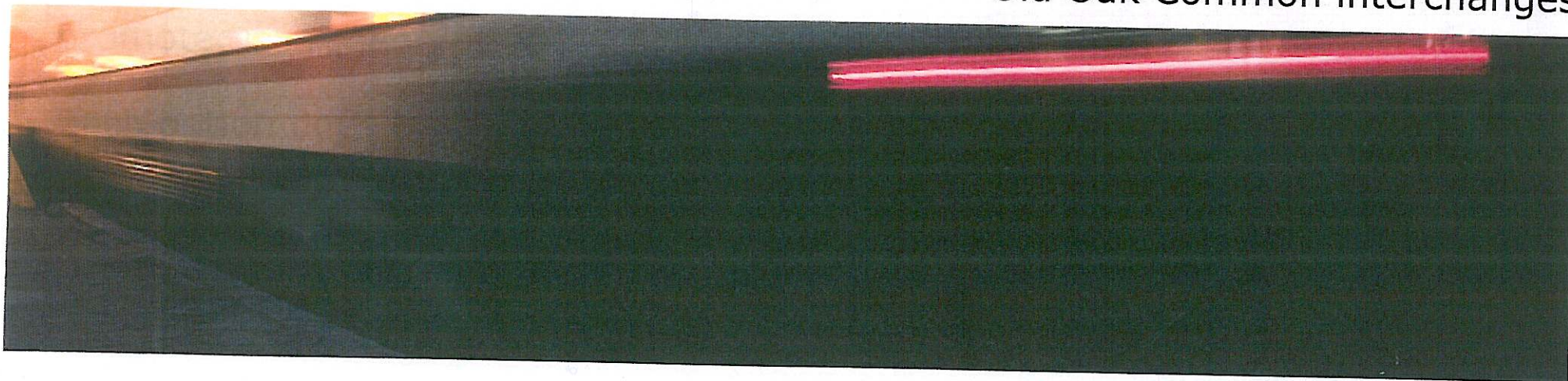


Arup presentation to Lord Adonis
3 February 2010

Comparison of Heathrow Hub and
Old Oak Common interchanges



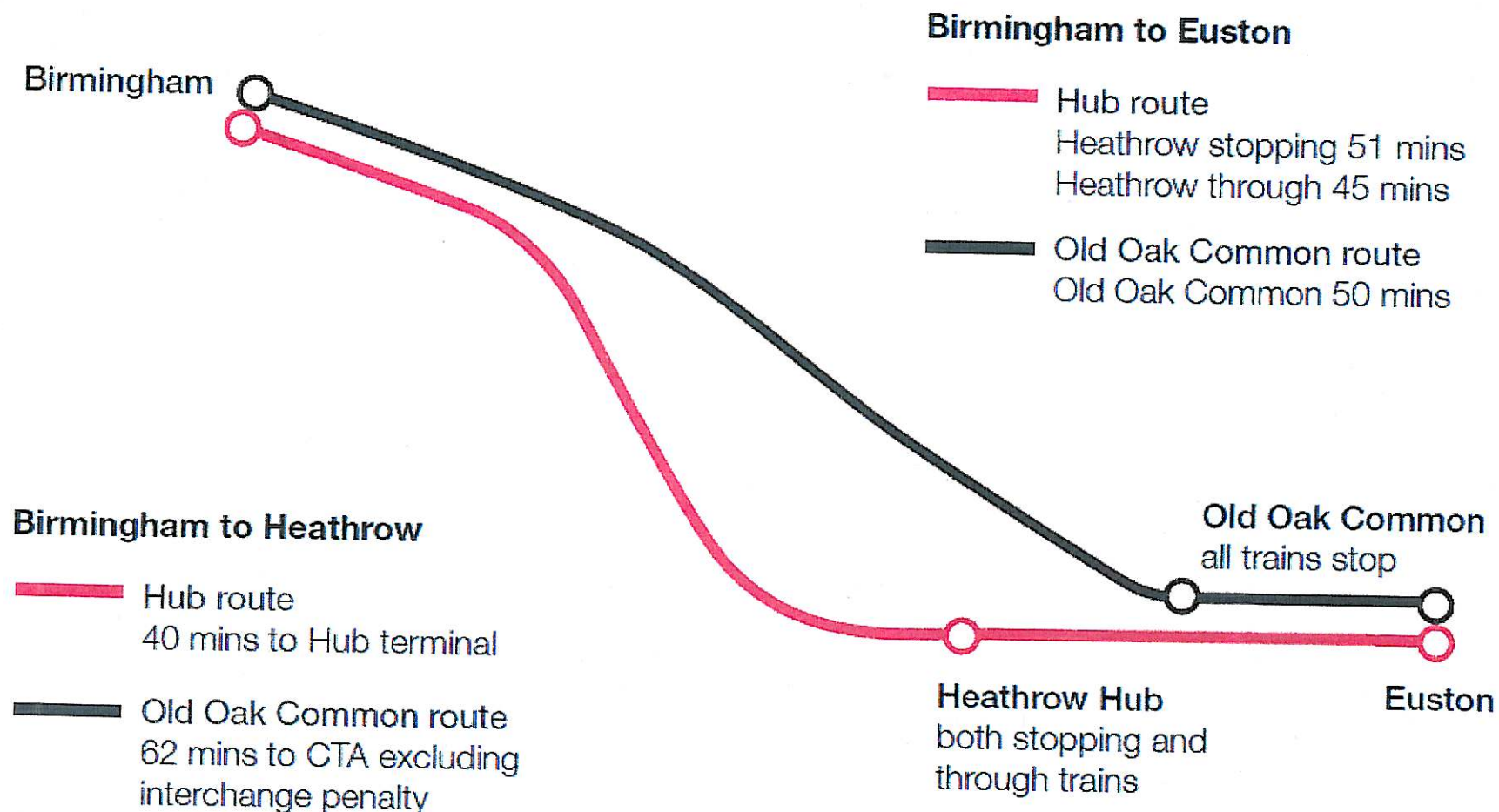
Recap

2

- Choice - Heathrow Hub or Old Oak Common
- Key issues: Time penalties, connectivity, dispersal and delivery
- Comparative analysis - Limited but revealing
- The interchanges serve different purposes
- Heathrow Hub – connectivity; Promote modal shift; benefit Britain's regions
- Old Oak Common - Manages overcrowding, promoted as regenerative
- Each option does best that which it is designed to do

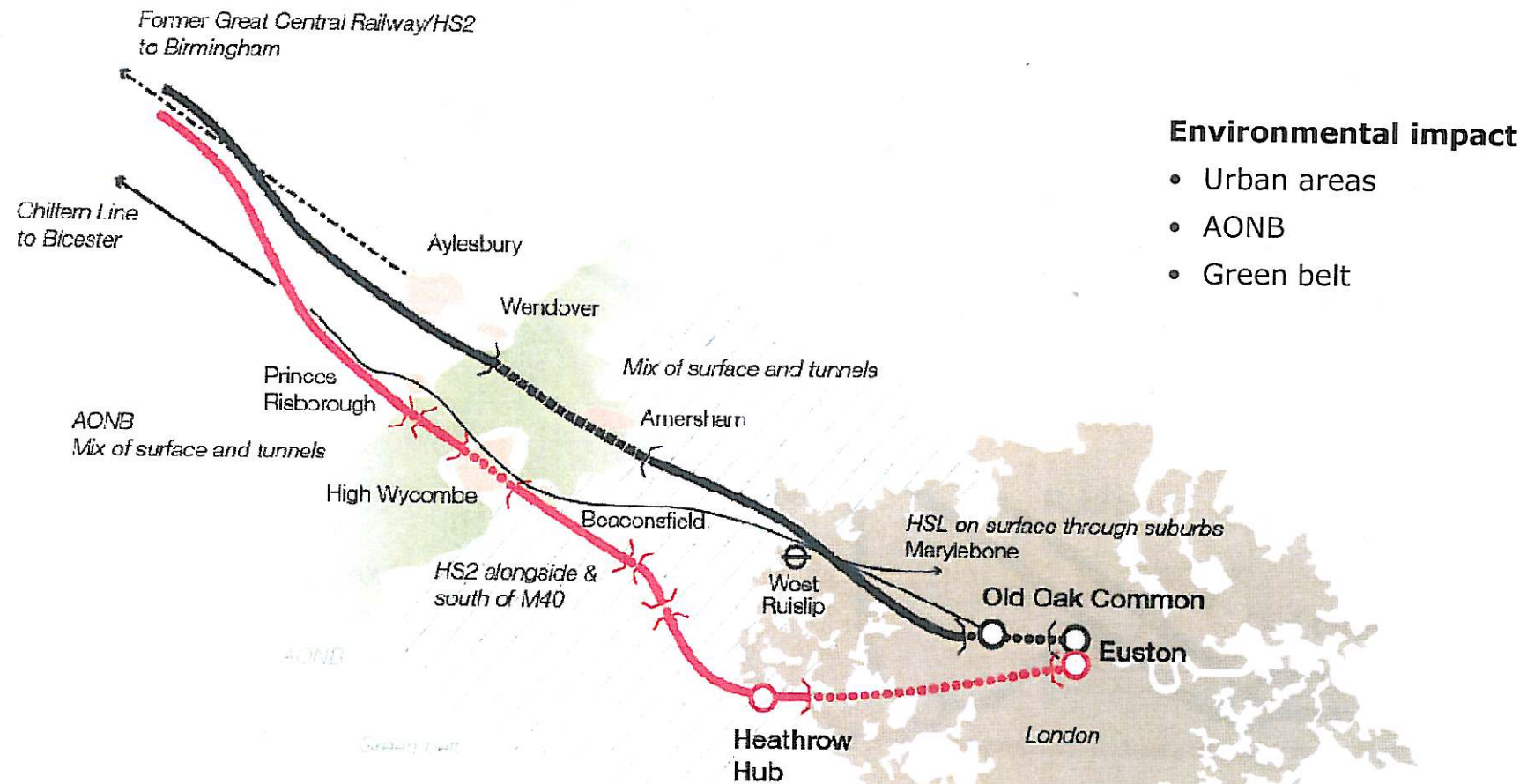
Route alignments: Journey times

3



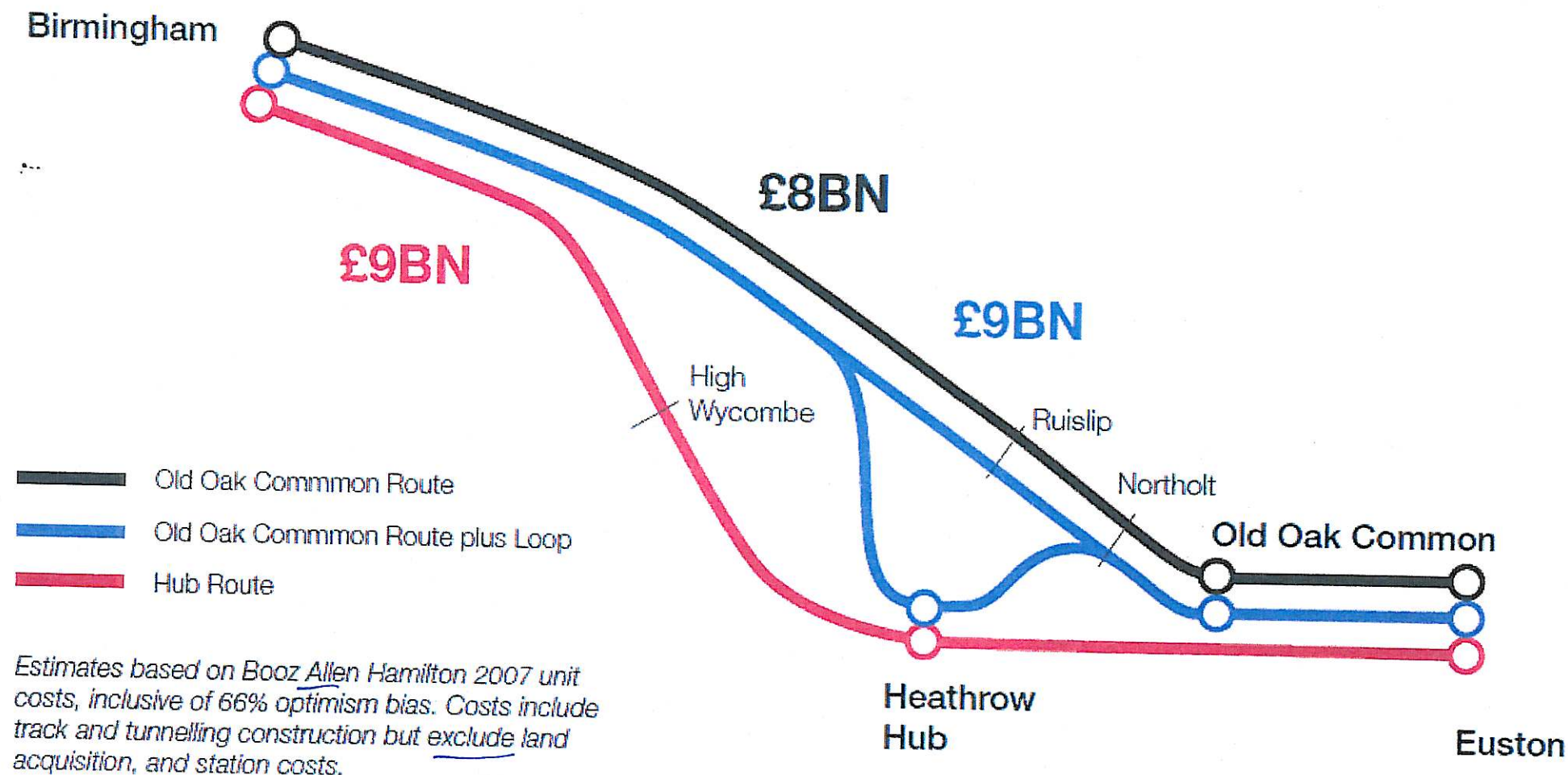
Route alignments: Environmental impacts

4



Route alignments: Costs

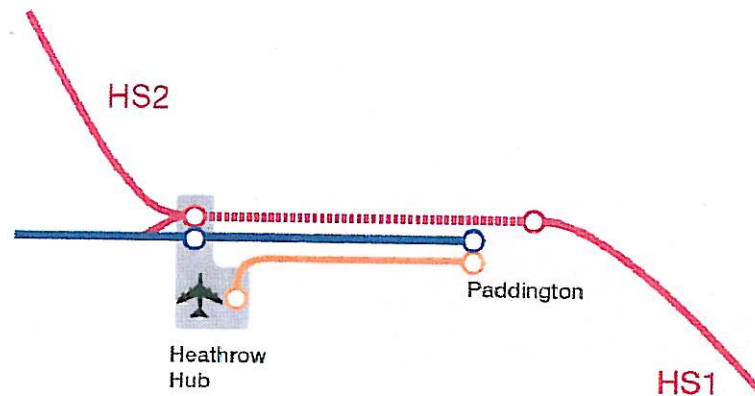
5



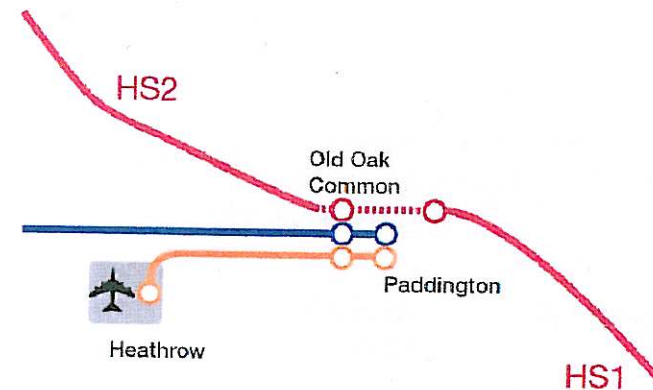
Interchanges: Connectivity and benefits

6

Hub Option



Old Oak Common Option



"An interchange in a rail access journey to the airport suppresses demand by approximately 50%. It is unlikely that anything other than a direct connection (between Heathrow and) high speed rail would result in significant reductions in flights".

MVA Systra, 2009

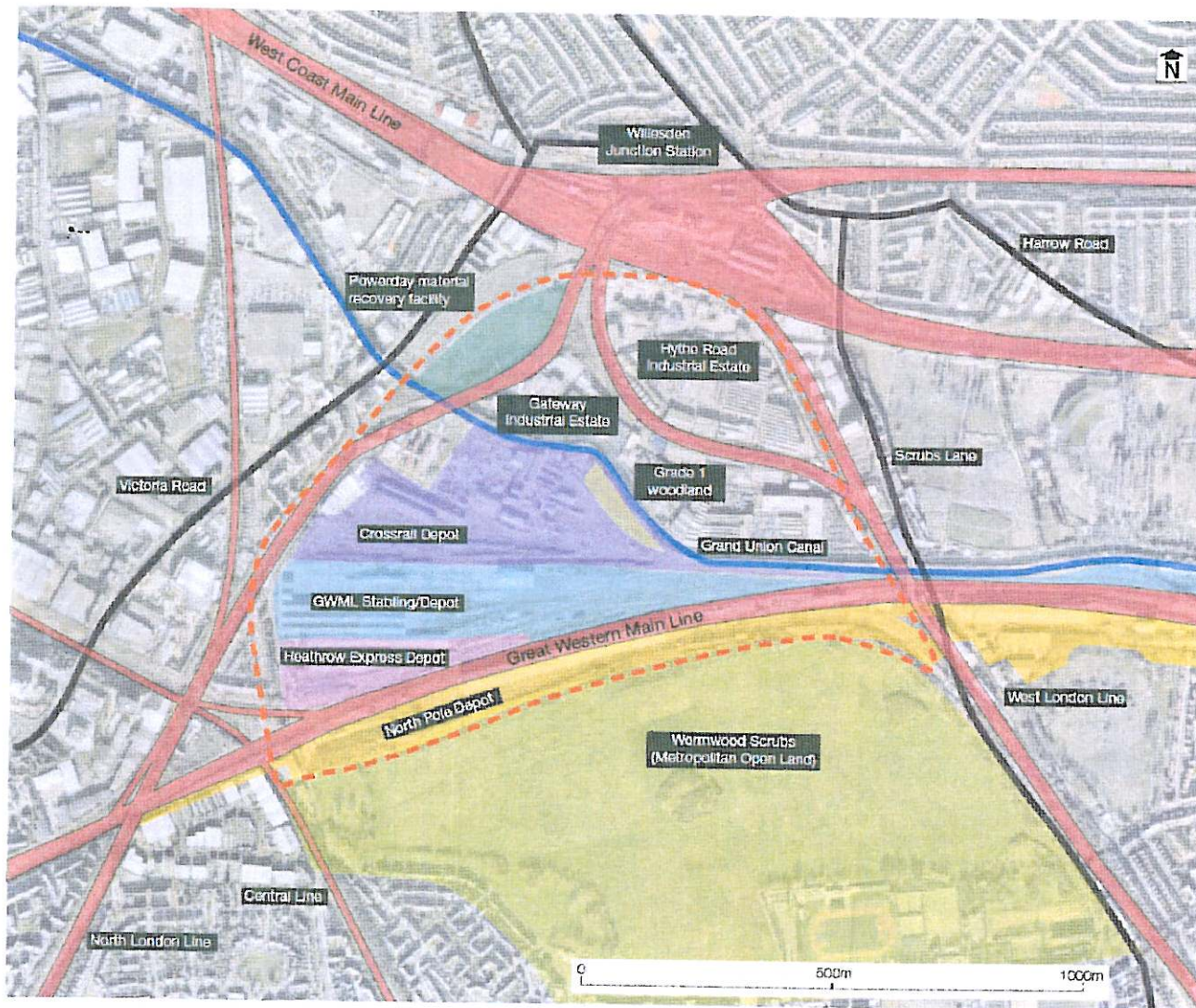
"A seamless connection, or nothing".

Guillaume Pepy, 2009

Recommended interchange penalty of 1 hour for airport passengers.
Rail Options for Scottish Airports, Booz Allen Hamilton, 2001

Old Oak Common: Deliverability, costs and risks (1)

7

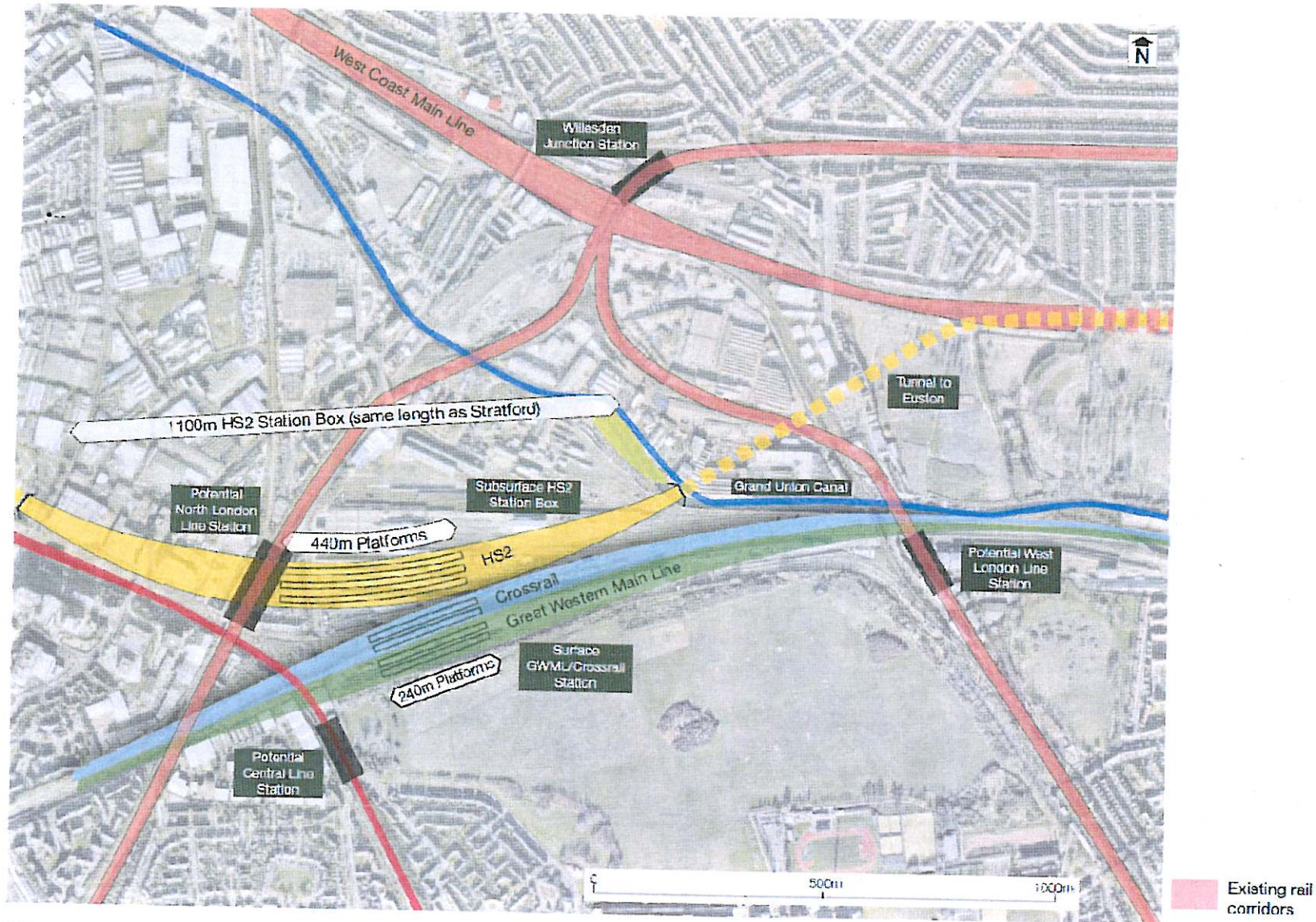


"The disadvantages of undertaking major new construction work alongside the working railway outweigh the advantages. In addition to the operational complexity of working alongside live railway, the technical problems with interfacing between new technologies and old, often obsolete technologies can be considerable"

Delivering a Sustainable Railway, DfT 2007

Old Oak Common: Deliverability, costs and risks (2)

8

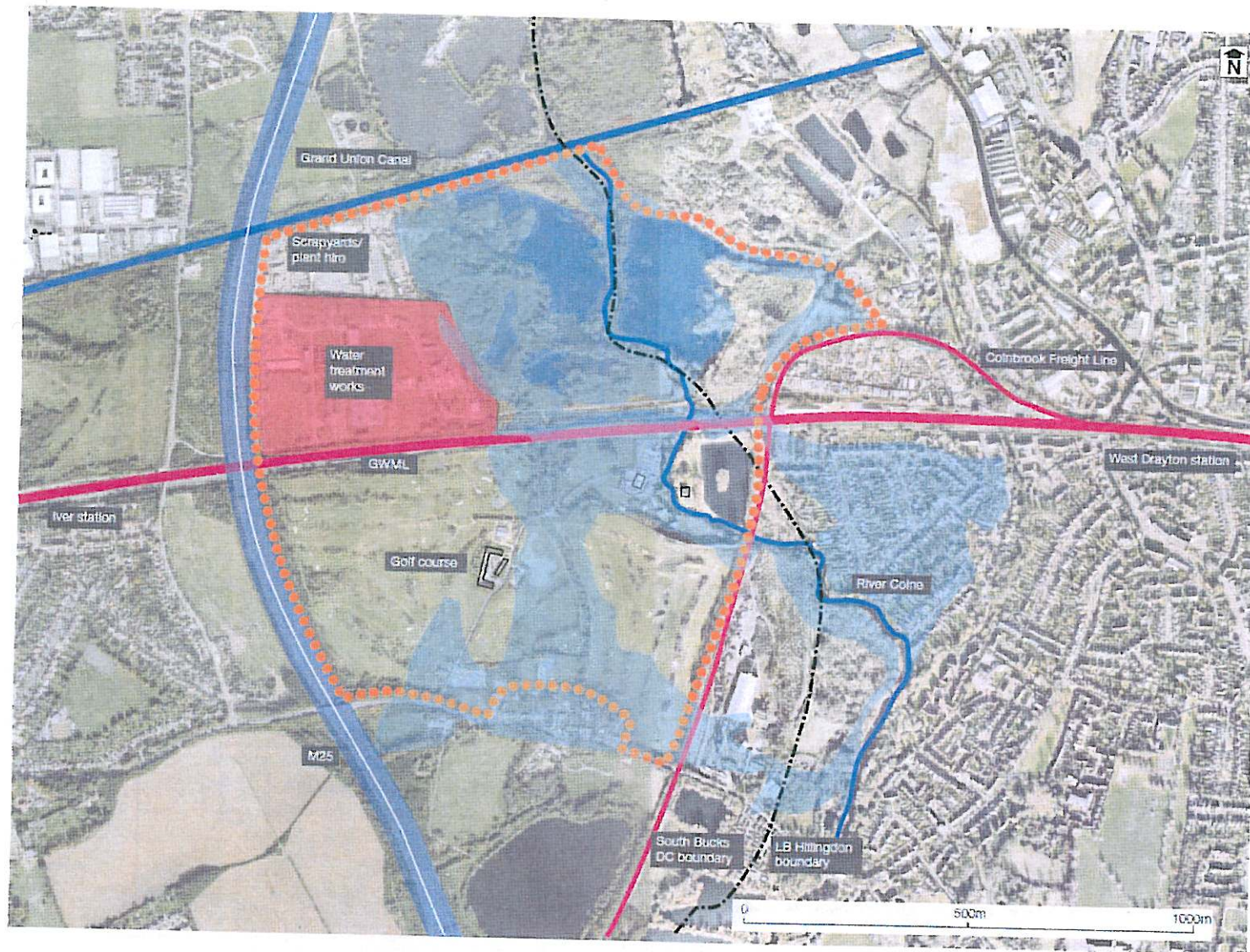


Commercial in confidence

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Heathrow Hub: Deliverability, costs and risks (1)

9

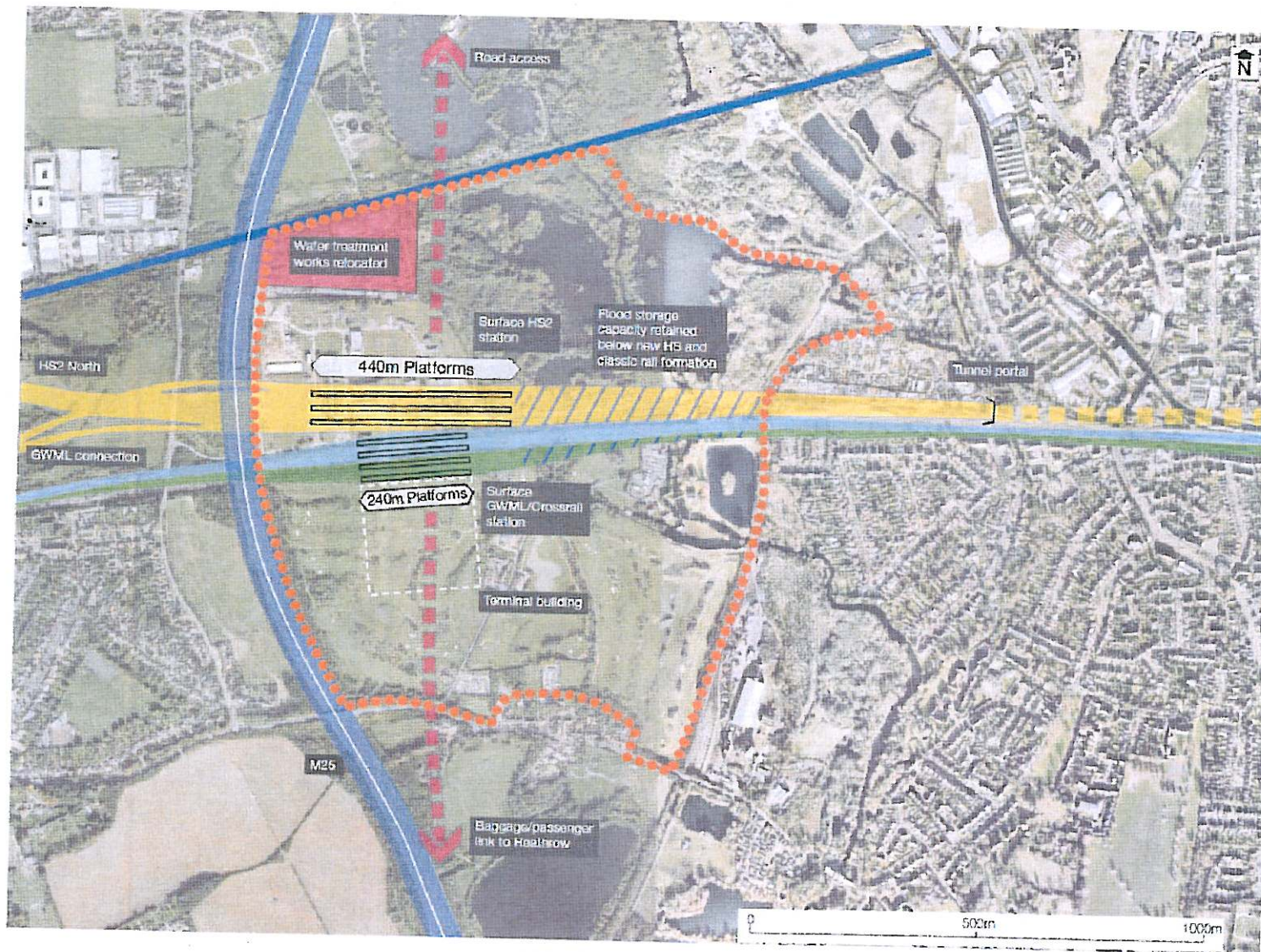


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Heathrow Hub: Deliverability, costs and risks (2)

10



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Heathrow Hub revenues

11

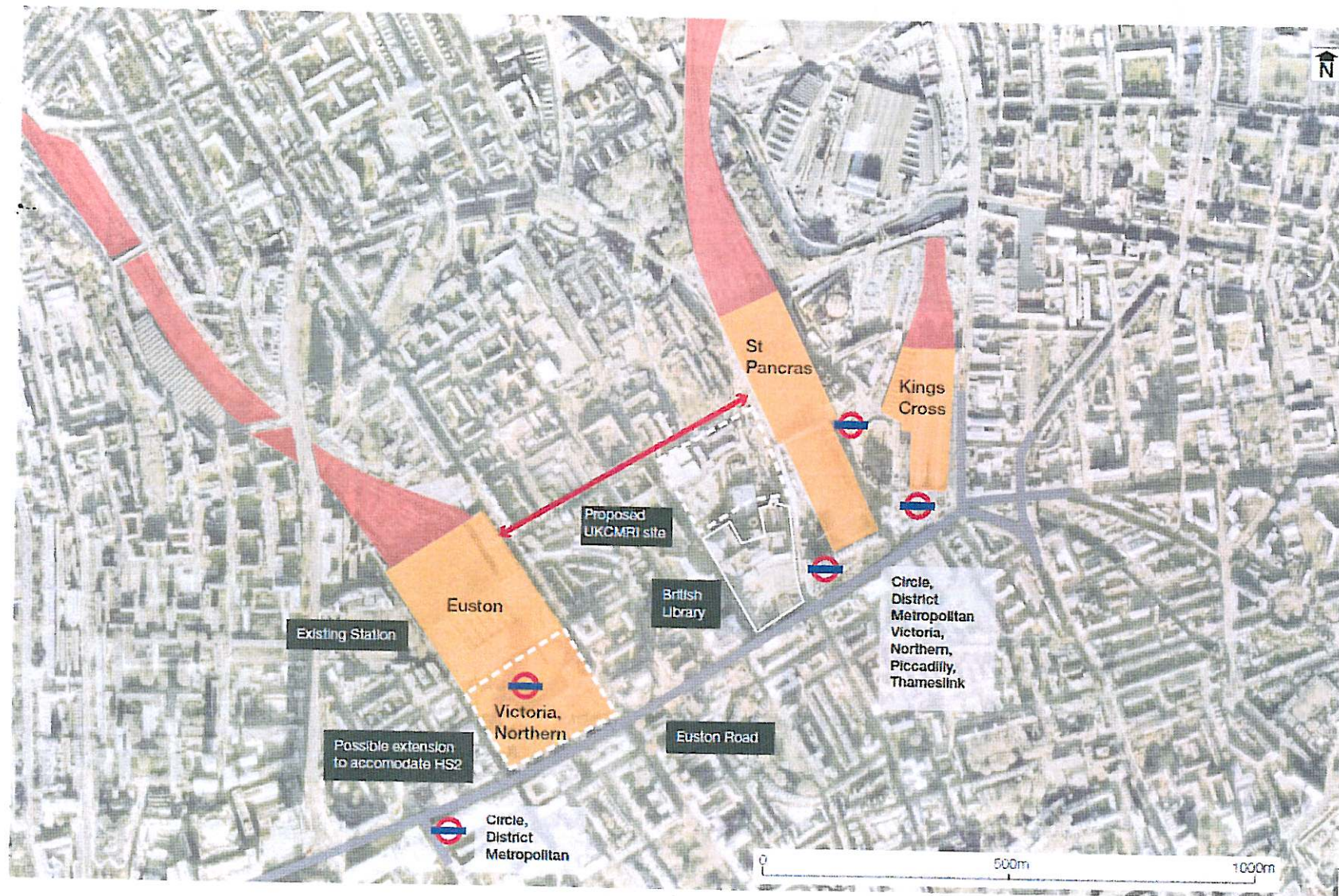


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Managing London dispersal

12



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Summary of route proposal comparisons

13

	Heathrow Hub	Old Oak Common
Policy fit		
Journey times		
Environment		
Affordability		
Deliverability and risk		
Revenues		
London dispersal		
Consensus		

Supporting a direct route through Heathrow

14



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BRITISH AIRWAYS



Chiltern Railways

Airports work best when they're connected directly to High Speed Rail.

Cinven



That's been recognised by our European competitors. Paris, Brussels, Amsterdam and Frankfurt airports all have mainline connections to High Speed Rail networks.

EC HARRIS
BUILT ASSET
CONSULTANCY



High Speed Rail offers businesses better access to global gateways like Heathrow. It also encourages people to access airports by train, not car, which benefits our environment.



Britain's new high speed main line must run directly through Heathrow. The airport makes our companies globally successful. Let's make sure it's on the right track.



JCDecaux



NOMURA

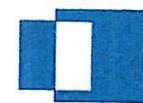


sage

sodexo



United Business Media



West
London
Business
Chamber of Commerce

Wragge & Co

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amazon.com

cereno

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Hilton

Don Richards
Chartered Accountants

KIER
Kier Moss

ACTUAR

area

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BRITISH AIRWAYS

BAW Heathrow

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Doyle Clayton

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ECS

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HSBC

imago

James Cowper

Legal &
General

MANCHES

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Thames Valley
Economic Partnership

Microsoft

Business Exchange

Newbury College

New
Greenham
Park

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ORACLE

Overbury

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PRUPIM

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Reading

rua

SOUTH EAST
ENGLAND
The Hub for the South East

SEGRO

SIEMENS

Slough

syngenta

...

TVE

ucb

University of
Reading

Vall Williams

vodafone

Wm
Wentworth

West Berkshire

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Wentworth

Wyeth

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Regus

Robertson
LANGUAGES

Scottish and Southern

THALES

TRL

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Supporting a direct route through Heathrow

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Concluding remarks

- Wide coalition of businesses say Britain's new high speed main line must run directly through Heathrow
- Old Oak Common; good dispersal point, but a Heathrow Interchange?
- The Heathrow Hub; largest multimodal transport interchange in Europe, but less effective dispersal point for London Boroughs
- Heathrow Hub vs Old Oak Common - Is it either or?