

Current Contents of Website, and Version History – V8.0

The current contents of the website are:

Articles on Same Speed Railways

Same-Speed Railways v8.0

Line Capacity vs. Speed for Same Speed Railways v4.2

Line Capacity vs. Speed for Same Speed Railways Volume 2 v1.1

Articles on High Speed Rail

Towards a High Speed Network v15.2

Towards a High Speed Network Appendix D v2.1

Towards a High Speed Network – the Maps v2.1

HS1 Route and Service Plans v7.3

HS2 Route and Service Plans v10.1

HS2 Mk2/Mk3 Route Loadings v2.1

HS3 Route and Service Plans v9.1

HS3 Mk1A/Mk2 Route Loadings v2.4

HS4 Route and Service Plans v11.0

HS4 Mk2 Route Loadings v1.2

HS5 Route and Service Plans v7.0

HS Eastern Routes and Service Plans (HS6 and HS10) v7.0

HS — “ — (HS6 and HS10) Appendix G – Ely Full Track Layout and Interchange Schematics v1.1

HS7 Route and Service Plans v8.0

HS7 Mk2 Route Loadings v1.1

HS Transpennine Routes and Service Plans (HS8 and HS9) v8.0

HS Transpennine Routes (HS8 and HS9) Mk2 Route Loadings v2.1

HS East Anglia and North Kent Routes and Service Plans (HS11 and HS12) v5.0

HS East Anglia and North Kent Routes (HS11 and HS12) Mk2 Route Loadings v1.0

HS Scottish Routes and Service Plans (HS13 and HS14) v4.1

HS Scottish Routes (HS13 and HS14) Mk2 Route Loadings v1.0

Cross-London Inter-Regional Connections v6.0

Estimated Journey Times for High Speed Services v3.0

HS2 and Classic Service Plans v1.3

Maximum Loadings of the HS Network v1.2

Archives of High Speed Rail Articles

Archive of 9th September 2016 (following EU Referendum)

Towards a High Speed Network v13.7

Towards a High Speed Network – the Maps v1.1

HS1 Route and Service Plans v6.3

HS2 Route and Service Plans v8.8

HS2 Mk2 Route Loadings v1.1

HS3 Route and Service Plans v7.1

Version History v8.0

HS3 Mk2 Route Loadings v1.2
HS4 Route and Service Plans v9.3
HS5 Route and Service Plans v5.2
HS Eastern Routes and Service Plans (HS6 and HS10) v5.3
HS7 Route and Service Plans v6.5
HS Transpennine Routes and Service Plans (HS8 and HS9) v6.8
HS Transpennine Routes (HS8 and HS9) Mk2 Route Loadings v1.3
HS East Anglia and North Kent Routes and Service Plans (HS11 and HS12) v3.2
HS Scottish Routes and Service Plans (HS13 and HS14) v2.3
Cross-London Inter-Regional Connections v4.3
Estimated Journey Times for High Speed Services v1.11
Same-Speed Railways v3.5

Archive of 3rd September 2020 (following discovery of Sweet-Speeds, which will require all journey times to be recalculated - eventually).

Towards a High Speed Network v15.1
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Towards a High Speed Network – the Maps v2.1
HS1 Route and Service Plans v7.3
HS2 Route and Service Plans v10.1
HS2 Mk2/Mk3 Route Loadings v2.1
HS3 Route and Service Plans v9.1
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HS4 Route and Service Plans v11.0
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HS7 Route and Service Plans v8.0
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HS Transpennine Routes (HS8 and HS9) Mk2 Route Loadings v2.1
HS East Anglia and North Kent Routes and Service Plans (HS11 and HS12) v5.0
HS East Anglia and North Kent Routes (HS11 and HS12) Mk2 Route Loadings v1.0
HS Scottish Routes and Service Plans (HS13 and HS14) v4.1
HS Scottish Routes (HS13 and HS14) Mk2 Route Loadings v1.0
Cross-London Inter-Regional Connections v6.0
Estimated Journey Times for High Speed Services v3.0
HS2 and Classic Service Plans v1.3
Maximum Loadings of the HS Network v1.2
Same-Speed Railways v6.3
Line Capacity vs. Speed for High Speed Railways v2.6

Archive of 6th September 2021 (immediately before start of recalculation of all journey times to be recalculated).

Towards a High Speed Network v15.2
Towards a High Speed Network Appendix D v2.1
Towards a High Speed Network - the Maps v2.1
HS1 Route and Service Plans v7.2
HS2 Route and Service Plans v10.1
HS2 Mk2_Mk3 Route Loadings v2.1
HS3 Route and Service Plans v9.1
HS3 Mk2 Route Loadings v2.4
HS4 Route and Service Plans v11.0
HS4 Mk2 Route Loadings.v1.2
HS5 Route and Service Plans v7.0
HS6_10 Route and Service Plans v7.0
HS6_10 Route and Service Plans - AppG v1.1
HS7 Route and Service Plans v8.0
HS7 Mk2 Route Loadings v1.1
HS8_9 Route and Service Plans v8.0
HS8_9 Mk2 Route Loadings v2.1
HS11_12 Route and Service Plans v5.0
HS11_12 Mk2 Route Loadings v1.0
HS13_14 Route and Service Plans v4.1
HS13_14 Mk2 Route Loadings v1.0
Cross-London Inter-Regional Connections v6.0
Estimated Journey Times for High Speed Services v3.0
HS2 and Classic Service Plans v1.3
HS Maximum Loadings v1.2
Same Speed Railways v8.0
Line Capacity vs. Speed for Same Speed Railways v4.1
Line Capacity vs. Speed for Same Speed Railways - Volume 2 v1.0

Classic Routes' Post-High-Speed Service Plans

WCML Service Plans v1.0
MML Service Plans v1.0
GWML Service Plans v2.0
East-West Rail Service Plans v1.1

Articles on Metro Systems 1: London

Crossrail Service Plans v3.3
Crossrail 2 v1.2
Beyond Crossrail 2 v3.2
Overground into Crossrail v2.3
London Overground and Crossrails – the Maps v1.1
Thameslink v1.1

Articles on Metro Systems 2: Country

The Avon Metro v1.3

The Humber Metro v1.1

The Aberdeen Metro v2.0

The Oxford Metro v1.1

The Plymouth Metro v1.0

The South Devon Metro v1.0

The Swansea Metro v1.1

The South Wales Metro v1.1

The Edinburgh Metro v2.1

The Tayside Metro v1.0

Articles on Regional Metro Services by Region (rather than by Route)

RM Services to the West Country v2.1

RM Services to South Wales v1.3

Odds and Sods Articles

GIS Transport Maps v1.0

Abbreviations v1.5

Version History v8.0

Version History

V8.0 – 25.04.2022

Creates a new menu for technical articles on the Same Speed Model, and moves the following articles (versions unchanged) over to it:

Same Speed Railways v8.0.

Line Capacity vs. Speed for Same Speed Railways v4.2.

Line Capacity vs. Speed for Same Speed Railways Volume 2 v1.1.

V7.1 – 24.04.2022

Line Capacity vs. Speed for Same Speed Railways v4.2 ... adds Timetable Diagram showing overtaking.

Line Capacity vs. Speed for Same Speed Railways Volume 2 v1.1 ... adds converging switch behaviour.

V7.0 – 06.09.2021

Creates a new (third) Archive of High Speed Rail articles. Relevant versions archived.

V6.7 – 27.08.2021

Towards a High Speed Network v15.2 ... brings content up to date with latest Capacity vs. Speed stuff.

Line Capacity vs. Speed for Same Speed Railways v4.1 ... removes section on Change of Line Speed..

Line Capacity vs. Speed for Same Speed Railways Volume 2 v1.0 ... introduces more advanced topics.

V6.6 – 02.07.2021

Same-Speed Railways v8.0 ... Gives full treatment of varying line speed – with constant capacity.

Line Capacity vs. Speed for Same Speed Railways v4.0 ... as above, but with fewer examples.

V6.5 – 10.02.2021

Line Capacity vs. Speed for Same Speed Railways v3.3 ... Adds Conclusions section to round off nicely.

V6.4 – 26.01.2021

Same-Speed Railways v7.2 ... Improved precision in changes of line speed and of capacity spread-sheets.

Line Capacity vs. Speed for Same Speed Railways v3.2 ... Improved precision in changes of line speed.

V6.3 – 15.01.2021

Same-Speed Railways v7.1 ... handling changes of line speed for High and Medium Speed railways.

Line Capacity vs. Speed for Same Speed Railways v3.1 ... Handling changes of line speed.

V6.2 – 26.10.2020

Same-Speed Railways v7.0 ... Adds new sections on Timetabling Considerations and Sweet-Speeds

Line Capacity vs. Speed for Same Speed Railways v3.0 ... Change of name. Explains Sweet-Speeds

V6.1 – 03.09.2020

Creates a new (second) Archive of High Speed Rail articles. Relevant versions archived.

V6.0 – 02.07.2020

The domain is changed from croal.org to croal.uk. The only files affected are:

index.htm ... croal.org => croal.uk

Line Capacity vs. Speed for High Speed Railways v2.6 ... croal.org => croal.uk

V5.30 – 04.06.2020

Same-Speed Railways v6.3 ... gives the precise relationship between capacity slots and station stops..
Line Capacity vs. Speed for High Speed Railways v2.5 ... slight changes as consequence of above.

V5.29 – 28.05.2020

Same-Speed Railways v6.2 ... extends and refines ‘Optimum Mixture of Non-stop and Stopping trains’.
Line Capacity vs. Speed for High Speed Railways v2.4 ... slight changes as consequence of above.

V5.28 – 08.05.2020

Towards a High Speed Network v15.1 ... refers to ‘turnout limit speed’ rather than ‘line speed’.
Towards a High Speed Network Appendix D v2.1 ... tidies up a few minor errors.
Towards a High Speed Network – the Maps v2.1 ... adds new, improved Standard Colours diagram.
Estimated Journey Times for High Speed Services v3.0 ... adds all the new Appendix Q values

V5.27 – 29.04.2020

HS1 Route and Service Plans v7.3 ... adds new, improved Standard Colours diagram.
HS2 Route and Service Plans v10.1 ... adds new, improved Standard Colours diagram.
HS3 Route and Service Plans v9.1 ... adds new, improved Standard Colours diagram.
HS4 Route and Service Plans v11.0 ... adds new appendix Q.
HS5 Route and Service Plans v7.0 ... adds new appendix Q.
HS6/HS10 Routes and Service Plans v7.0 ... adds new appendix Q.
HS7 Route and Service Plans v8.0 ... adds new appendix Q.
HS8/HS9 Routes and Service Plans v8.0 ... adds new appendix Q.
HS11/HS12 Routes and Service Plans v5.0 ... adds new appendix Q.
HS13/HS14 Routes and Service Plans v4.1 ... adds new, improved Standard Colours diagram.

V5.26 – 24.04.2020

Towards a High Speed Network – Appendix D v2.0 ... adds the maps.
Same-Speed Railways v6.1 ... adds ‘Optimum Mixture of Non-stop and Stopping trains’.
Line Capacity vs. Speed for High Speed Railways v2.3 ... mentions Optimum Mixture and refers above.

V5.25 – 07.04.2020

Towards a High Speed Network v15.0 ... separates out (the full version of) Appendix D.
Towards a High Speed Network Appendix D v1.0 ... the newly separate, full version of Appendix D.
Same-Speed Railways v6.0 ... recasts the introduction to start from the Same Speed **model**.
Line Capacity vs. Speed for High Speed Railways v2.2 ... enhanced precision of certain statements.

V5.24 – 02.08.2019

[N.B. Appendix Q is to be added to every Route and Service Plans article. It gives equivalent service times for a line speed of 140mph, 225kph, illustrating a remark in the Line Capacity vs. Speed article.]
HS2 Route and Service Plans v10.0 ... adds new appendix Q.
HS3 Route and Service Plans v9.0 ... adds new appendix Q. Adds conjectural HS2 Scottish services.

HS3 Mk2 Route Loadings v2.4 ... amendments consequent on above.

HS13/HS14 Routes and Service Plans v4.0 ... adds new app. Q. Adds conjectural HS2 Scottish services.

V5.23 – 24.06.2019

Line Capacity vs. Speed for High Speed Railways v2.1 ... change of title, for the avoidance of confusion. Extra background on the differences from classic, mixed-traffic lines.

V5.22 – 20.06.2019

HS1 Route and Service Plans v7.2 ... updates extended network maps (reflecting HS2 changes).

HS2 Route and Service Plans v9.3 ... updates extended network maps (reflecting recent changes).

HS3 Route and Service Plans v8.8 ... updates extended network maps (reflecting HS2 changes).

HS4 Route and Service Plans v10.6 ... updates extended network maps (reflecting HS2 changes).

HS5 Route and Service Plans v6.2 ... updates extended network maps (reflecting HS2 changes).

HS6/HS10 Routes and Service Plans v6.3 ... updates extended network maps (reflecting HS2 changes).

HS8/HS9 Routes and Service Plans v7.4 ... updates extended network maps (reflecting HS2 changes).

HS11/HS12 Routes and Service Plans v4.2 ... updates extended network maps (reflecting HS2 changes).

HS13/HS14 Routes and Service Plans v3.3 ... updates extended network maps (reflecting HS2 changes).

V5.21 – 17.06.2019

Same-Speed Railways v5.6 ... adds a few items the better to correspond with the new edition of:

Line Capacity vs. Speed v2.0 ... adds new graph to elucidate capacity results; recast in headed sections..

V5.20 – 03.06.2019

HS3 Route and Service Plans v8.7 ... v8.6 unaccountably corrupt – most maps missing. V8.7 corrects.

HS4 Route and Service Plans v10.5 ... removes redundant appendix D; detailed corrections.

HS7 Route and Service Plans v7.2 ... adds new passing times to journey time estimates.

HS7 Mk2 Route Loadings v1.1 ... adds changes consequent on the above.

Same-Speed Railways v5.5 ... deals with Westerleigh and Brentry (Propinquant) Junctions.

Line Capacity vs. Speed v1.10 ... further thoughts on the effect of stations.

V5.19 – 25.12.2018

HS4 Route and Service Plans v10.4 ... adds new passing times to journey time estimates.

HS4 Mk2 Route Loadings v1.2 ... adds changes consequent on the above.

Same-Speed Railways v5.4 ... adds Adjacent Station times for HS4 and HS7 to appendix D.

Line Capacity vs. Speed v1.9 ... adds a couple of detailed refinements.

V5.18 – 02.11.2018

HS3 Route and Service Plans v8.6 ... adds a West Hampstead stop to HS Metro services at Mk2.

HS3 Mk2 Route Loadings v2.3 ... adds changes consequent on the above.

Same-Speed Railways v5.3 ... corrects a diagram and a few typos (minor but embarrassing!)

Line Capacity vs. Speed v1.8 ... adds a philosophical note on capacity slots.

V5.17 – 07.10.2018

HS2 Route and Service Plans v9.2 ... adds new services, and passing times to journey time estimates.
HS2 Mk2/Mk3 Route Loadings v2.1 ... adds changes consequent on the above.
Same-Speed Railways v5.2 ... reworks treatment of Adjacent Junctions and Propinquant Adjacent Jns
Line Capacity vs. Speed v1.7 ... minor amendments consequent on the above

V5.16 – 19.08.2018

Same-Speed Railways v5.1 ... adds new appendix F giving capacity effect of varying deceleration rate.
Line Capacity vs. Speed v1.6 ... minor amendments consequent on the above.

V5.15 – 13.08.2018

Same-Speed Railways v5.0 ... extensive reorganisation following multiple recent enhancements.
Line Capacity vs. Speed v1.5 ... minor corrections consequent on the above.

V5.14 – 15.01.2018

Towards a High Speed Network v14.3 ... updates comments on Capacity-Slot model.
Same-Speed Railways v4.6 ... places the Capacity-Slot model on a rigorous theoretical foundation.
Line Capacity vs. Speed v1.4 ... updates comments on Capacity-Slot model.

V5.13 – 12.01.2018

Towards a High Speed Network v14.2 ... summarises the plans, following abandonment of GC-gauge.
Towards a High Speed Network – the Maps v2.0 ... lots of new maps, consequent on the GC change.
HS8/HS9 Routes and Service Plans v7.3 ... extra journey time estimates for further services.
Same-Speed Railways v4.5 ... adds Capacity-Slot argument for intermediate stations.
Line Capacity vs. Speed v1.3 ... adds Capacity-Slot argument for intermediate stations.

V5.12 – 01.01.2018

HS3 Route and Service Plans v8.5 ... adds passing times to journey time estimates.
HS8/HS9 Routes and Service Plans v7.2 ... adds passing times to journey time estimates.
HS8/HS9 Routes Mk2 Route Loadings v2.1 ... corrects two loadings and a few typos.
Same-Speed Railways v4.4 ... further timings added to appendix D for propinquant junctions etc.

V5.11 – 07.12.2017

HS3 Route and Service Plans v8.4 ... adds new station Milton Keynes Parkway (i/chg with E-W Rail).
HS3 Mk2 Route Loadings v2.2 ... updated in line with HS3 Route and Service Plans article.
Same-Speed Railways v4.3 ... adds v. esoteric case of propinquant junction to journey time estimates.
East-West Rail Service Plans v1.1 ... adds new station Milton Keynes Parkway (i/chg with HS3).

V5.10 – 09.11.2017

HS13 and HS14 Routes and Service Plans v3.2 ... Mk2 distances between Stirling and Perth updated
Cross-London Inter-Regional Connections v6.0 ... documents the changes consequent on the GC change
Estimated Journey Times for High Speed Services v2.0 ... gathers together the post GC journey times
Same-Speed Railways v4.2 ... new appendix C on calculating journey times

V5.9 – 01.11.2017

HS13/HS14 Routes and Service Plans v3.0, released at V5.8, completed the update of Route and Service Plans articles consequent upon the abandonment of GC-standard loading gauge, and therefore was the first to contain the fully updated Complete HS Network route maps. The rest of the Route and Service Plans articles are thus reissued with these fully updated maps (and perhaps a few typos corrected). (HS13/HS14 has also been reissued, as an error was noticed on the network map.) Thus:

HS1 Route and Service Plans v7.1
HS2 Route and Service Plans v9.1
HS3 Route and Service Plans v8.2
HS4 Route and Service Plans v10.3
HS5 Route and Service Plans v6.1
HS6/HS10 Routes and Service Plans v6.2
HS7 Route and Service Plans v7.1
HS8/HS9 Routes and Service Plans v7.1
HS11/HS12 Routes and Service Plans v4.1
HS13/HS14 Routes and Service Plans v3.1

V5.8 – 31.10.2017

HS13/HS14 Routes and Service Plans v3.0 ... revised plans consequent upon abandonment of GC-gauge
HS13/HS14 Mk2 Route Loadings v1.0 ... new article. Gives a detailed elucidation of loadings.
The Aberdeen Metro v2.0 ... major enhancement to the network consequent on changes in the above
The Tayside Metro v1.0 ... new article, also consequent on the HS13/HS14 article

V5.7 – 08.09.2017

HS8/HS9 Routes and Service Plans v7.0 ... revised plans consequent upon abandonment of GC-gauge
HS8/HS9 Routes Mk2 Route Loadings v2.0 ... revised plans consequent upon abandonment of GC-gauge
HS11/HS12 Routes and Service Plans v4.0 ... revised plans consequent upon abandonment of GC-gauge
HS11/HS12 Routes Mk2 Route Loadings v1.0 ... new article. Gives a detailed elucidation of loadings.
Line Capacity vs. Speed v1.2 ... further thoughts on London terminals.

V5.6 – 10.08.2017

HS4 Route and Service Plans v10.2 ... extensive refinement of service plans esp. cross ref. other routes.
HS4 Mk2 Route Loadings v1.1 ... very minor corrections to service plans.
HS6/HS10 Routes and Service Plans v6.1 ... corrected two junctions' details and a couple of maps.
HS6/HS10 Routes and Service Plans Appendix G v1.1 ... just a few typos and a missing service.
HS7 Route and Service Plans v7.0 ... revised plans consequent upon abandonment of GC-gauge.
HS7 Mk2 Route Loadings v1.0 ... new article. Gives a detailed elucidation of the route loadings.
Line Capacity vs. Speed v1.1 ... refines the argument on stations where not all trains stop.

Version History v8.0

V5.5 – 22.02.2017

HS5 Route and Service Plans v6.0 ... revised plans consequent upon abandonment of GC-gauge.
HS6/HS10 Routes and Service Plans v6.0 ... revised plans consequent upon abandonment of GC-gauge
HS6/HS10 Routes and Service Plans Appendix G v1.0 ... new article, published separately (esotericism).

V5.4 – 06.02.2017

Line Capacity vs. Speed v1.0 ... new article. Explains the relationship for a general audience.

V5.3 – 27.12.2016

HS1 Route and Service Plans v7.0 ... revised plans consequent upon abandonment of GC-gauge.
HS2 Route and Service Plans v9.0 ... revised plans consequent upon abandonment of GC-gauge.
HS2 Mk2/Mk3 Route Loadings v2.0 ... revised plans consequent upon abandonment of GC-gauge.
HS3 Route and Service Plans v8.1 ... minor corrections on line speed, also discusses choice thereof.
HS4 Route and Service Plans v10.1 ... minor corrections on line speed, also discusses choice thereof.
Cross-London Inter-Regional Connections v5.1 ... further elucidation of Mk1A effects.
Same-Speed Railways v4.1 ... adds a new chart for maximum speed between adjacent stations.

V5.2 – 06.12.2016

HS3 Route and Service Plans v8.0 ... revised plans consequent upon abandonment of GC-gauge.
HS3 Mk2 Route Loadings v2.0 ... revised plans consequent upon abandonment of GC-gauge.
HS4 Route and Service Plans v10.0 ... revised plans consequent upon abandonment of GC-gauge.
HS4 Mk2 Route Loadings v1.0 ... new article. Gives a detailed elucidation of the route loadings.
Cross-London Inter-Regional Connections v5.0 ... minor corrections re. abandonment of GC-gauge.
Same-Speed Railways v4.0 ... recasts appendix B to deal with top speeds of 250/140/125/100mph also.
[Same-Speed Railways v3.5 preserved in High Speed Archive.]
RM Services to South Wales v1.3 ... takes account of revised HS4 plans.

V5.1 – 17.09.2016

Towards a High Speed Network v14.1 ... proposes abandonment of GC-gauge; discusses consequences.

V5.0 – 11.09.2016

Creates a new category of article – Archive of High Speed Rail articles. Relevant versions archived.

V4.21 – 01.08.2016

Towards a High Speed Network v14.0 ... starts taking account of consequences of Brexit.

V4.20 – 28.06.2016

Towards a High Speed Network v13.7 ... temporary HS3 GC-gauge terminus at Old Oak Common.
HS2 Route and Service Plans v8.8 ... temporary HS2 GC-gauge terminus at Old Oak Common.
Crossrail Service Plans v3.3 ... temporary HS2 GC-gauge terminus at Old Oak Common.

V4.19 – 30.04.2016

HS8/HS9 Routes and Service Plans v6.8 ... minor corrections to service plans and route loadings.
HS8/HS9 Mk2 Route Loadings v1.3 ... minor corrections to route loadings.

V4.18 – 26.04.2016

HS2 Route and Service Plans v8.7 ... minor corrections to maps and track diagrams.
HS2 Mk2 Route Loadings v1.1 ... minor corrections to track diagrams.
HS8/HS9 Routes and Service Plans v6.7 ... minor corrections to maps and route loadings.
HS8/HS9 Mk2 Route Loadings v1.2 ... minor corrections to route loadings.

V4.17 – 24.04.2016

Added meta-data “description” to all web index (*.htm) pages.
HS2 Route and Service Plans v8.6 ... route loading information offloaded to new article.
HS2 Mk2 Route Loadings v1.0 ... new article. Gives a detailed elucidation of the route loadings.
HS8/HS9 Routes and Service Plans v6.6 ... minor corrections to cross-platform connections.
HS8/HS9 Mk2 Route Loadings v1.1 ... minor corrections to cross-platform connections.

V4.16 – 17.04.2016

HS3 Route and Service Plans v7.1 ... corrects inconsistencies with transpennine services.
HS3 Mk2 Route Loadings v1.1 ... corrects inconsistencies with transpennine services.
HS8/HS9 Routes and Service Plans v6.5 ... Mk2 version, with 4-tracking to accommodate HS3 Mk2
HS8/HS9 Mk2 Route Loadings v1.0 ... new article. Gives a detailed elucidation of the route loadings.

V4.15 – 15.04.2016

HS3 Route and Service Plans v7.0 ... Mk2 version of route, with provision for 4-tracking..
HS3 Mk2 Route Loadings v1.0 ... new article. Gives a detailed elucidation of the route loadings.
Estimated Journey Times for High Speed Services v1.11 ... incorporates changes from above articles.

V4.14 – 28.03.2016

HS3 Route and Service Plans v6.7 ... refines time estimate for Derby.
Estimated Journey Times for High Speed Services v1.10 ... incorporates change from above article.

V4.13 – 27.03.2016

HS3 Route and Service Plans v6.6 ... amplifies HS2 Ltd.'s time estimates for Toton/Nottingham/Derby.
HS Eastern Routes and Service Plans (HS6 and HS10) v5.3 ... adds times for Norwich – Hull service.
HS7 Route and Service Plans v6.5 ... adds appendix with diagram of track layouts east of Birmingham.
HS8/HS9 Routes and Service Plans v6.4 ... adds interchanges at Nottingham.
Estimated Journey Times for High Speed Services v1.9 ... incorporates changes from above articles.
Same-Speed Railways v3.5 ... corrects 'Adjacent Junctions' section and tidies up some tables.

V4.12 – 25.03.2016

HS2 Route and Service Plans v8.5 ... HS2-CV sections moved from appendix to main text.
HS3 Route and Service Plans v6.5 ... adds precise station loop junctions.
HS4 Route and Service Plans v9.3 ... adds precise station loop junctions.
HS7 Route and Service Plans v6.4 ... add corrected maps (inc. Cleethorpes CC service).
HS13/HS14 Routes and Service Plans v2.3 ... corrects a couple of table headers.
Estimated Journey Times for High Speed Services v1.8 ... incorporates changes from above articles.

V4.11 – 20.03.2016

HS6/HS10 Routes and Service Plans v5.2 ... new GC-gauge Norwich – Hull service.
HS7 Route and Service Plans v6.3 ... Birmingham – Nottingham service becomes CC to Cleethorpes.
Estimated Journey Times for High Speed Services v1.7 ... incorporates changes from above articles.

V4.10 – 19.03.2016

HS1 Route and Service Plans v6.3 ... includes comparative timings throughout.
HS2 Route and Service Plans v8.4 ... includes comparative timings throughout.
HS3 Route and Service Plans v6.4 ... includes comparative timings throughout.
HS4 Route and Service Plans v9.2 ... includes comparative timings throughout.
HS5 Route and Service Plans v5.2 ... includes comparative timings throughout.
HS6/HS10 Routes and Service Plans v5.1 ... includes comparative timings throughout.
HS7 Route and Service Plans v6.2 ... includes comparative timings throughout.
HS8/HS9 Routes and Service Plans v6.3 ... includes comparative timings throughout.
HS11/HS12 Routes and Service Plans v3.2 ... includes comparative timings throughout.
HS13/HS14 Routes and Service Plans v2.2 ... includes comparative timings throughout.
Estimated Journey Times for High Speed Services v1.6 ... incorporates changes from above articles.

V4.9 – 17.03.2016

HS2 Route and Service Plans v8.3 ... completely reworks appendix B, describing the Coventry Variant.
Estimated Journey Times for High Speed Services v1.5 ... incorporates times for HS2-CV.

V4.8 – 15.03.2016

HS2 Route and Service Plans v8.2 ... includes CC service to Manchester via Stoke in journey times.
HS3 Route and Service Plans v6.3 ... corrects error in summary table.
Estimated Journey Times for High Speed Services v1.4 ... incorporates changes from above articles.

V4.7 – 13.03.2016

Towards a High Speed Network v13.6 ... states the time penalty imposed by the ‘Y’ config’n (eastern).
HS3 Route and Service Plans v6.2 ... adds a UHS London – Liverpool via Sheffield service.
HS5 Route and Service Plans v5.1 ... service plan corrections consequent on HS3’s new service.
HS8/HS9 Routes and Service Plans v6.2 ... service plan corrections consequent on HS3’s new service.
Estimated Journey Times for High Speed Services v1.3 ... incorporates changes from HS3 article.

V4.6 – 10.03.2016

HS1 Route and Service Plans v6.2 ... correction to text accompanying service times.
HS2 Route and Service Plans v8.1 ... adds service times for CC Scottish service.
HS8/HS9 Routes and Service Plans v6.1 ... adds calculation for 125mph central sections.
Estimated Journey Times for High Speed Services v1.2 ... incorporates changes from above articles.

V4.5 – 08.03.2016

HS1 Route and Service Plans v6.1 ... minor corrections to journey times section.
HS3 Route and Service Plans v6.1 ... minor corrections to journey times section.
HS4 Route and Service Plans v9.1 ... minor corrections to journey times section.
HS7 Route and Service Plans v6.1 ... minor corrections to journey times section.
HS11/HS12 Routes and Service Plans v3.1 ... adds estimated journey time to Yarmouth.
HS13/HS14 Routes and Service Plans v2.1 ... minor corrections to journey times section.
Estimated Journey Times for High Speed Services v1.1 ... incorporates changes from above articles.

V4.4 – 06.03.2016

Towards a High Speed Network v13.5 ... adds new ‘service times’ article to appendix A..
HS1 Route and Service Plans v6.0 ... adds estimated journey times for all HS services.
HS2 Route and Service Plans v8.0 ... adds estimated journey times for all HS, and some CC services.
HS3 Route and Service Plans v6.0 ... adds estimated journey times for all HS, and some CC services.
HS4 Route and Service Plans v9.0 ... adds estimated journey times for all HS, and some CC services.
HS5 Route and Service Plans v5.0 ... adds estimated journey times for all HS services (there are no CCs).
HS6/HS10 Routes and Service Plans v5.0 ... adds estimated journey times for all HS services.
HS7 Route and Service Plans v6.0 ... adds estimated journey times for all HS services (there are no CCs).
HS8/HS9 Routes and Service Plans v6.0 ... adds estimated journey times for all HS services.
HS11/HS12 Routes and Service Plans v3.0 ... adds estimated journey times for all HS services.
HS13/HS14 Routes and Service Plans v2.0 ... adds estimated journey times for all HS services (no CCs).
Estimated Journey Times for High Speed Services v1.0 ... new article.
Same-Speed Railways v3.4 ... adds a table and line chart of time penalty at double (adjacent) junctions.

V4.3 – 26.02.2016

HS2 Route and Service Plans v7.3 ... tidies up HS2-CV service plan and estimated journey times.
Same-Speed Railways v3.3 ... adds a table and line chart of basic and extended train separation distances.

V4.2 – 25.02.2016

Towards a High Speed Network v13.4 ... reference Same Speed Railways in elucidating simplifications.
HS2 Route and Service Plans v7.2 ... adds some estimated journey times.
Same-Speed Railways v3.2 ... corrects an error in the total time penalty for two stations < 18.5 km apart.
Abbreviations v1.5 ... and a few more.

V4.1 – 23.02.2016

HS2 Route and Service Plans v7.1 ... adds various track diagrams for HS2-CV.
HS3 Route and Service Plans v5.3 ... adds appendix on impact of HS2-CV.
HS7 Route and Service Plans v5.3 ... adds appendix on impact of HS2-CV.
Same-Speed Railways v3.1 ... gives a fully rigorous treatment of junction effects..
Abbreviations v1.4 ... adds a few new ones.

V4.0 – 19.02.2016

Adds a new section at the end giving version dates prior to building the website, and the present article.
Towards a High Speed Network v13.3 ... greater care in distinguishing between ‘section’ and ‘segment’.
HS2 Route and Service Plans v7.0 ... adds very important appendix B, describing the Coventry Variant.
Same-Speed Railways v3.0 ... adds very important appendix B, explaining real HS capacity values.

V3.14 – 01.02.2016

Towards a High Speed Network v13.2 ... considers extension of GC-gauge sections.
HS2 and Classic Service Plans v1.3 ... tightens the argument further.
Crossrail Service Plans v3.2 ... adds a key map.
Beyond Crossrail 2 v3.2 ... adds a key map.

V3.13 – 23.01.2016

Towards a High Speed Network v13.1 ... corrects two junction names.
HS2 Route and Service Plans v6.5 ... corrects two junction names.
HS2 and Classic Service Plans v1.2 ... corrects two junction names, also tightens the argument.
Maximum Loadings of the HS Network v1.2 ... corrects one junction name.

V3.12 – 01.01.2016

Towards a High Speed Network v13.0 ... recasts the ‘background’ section as an appendix.
HS1 Route and Service Plans v5.2 ... Old Oak Common track diagram updated.
HS2 Route and Service Plans v6.4 ... typos and minor errors; Old Oak Common track diagram updated.
HS3 Route and Service Plans v5.2 ... typos and minor errors; Darlington station track diagram updated.
HS4 Route and Service Plans v8.4 ... typos and minor errors; Old Oak Common track diagram updated.
HS5 Route and Service Plans v4.2 ... typos and minor errors.
HS Eastern Routes and Service Plans (HS6 and HS10) v4.2 ... typos and minor errors.
HS7 Route and Service Plans v5.2 ... typos and minor errors; new appendix B.
HS Transpennine Routes and Service Plans (HS8 and HS9) v5.1 ... typos and minor errors, and a map.
HS East Anglia and North Kent Routes and Service Plans (HS11 and HS12) ... v2.3 OOC diag. updated.

V3.11 – 28.11.2015

Towards a High Speed Network v12.4 ... adjustments for HS2 Ltd's latest plans.

V3.10 – 24.09.2015

The Edinburgh Metro v2.1 ... adds links to interesting web pages concerning the tunnel.

RM Services to South Wales v1.2 ... adds a reference to the South Wales Metro.

V3.9 – 22.09.2015

The Edinburgh Metro v2.0 ... integrates the tram route with extensions over former heavy-rail routes.

V3.8 – 20.09.2015

The Edinburgh Metro v1.0 ... new article.

The South Wales Metro v1.1 ... refinement of light rail service details..

Abbreviations v1.3 ... and a few more.

V3.7 – 15.09.2015

The South Wales Metro v1.0 ... new article.

The Swansea Metro v1.1 ... detailed service corrections and minor refinements to the maps.

V3.6 – 11.09.2015

The Swansea Metro v1.0 ... new article.

V3.5 – 09.09.2015

Adds a link to the East-West Rail article (which was published on 4th August, but without the link!!)

V3.4 – 05.09.2015

Towards a High Speed Network v12.3 ... changed junction names and corrections to implementation plan

Thameslink v1.1 ... removal of some stations wrongly included; refinement of timings

RM Services to the West Country v2.1 ... replace duplicate map by correct one (Newquay)

RM Services to South Wales v1.1 ... extra service to South Wales from Aberystwyth

V3.3 – 31.08.2015

Thameslink v1.0 ... new article.

V3.2 – 16.08.2015

RM Services to the West Country v2.0 ... greatly extended with maps of all services in and to the WestC.

RM Services to South Wales v1.0 ... new article.

V3.1 – 09.08.2015

The Plymouth Metro v1.0 ... new article.

The South Devon Metro v1.0 ... new article.

RM Services to the West Country v1.1 ... takes account of the above two articles.

V3.0 – 04.08.2015

Creates a new category of article – Regional Metro Services to <a particular region>

Splits the Metro category in two – London and Country.

East-West Rail Service Plans v1.0 ... new article.

RM Services to the West Country v1.0 ... new article.

GWML Service Plans v2.0 ... extensively rewritten to include (inter alia) East-West Rail services.

Cross-London Inter-Regional Connections v4.3 ... enhanced layout at Old Oak Common.

The Oxford Metro v1.1 ... extended to include East-West Rail services.

V2.16 – 12.07.2015

The Oxford Metro v1.0 ... new article.

GWML Service Plans v1.2 ... appendix G removed (a preliminary description of the Oxford Metro).

V2.15 – 09.07.2015

The Aberdeen Metro v1.0 ... new article.

V2.14 – 06.07.2015

Crossrail 2 v1.2 ... corrects a name error in the service plan.

Beyond Crossrail 2 v3.1 ... includes an omitted station in the service plan.

Overground into Crossrail v2.3 ... section of line missing from one of the maps (not up to date).

The Avon Metro v1.3 ... correction to appendix A.

The Humber Metro v1.1 ... track diagrams tidied up in appendix A.

Abbreviations v1.2 ... and a few more.

V2.13 – 02.07.2015

The Humber Metro v1.0 ... new article.

Abbreviations v1.1 ... adds a few new ones.

V2.12 – 28.06.2015

Maximum Loadings of the HS Network v1.1 ... further thoughts on possible widenings.

GWML Service Plans v1.1 ... adds new appendix H, containing map of LHR Shuttle routes.

V2.11 – 26.06.2015

The Avon Metro v1.2 ... adds speculative timings for long-closed branches.

V2.10 – 25.06.2015

The Avon Metro v1.1 ... adds full service plans and timetable, and appendix giving platform usage.

V2.9 – 21.06.2015

Crossrail 2 v1.1 ... minor corrections to service plan.

Overground into Crossrail v2.2 ... a few irritating typos.

London Overground and Crossrails – the Maps v1.1 ... Crossrail 2 maps were not up to date.

The Avon Metro v1.0 ... new article.

V2.8 – 19.06.2015

HS2 Route and Service Plans v6.3 ... renames two junctions.

Maximum Loadings of the HS Network v1.0 ... new article, of maps with max loadings highlighted.

V2.7 – 16.06.2015

HS2 and Classic Service Plans v1.1 ... includes service plan for corrected HS2.

Towards a High Speed Network v12.2 ... adds significant new content relating to the above article.

V2.6 – 15.06.2015

HS2 and Classic Service Plans v1.0 ... new article, analysing HS2 Ltd's published plans.

Towards a High Speed Network v12.1 ... includes a cross-reference to the above.

V2.5 – 13.06.2015

Same-Speed Railways v2.2 ... detailed refinements and correction of a cross reference.

V2.4 – 08.06.2015

HS3 Route and Service Plans v5.1 ... a few typos and correction of a cross-reference.

HS5 Route and Service Plans v4.1 ... cross-platform interchange at Pancras Cross.

HS East Anglia and North Kent Routes and Service Plans (HS11 and HS12) v2.2 ... Faversham reversal.

V2.3 – 07.06.2015

Towards a High Speed Network v12.0 ... adds an executive summary, by popular request.

HS Eastern Routes and Service Plans (HS6 and HS10) v4.1 ... minor corrections to SP2.

Cross-London Inter-Regional Connections v4.2 ... minor refinements.

V2.2 – 05.06.2015

Towards a High Speed Network v11.4 ... more on the Sheffield central HS station.

HS2 Route and Service Plans v6.2 ... include Calvert in SPs; extra interchanges at Birmingham HS.

HS7 Route and Service Plans v5.1 ... extra interchanges at Birmingham HS.

V2.1 – 03.06.2015

HS Scottish Routes and Service Plans (HS13 and HS14) v1.4 ... corrected route loadings

V2.0 – 31.05.2015

Creates a new category of article – Odds and Sods – which don't (yet) fit anywhere else, containing:
GIS Transport Maps v1.0 ... new article.

V1.4 – 29.05.2015

Towards a High Speed Network v11.3 ... typos and minor clarifications.

Towards a High Speed Network – the Maps v1.1 ... minor clarifications and page number errors.

V1.3 – 19.05.2015

HS1 Route and Service Plans v5.1 ... corrected track layout for Old Oak Common Ground Level.

HS2 Route and Service Plans v6.1 ... ditto.

HS4 Route and Service Plans v8.3 ... ditto.

HS East Anglia and North Kent Routes and Service Plans (HS11 and HS12) v2.1 ... ditto.

Cross-London Inter-Regional Connections v4.1 ... ditto.

V1.2 – 18.05.2015

Towards a High Speed Network v11.2 ... Swiss double-deckers, variable platforms, implementation order

HS4 Route and Service Plans v8.2 ... new Appendix F, track diagram Pye Corner Jn. – Bristol Parkway.

V1.1 – 17.05.2015

Crossrail 2 v1.0 ... new article.

Crossrail Service Plans v3.1 ... clarification of Paddington turnback.

HS4 Route and Service Plans v8.1 ... minor correction to service plan 1 and appendix D.

Original Contents of Website – V1.0 – 13.05.2015

Many of these articles were originally written some time before their publication on this website, and had gone through several versions. The original publication date of the website was 13.05.2015, and at that time the original contents were:

Articles on High Speed Rail

Towards a High Speed Network v11.1

Towards a High Speed Network – the Maps v1.0

HS1 Route and Service Plans v5.0

HS2 Route and Service Plans v6.0

HS3 Route and Service Plans v5.0

HS4 Route and Service Plans v8.0

HS5 Route and Service Plans v4.0

HS Eastern Routes and Service Plans (HS6 and HS10) v4.0

HS7 Route and Service Plans v5.0

HS Transpennine Routes and Service Plans (HS8 and HS9) v5.0

HS East Anglia and North Kent Routes and Service Plans (HS11 and HS12) v2.0

HS Scottish Routes and Service Plans (HS13 and HS14) v1.3

Cross-London Inter-Regional Connections v4.0

Same-Speed Railways v2.1

Classic Routes' Post-High-Speed Service Plans

WCML Service Plans v1.0

MML Service Plans v1.0

GWML Service Plans v1.0

Articles on Metro Systems

Crossrail Service Plans v3.0

Beyond Crossrail 2 v3.0

Overground into Crossrail v2.1

London Overground and Crossrail – the Maps v1.0

Abbreviations v1.0

Version History v1.0

Article Versions Prior to Website

I have all versions of all articles in an archive. The archive was set up on 16.09.2014, so this is the date borne by all versions of all articles then archived, all of which were thus published some time before that. At 16.09.2014 the latest versions (published earlier) were:

Towards a High Speed Network v10
HS1 Route and Service Plans v4
HS2 Route and Service Plans v5
HS3 Route and Service Plans v4
HS4 Route and Service Plans v8.0
HS5 Route and Service Plans v3
HS Eastern Routes and Service Plans (HS6 and HS10) v3
HS7 Route and Service Plans v4
HS Transpennine Routes and Service Plans (HS8 and HS9) v4
HS East Anglia and North Kent Routes and Service Plans (HS11 and HS12) v2.0
HS Scottish Routes and Service Plans (HS13 and HS14) v1.0
Cross-London Inter-Regional Connections v3
Same-Speed Railways v2
WCML Service Plans v1.0
MML Service Plans v1.0
GWML Service Plans v1.0
Crossrail Service Plans v3.0
Beyond Crossrail 2 v3.0
Overground into Crossrail v1
London Overground and Crossrail – the Maps v1.0

The contract with Andrews & Arnold for hosting the website commenced 31.01.2015. The website was built and tested over the following months, and the publication date, when it was made available to the general public, was 13.05.2015. From that time forward, the present, version history article has documented the publication date of each new version. Also from the website publication, version numbers have had a decimal point (from some time prior to this, in fact, but originally there were only v1, v2 and so on).

Between 16.09.2014 and 13.05.2015, publication dates are a little uncertain. The date of a file in the archive is the date at which that version was archived, which may be taken as not later than (it could be a day or two before) the date at which the following version was published. On this basis, best-estimate publication dates during this period were:

Towards a High Speed Network – the Maps v1.0	16.03.2015
HS3 Route and Service Plans v5.0	07.03.2015
HS5 Route and Service Plans v4.0	30.04.2015
HS Eastern Routes and Service Plans (HS6 and HS10) v4.0	30.04.2015
HS7 Route and Service Plans v5.0	30.04.2015
HS Transpennine Routes and Service Plans (HS8 and HS9) v5.0	16.10.2014
HS Scottish Routes and Service Plans (HS13 and HS14) v1.2	04.03.2015
HS Scottish Routes and Service Plans (HS13 and HS14) v1.3	20.03.2015
Cross-London Inter-Regional Connections v4.0	16.10.2014
Same-Speed Railways v2.1	30.04.2015
Overground into Crossrail v2.1	05.03.2015