High Speed UK

Connecting the Nation

www.highspeeduk.co.uk

20 Hartley Road Harrogate HG2 9DQ 18th June 2024 07591 959134

Lord Houchen, Tees Valley Mayor

Dear Mayor Houchen,

We wrote on 20/05/24 to alert you (and other northern Mayors) to critical failings in Transport for the North's 2024 Strategic Transport Plan (STP). These failings will effectively sabotage any prospect of the STP delivering the transformation in railway network connectivity and capacity, necessary to bring about Levelling-up and Net Zero in the Northern Powerhouse. In terms of lost economic growth, they will cost the Northern economy £100 billion per annum, over £6,000 per citizen every year.

At Network North, we are in a unique position to level this criticism against Transport for the North, the official body charged with developing the region's railway network. Network North (NN) comprises a detailed suite of railway engineering interventions extending across the Northern Powerhouse. Its routes have been designed to a scale of 1:10,000, bespoke station solutions have been developed in all major cities, and a 'demonstrator timetable' is now in place to illustrate both the journey time savings that Network North can achieve, and its overall performance as a transformed railway network for the North.

All this demonstrates how Network North will vastly outperform the official Northern Powerhouse Rail (NPR) proposals, on any conceivable metric – either connectivity, capacity, integration with local networks, or adherence to TfN's own journey time targets.

We would like to take this opportunity to explain the key features of Network North, and the particular advantages that it will bring for the Tees Valley region that you represent.

Network North - A Fully Integrated Network for Passengers and Freight

Network North is the Northern element of the High Speed UK concept for an alternative Integrated Rail Plan covering all of Great Britain, completely independent of HS2, Northern Powerhouse Rail and all other official schemes. Network North comprises an integrated blend of new construction, upgrading of existing lines and restoration of abandoned lines, holistically designed as a network to achieve the following:

Comprehensive Direct Links between all Principal Cities (see Figures A01 & A02)

Network North will provide high-quality and frequent services comprehensively interlinking the 7 principal cities of the Northern Powerhouse – Liverpool, Manchester, Sheffield, Bradford, Leeds, Hull and Newcastle, plus Manchester Airport – and extending to all most communities, large and small. *By contrast, NPR will fail to deliver comprehensive services, not only for major cities such as Sheffield and Bradford, but also most of the region's smaller communities.*

Transpennine Capacity Transformed (see Figure A03)

Network North will provide 4 new tracks for Transpennine passenger services, and 2 new tracks for freight. Only with an intervention of such scale can sufficient extra capacity be provided to support Levelling-up and Net Zero in the Northern Powerhouse. *By contrast, NPR will provide only 2 new Transpennine tracks.*

Achievement of TfN Journey Time Specification (see Figure A04)

Network North will meet or beat all of TfN's targets for intercity journey times, and overall it will achieve 9 out of 11 specified timings. *By contrast, NPR will achieve only 1 out of 11.*

Full Integration with Existing Network (see Figure A05)

Network North will be fully integrated with the North's existing rail network. Its services will access all stations served by the present intercity network, and bespoke solutions have been developed in all principal cities (and at Manchester Airport) to deliver a step-change increase in capacity – necessary both for planned Network North intercity services and for local services which will be approximately doubled in

frequency. By contrast, the Strategic Transport Plan is devoid of any substantive proposals for an integrated and higher capacity transport system.

Establishment of a Coast-to-Coast Transpennine Freight Railway (see Figure A06)

Network North's plans include the establishment of a dedicated route from Liverpool to Immingham on which railfreight will be 'prime user'. This will realise TfN's own vision for a 'Freight Superhighway connecting Liverpool and the Humber' as set out in the 2018 Strategic Transport Plan – now regrettably deleted from all subsequent iterations of Transport for the North's Strategic Transport Plan.

Network North in the Tees Valley (see Figures A07TV & A08TV)

The Network North scheme in the Tees Valley and the wider North-East is based on 3 radical interventions:

- A new Anglo-Scottish high speed line, following the corridor of the A1(M)/East Coast Main Line, and passing through the heart of both Darlington and Newcastle;
- The Durham Coast line hugely upgraded for through intercity services from London, and from Liverpool/Manchester/Leeds. This will incorporate a new crossing of the River Tees, to place Middlesbrough, Hartlepool and Sunderland on an efficient single line of route with no need for reversal;
- The Leamside Line restored for Anglo-Scottish trunk freight traffic.

These interventions will enable huge enhancement of local passenger services in the Tees Valley, extending northwards to former mining communities in central County Durham and to Wearside and Tyneside.

Network North's performance for the Tees Valley, far exceeding that of Northern Powerhouse Rail, is summarised below:

Northern Powerhouse Community / Station	Refer Figure	Average journey time reduction (percentage)		Direct links** within Northern Powerhouse (o/o 17)		Direct links** outside Northern Powerhouse (o/o 37)	
** including existing links		NPR	NN	NPR	NN	NPR	NN
Darlington	A09	13%	40%	10	17	10	30
Middlesbrough	A10	tba%	tba%	7	9	0	2

Northern Powerhouse Rail's demonstrably huge performance deficit renders it utterly unfit for purpose as a regional railway network, and – in its failure to deliver on either economic or environmental priorities – directly contrary to the public interest. Our massively superior Network North scheme shows a clear way forward for a higher-capacity, better-connected and fully integrated public transport system in the Northern Powerhouse, and we wish to engage with all Northern Mayors as a matter of urgency. We are of course keen to ensure that our proposals best meet the needs of the people you represent; but most importantly, we would respectfully request your cooperation to ensure that clear railway corridors through cities are preserved, and safeguarded from urban development, and that – where tunnelling is required – pile-free corridors are also maintained.

We will contact you shortly with a view to arranging a meeting.

Yours sincerely,

PS

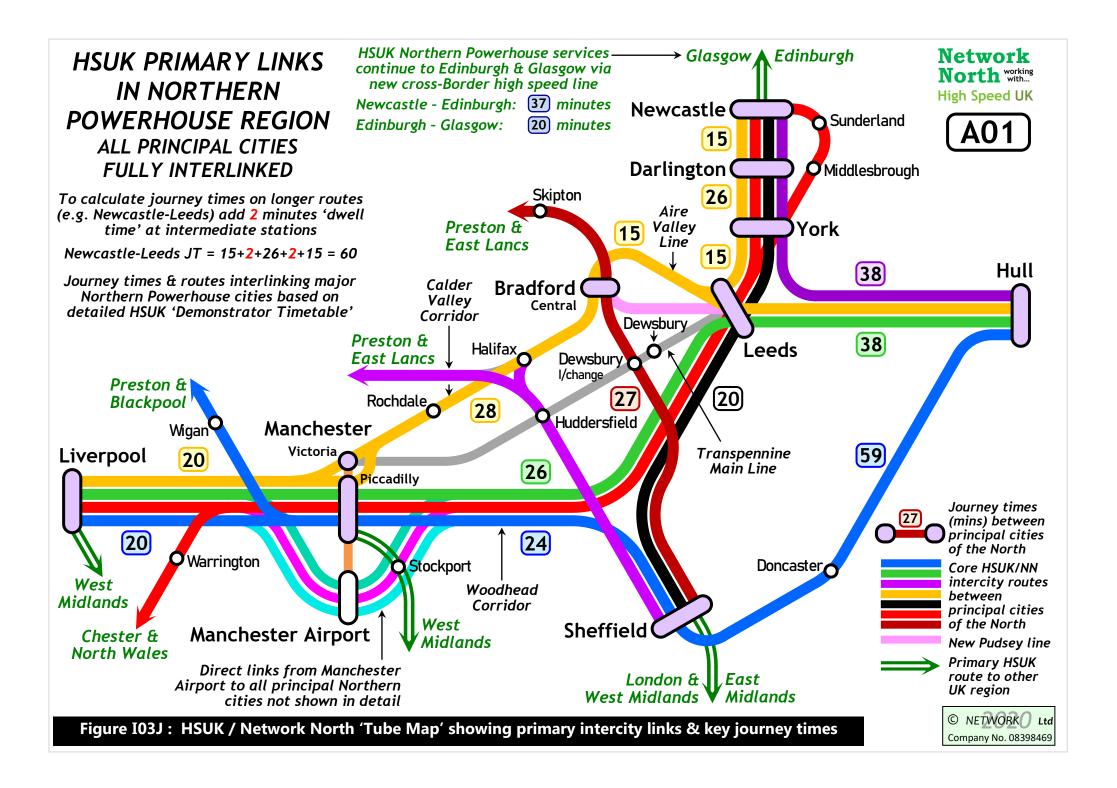
Colin Elliff BSc CEng MICE Civil Engineering Principal, HSUK

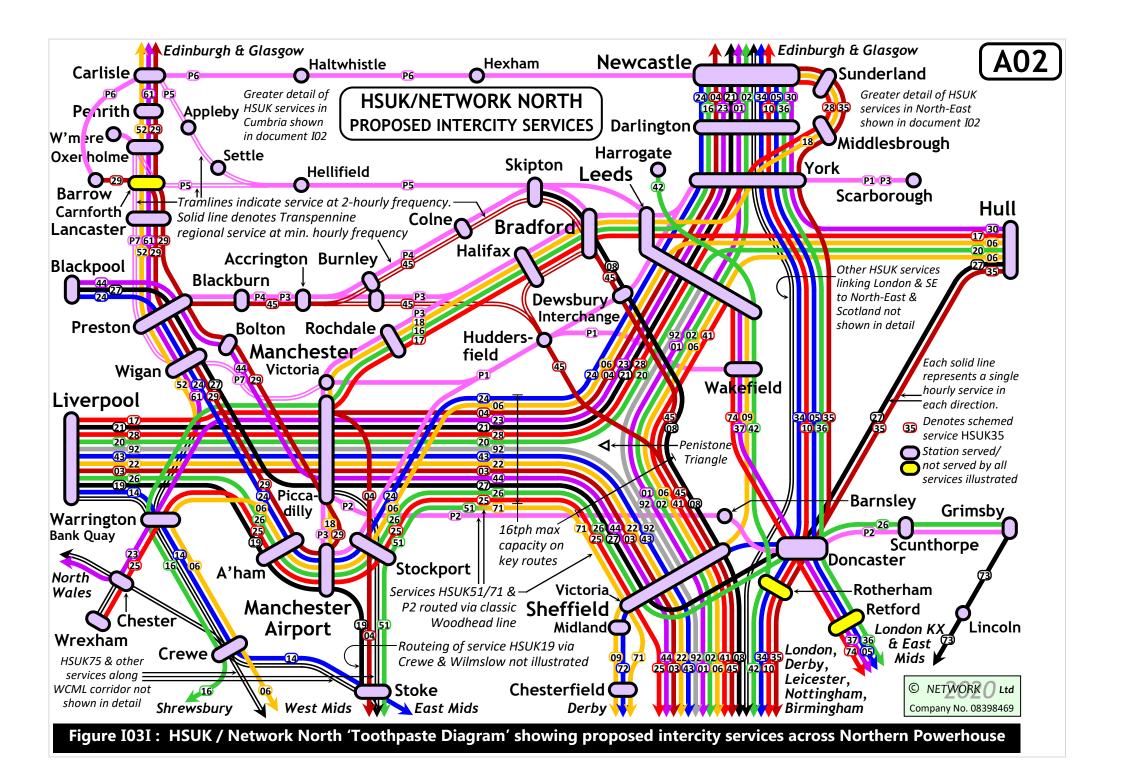
Further information regarding HSUK and Network North can be found on www.highspeeduk.co.uk.

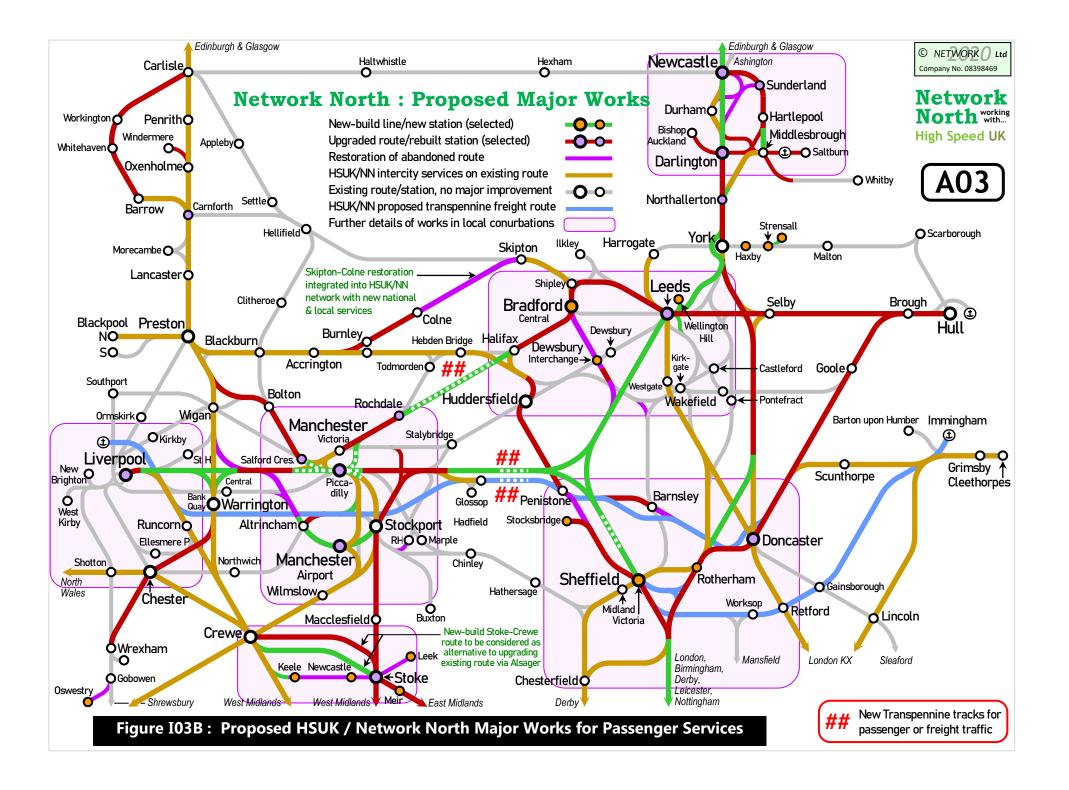
APPENDIX A

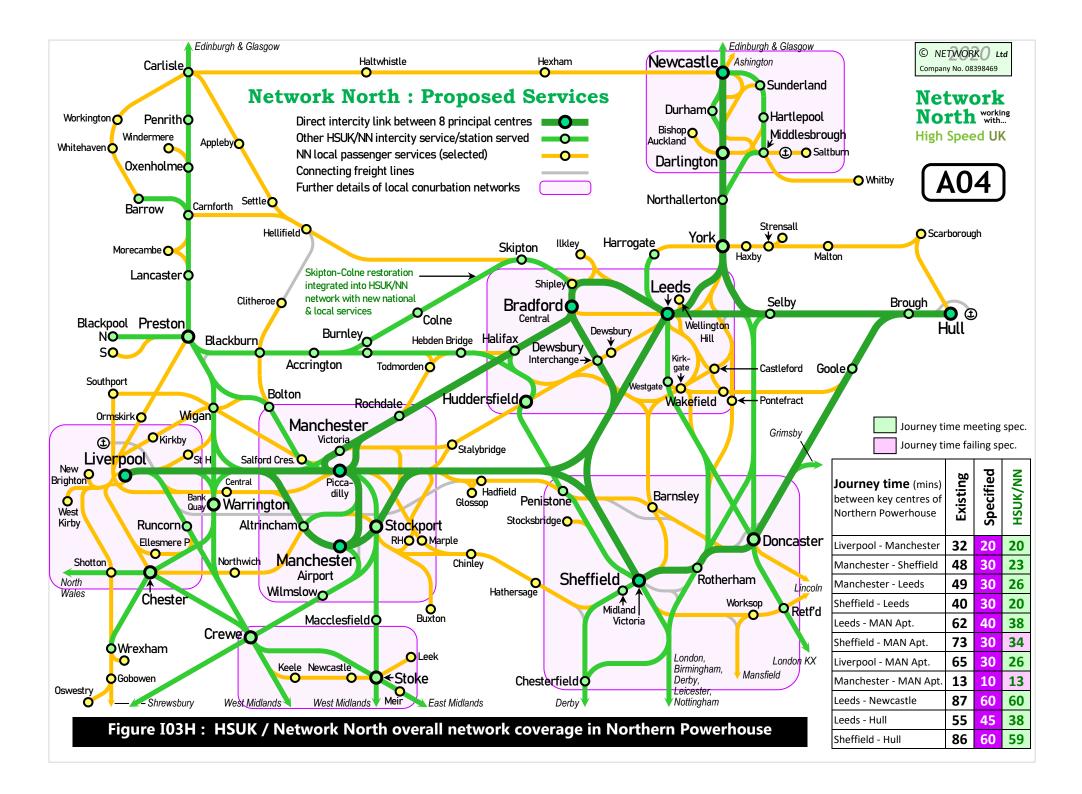
Diagrams showing HSUK/Network North proposals for development of railway network in the Tees Valley

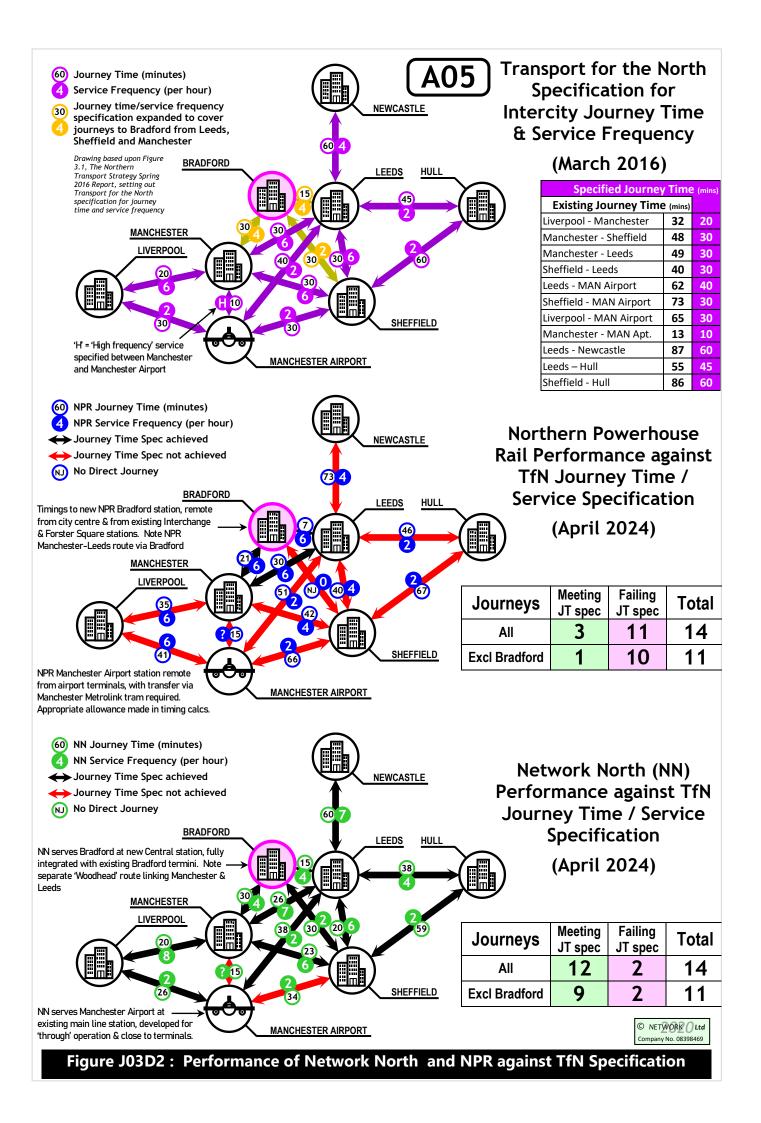
A01	HSUK/Network North 'Tube Map'
A02	HSUK/Network North Intercity Services
A03	HSUK/NN Proposed Passenger Works
A04	HSUK/NN Intercity & Local Network
A05	Compliance with TfN Journey Time Spec
A06	HSUK/NN Proposed Freight Works
A07 TV	HSUK/NN proposed New Works & Upgrades in the Tees Valley & North-East England
VT80A	Indicative HSUK/NN Tees Valley & North-East England suburban services
A09 _{DL}	Direct intercity/local links from Darlington
А10 мв	Direct intercity/local links from

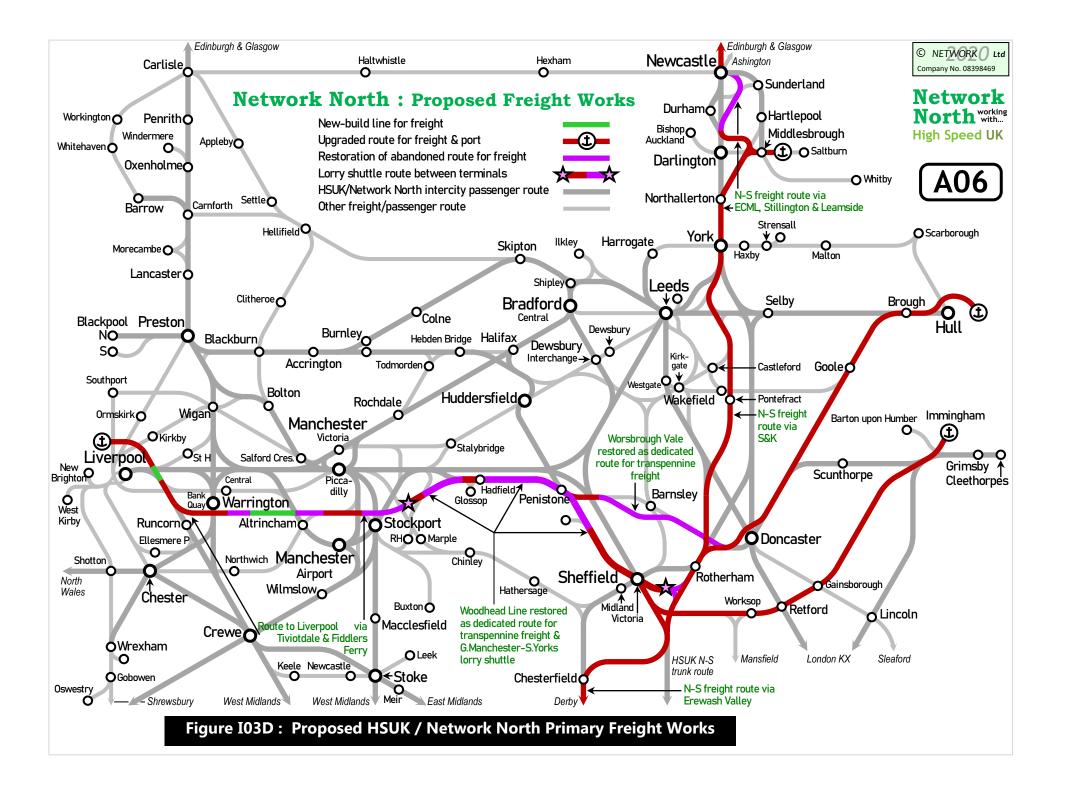












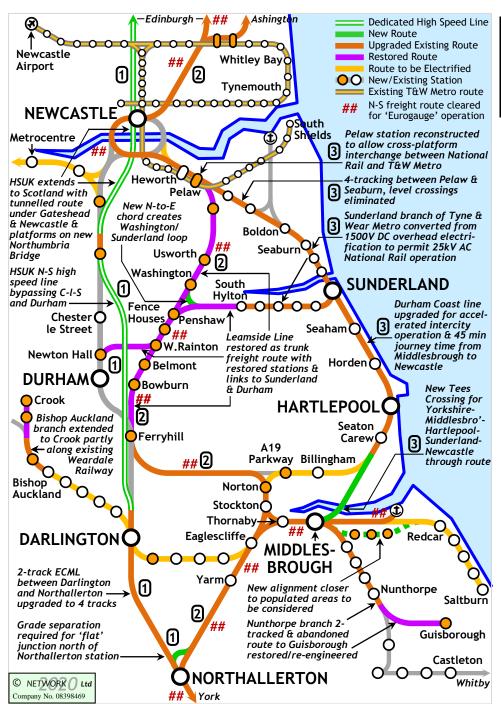


Figure I12I:

HSUK/NN proposed new works & upgrades in the Tees Valley and North-East England



Primary Interventions proposed by HSUK

- New Anglo-Scottish high speed line
- North-South freight spine route including Leamside restoration
- Development of
 Durham Coast route as
 through intercity
 corridor linking Yorkshire/Middlesbrough/
 Hartlepool/Sunderland/
 Newcastle

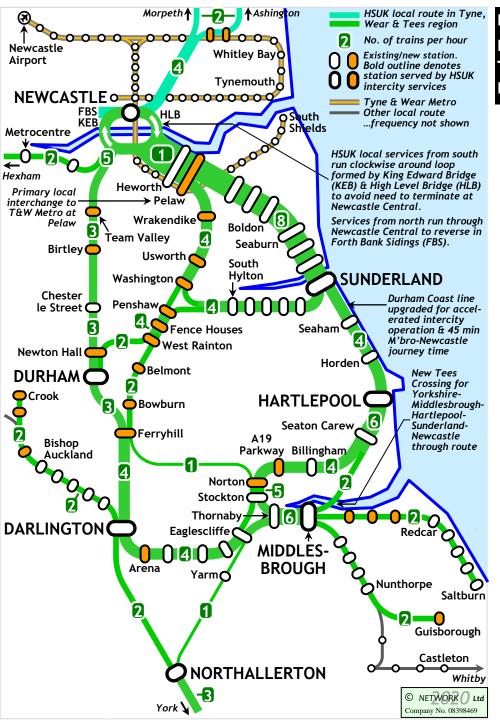


Figure I12J:

Indicative HSUK/NN
Tees Valley & North-East
England suburban services

A08TV

Darlington	lington DL			15	Direct link	
Middlesbrough	MB			No link		
Hartlepool			HP		Total	15
Sunderland				SR		
Newcastle					NE	_
Durham						DH
	DL	MB	HP	SR	NE	DH
No of Direct Links	5	5	5	5	5	5

