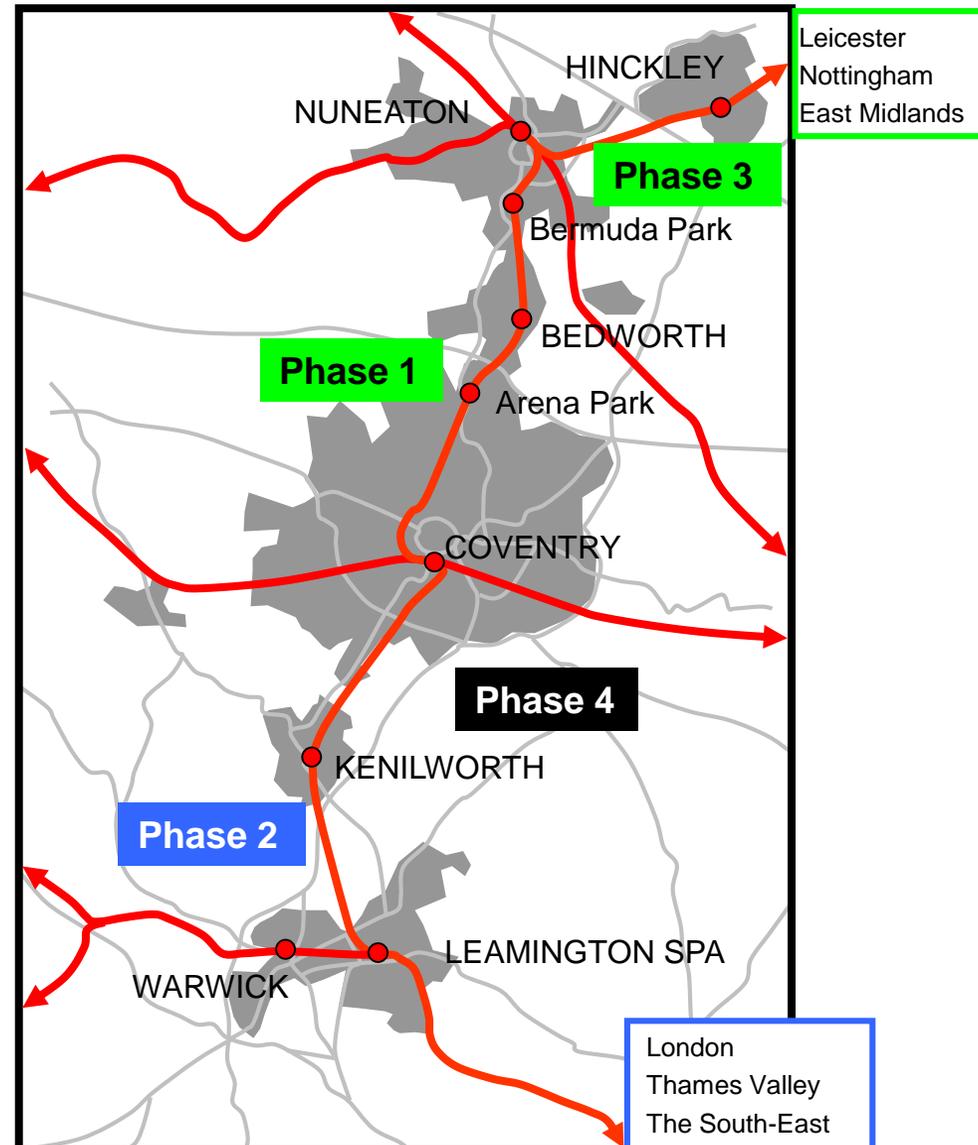


Building Railway Stations - NUCKLE

The NUCKLE Programme

Part of a bigger regional strategic plan

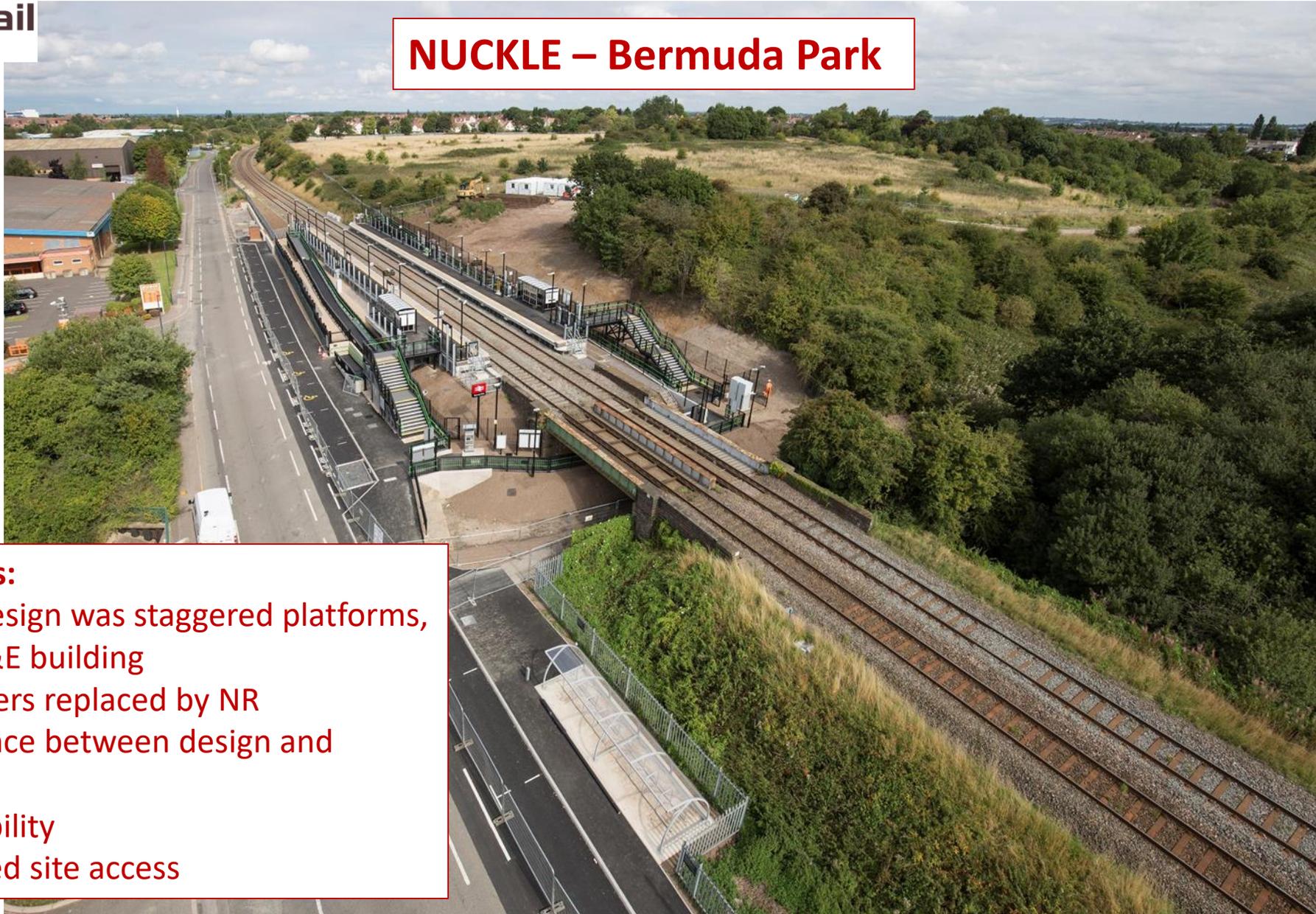
- Phase 1 – Coventry to Nuneaton Rail Upgrade
- Phase 2 – Leamington to Coventry
- Phase 3 to Leicester / East and/or Phase 4 across Coventry



NUCKLE – Bermuda Park



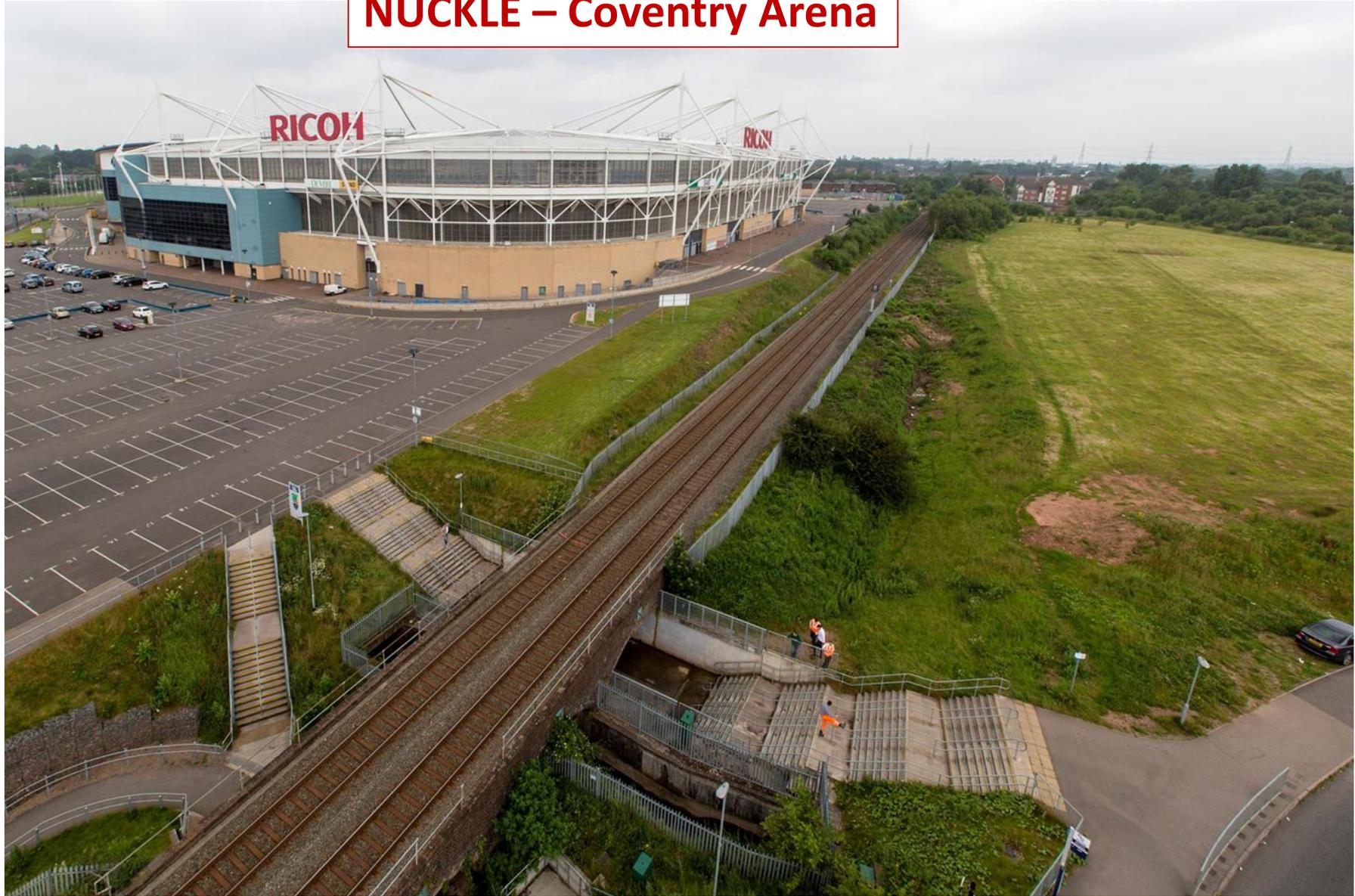
NUCKLE – Bermuda Park



Talking points:

- Original design was staggered platforms, due to M&E building
- Long timbers replaced by NR maintenance between design and delivery
- UB9 instability
- Constrained site access

NUCKLE – Coventry Arena



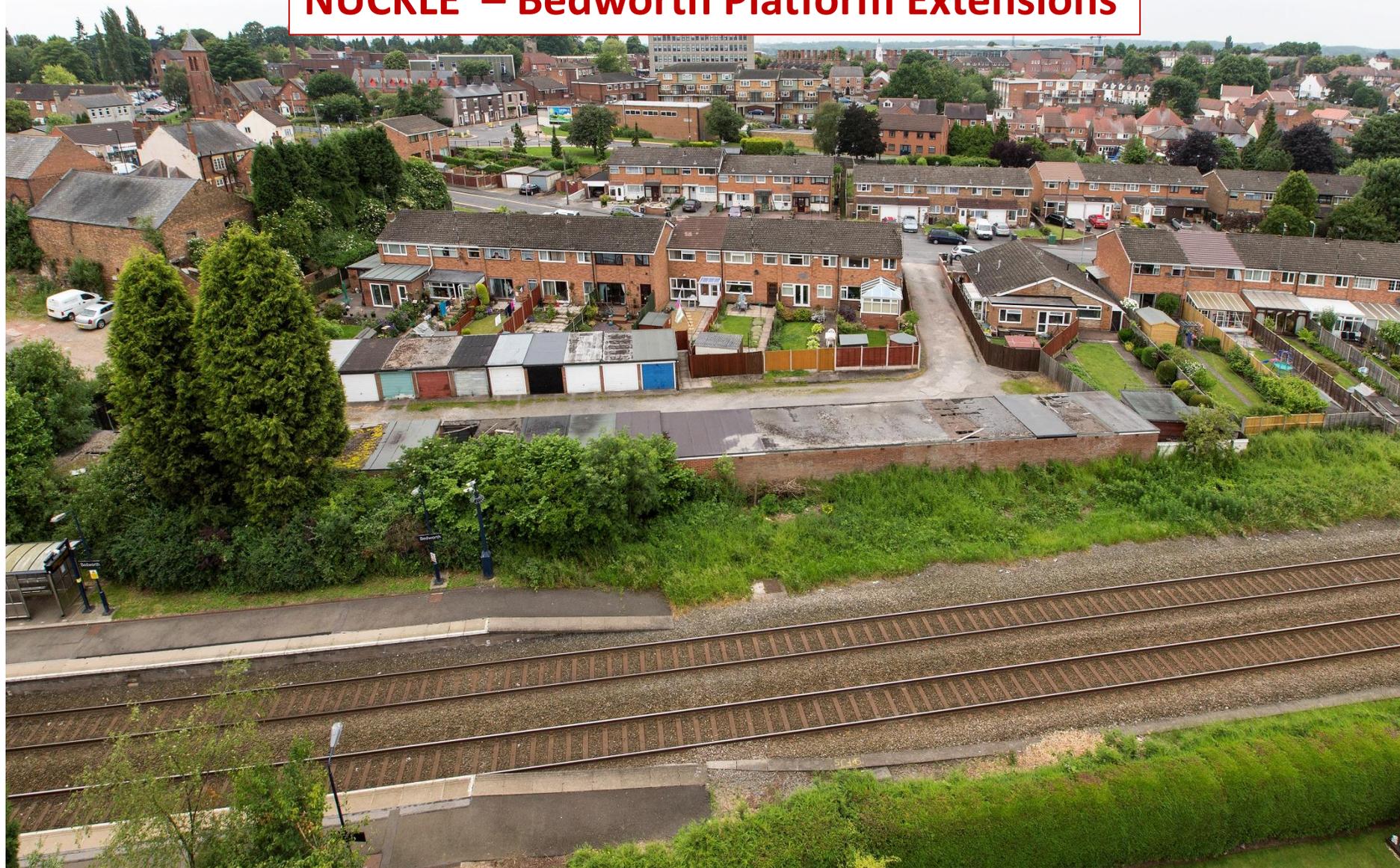
NUCKLE – Coventry Arena



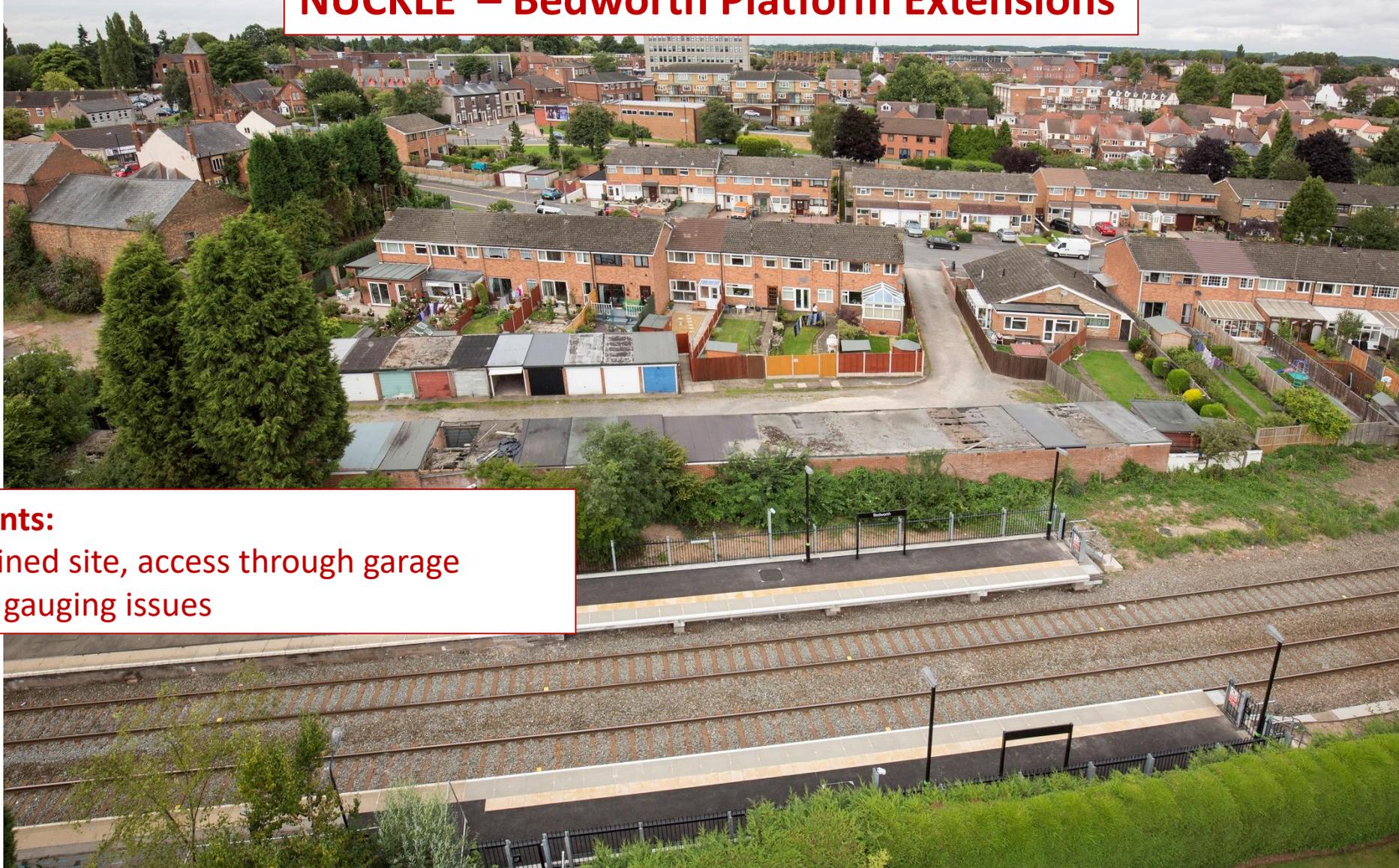
Talking points:

- Built around signal, relocation delays, allocation of responsibility
- SAG
- Stakeholder management & train services
- Steel sleepers
- Funding constraints

NUCKLE – Bedworth Platform Extensions



NUCKLE – Bedworth Platform Extensions



Talking points:

- Constrained site, access through garage
- Existing gauging issues

The Future ...



Thank you for listening

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