

Route O: Merseyrail

Route Plans are generally published on an annual basis including the most up-to-date position at that point in time. In 2011 we will be publishing information on a route basis as part of our Initial Industry Plan in the Autumn covering CP5 and beyond.

In the meantime we have retained the 2010 Route Plans, updated where appropriate with current information including our plans to the end of CP4. This document, therefore, should be read in conjunction with the equivalent 2010 Route Plan.

Should you require any further information, please contact the Route Plan 2011 mailbox at routeplans@networkrail.co.uk.

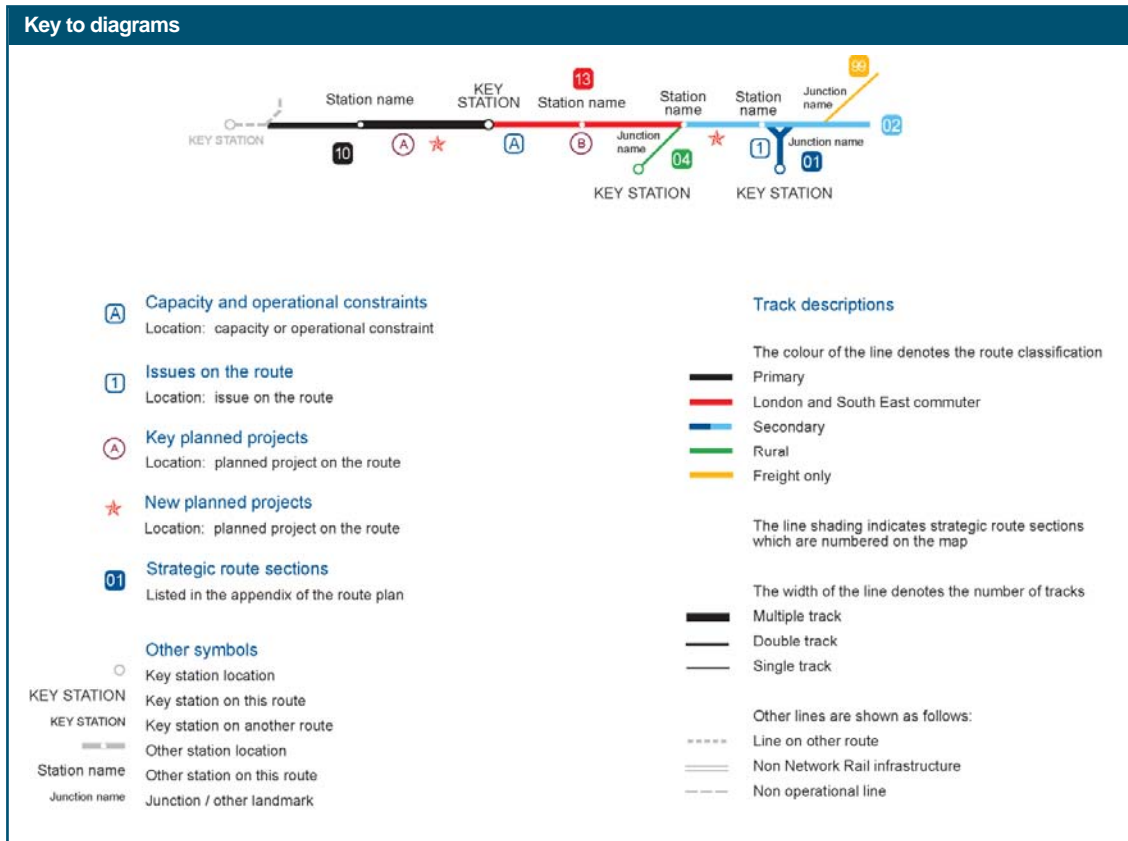
Summary of alterations			
Reference	Data	Location in Route Plan	Change
Page 3	Route Map	Page 3	Labels updated to match Appendix B.
Figure 8	Forecast end of year PPM	Page 10	<u>Merseyrail 95.0 %</u> <u>The above is based on 2010/2011 Period 11 data.</u>

Appendix A: Updated Route Map

Appendix B: Updated list of CP4 enhancements

Appendix C: Constraints and issues on the route

Appendix A: Updated Route Map



Appendix B: Infrastructure investment in CP4



Figure 14 Infrastructure Investment in CP4

Implementation date	Project	Project description	Output change	Funding	GRIP stage
2010/11	(A) Liverpool Central Concourse works	Concourse and Passenger Facilities improvements	Improved Facilities	Third Party	5 – 8
2012/13	(B) Liverpool Central Access for All	Additional lift to Northern Line platforms	Improved accessibility	DfT	1
2012/13	(C) Liverpool Central Renewals (Wirral Lines)	Replacement of ceilings, walls and flooring surfaces on Wirral line platform	Improved facilities	Network Rail	4
2010/11	(D) Liverpool Moorfields	M to Go facility and alterations to ticket barrier	Improved facilities, Improved accessibility	NSIP	5-8
2012/13	(E) Liverpool Central Renewals (Northern Line)	Replacement of ceilings, walls and flooring surfaces on Northern line platform	Improved facilities	Network Rail	4
2011/12	(F) Liverpool Lime Street Underground	Resurface platforms and renew tunnel linings	Improved facilities	Network Rail	4
2012/13	(G) Liverpool James Street	Resurface platforms and renew tunnel linings	Improved facilities	Network Rail	3
2014/16	(H) Hamilton Square Station	Resurface platforms and renew tunnel linings	Improved facilities	Network Rail	Scheme now CP5
2010 – 2012	New station at Maghull North	Project closed			
2013/14	Access for All at Wallasey Grove Road	Project developed to GRIP 3 – On hold	Improved access	Third party	3
2012/13	Access for All at Wallasey Village Station	Project developed to GRIP 3 – On hold	Improved access	Third party	3
2010/11	Access for All at St Michaels Station and facilities upgrade	Project developed to GRIP 3 – On hold	Improved facilities and improved accessibility	Third Party	3
2010/13	(M) Access for All at Hooton	Disabled access improvements	Improved access	Third party	Complete
2010/11	Access for All at Birkenhead North	Project developed to GRIP 3 – On hold	Improved access	Third party	3
2010 – 2014	(O) Upgrade of station facilities at Aigburth	Upgraded canopies	Improved facilities	Third Party/ Network Rail	2
2010/11	New waiting rooms at Brunswick	Scheme closed			

Figure 14 Infrastructure Investment in CP4					
Implementation date	Project	Project description	Output change	Funding	GRIP stage
2011/14	Q Station upgrade at New Brighton	Upgraded station building	Improved facilities	Third Party	Aspiration
2011/12	R Access for All at Waterloo	New lift	Improved accessibility	Third Party	5-8
2012/13	S Bebington car park extension	Improvements to car parking at Bebington.	Improved car parking facilities	Third party	On Hold
2010/11	T Hall Road new car park	Improvements to car parking at Hall Road	Improved car parking facilities	Third party	On Hold
2010/11	Access for All at Formby	Project developed to GRIP 3 – On hold	Improved accessibility	Third Party	3
2013/14	V Signalling Renewals	Merseyrail IECC Signalling Renewals	Signalling Renewals	Network Rail	0
2010 – 2011	W E&P Renewals	Merseyrail tunnel lighting renewal	E&P Renewals	Network Rail	3
2010 – 2012	X E&P Renewals	Renewal of 11kV feeder cable renewal and vacuum switchgear renewals	E&P Renewals	Network Rail	3
2011 – 2012	Y Telecoms systems renewals	Long line PA system renewals on the Northern Line and City lines	Telecoms Renewals	Network Rail	3
2011 – 2012	Z CCTV equipment renewal at Level Crossings	Renewal of CCTV equipment at 10 Level Crossings on the Southport line at Waterloo, Brook Hall Road, Eccles, Freshfield, Ainsdale, Birkdale, Aughton Road, Duke Street and Portland Street. One level crossing on the Ormskirk line at Maghull.	Telecoms Renewals	Network Rail	1
2013 – 2014	AA Merseyrail sub-surface PA renewals	Renewals to PA system that links to fire alarm evacuation announcements	Telecoms Renewals	Network Rail	1
2013 – 2014	AB Merseyrail sub-surface PA renewals	Renewals to PA system that links to fire alarm evacuation announcements	Telecoms Renewals	Network Rail	1
2010 – 2014	AC Track Renewals Programme	Major S&C renewals planned at: several key junctions.	Track Renewals	Network Rail	3
2011	AD NSIP - various stations	National Station Improvement Programme (NSIP), Tranche 2 proposals include: Liverpool Central, Moorfields, Kirkby, Lime Street, Maghull, Waterloo	Improved station facilities, increased passenger numbers	Third party	Various Waterloo complete
2012 – 2013	★ Hooton re-control	Abolition of signal box and re-control at Chester	Signalling renewal	Network Rail	4

Candidate NRDF schemes in CP4

Figure 15 Candidate NRDF schemes in CP4

Implementation date	Project	Project description	Output change	Funding	GRIP stage
2011 - 2012	 Merseyrail LSI	Line speed improvements between Hooton and Chester	Improved passenger journey time, increased passenger numbers	Network Rail Performance Fund	4
2013 – 2014	 Liverpool Central Capacity	De-cluttering of Northern Line platforms	Improved passenger capacity	Network Rail Discretionary Fund	2

GRIP stages: 1 Output definition, 2 Pre-feasibility, 3 Option selection, 4 Single option selection, 5 Detailed design, 6 Construction, test and commission, 7 Scheme hand back, 8 Project close out

Appendix C Constraints and issues on the route

Capacity and operational constraints

- A Sandhills – Walton: flat junction
- B Liverpool Central: platform capacity
- C Hunts Cross West Junction: crossing moves
- D Bidston East Junction – flat junction
- E Limited platform access/egress at Liverpool Central, James St & Moorfields stations
- F Walton Junction – flat junction
- G Chester station – only one dc electrified platform

Other issues on the route

- 1 Birkenhead Docks branch: access for freight
- 2 Tight curvature in tunnel causing significant track deterioration
- 3 DC power supply issues for any new rolling stock
- 4 Limited maintenance & stabling facilities for both additional and new rolling stock