

National Assembly for Wales

Enterprise, Innovation & Networks Committee

18th October 2006

***Network Rail: Performance,
Investment and Enhancement for Wales***

Information Pack



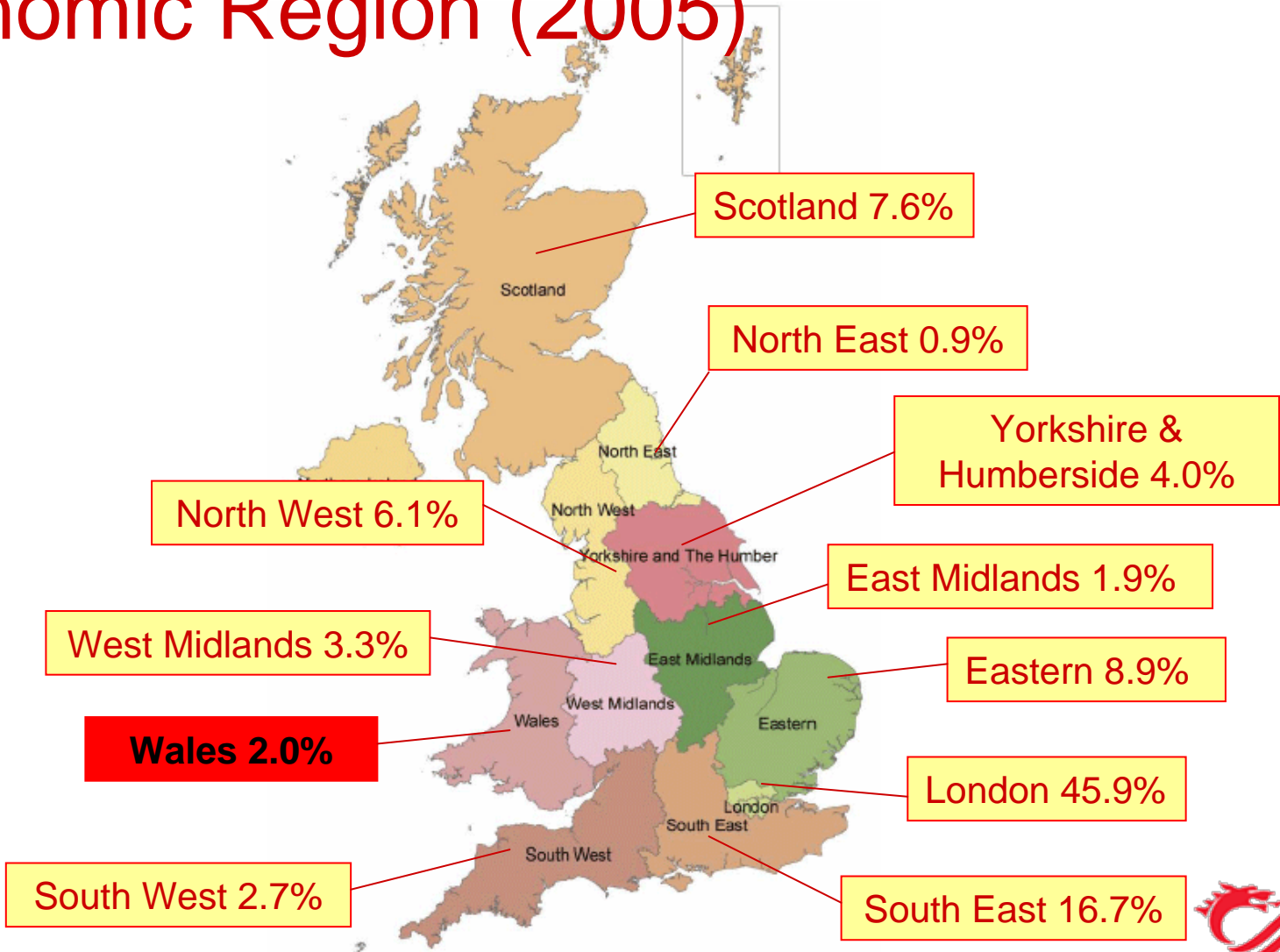
Contents

- The Rail Network In Wales: Facts & Figures
- Network Performance
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Wales: Network Metrics

- Number of Stations 238
- Track Miles 1400
- Number of trains 910 ATW train services/day
93 FGW train services/day
28 Central Trains train services/day
10 Virgin West Coast train services/day
2 Virgin XC train services/day
- Volume of freight -15 million tonnes/year (15% UK freight)

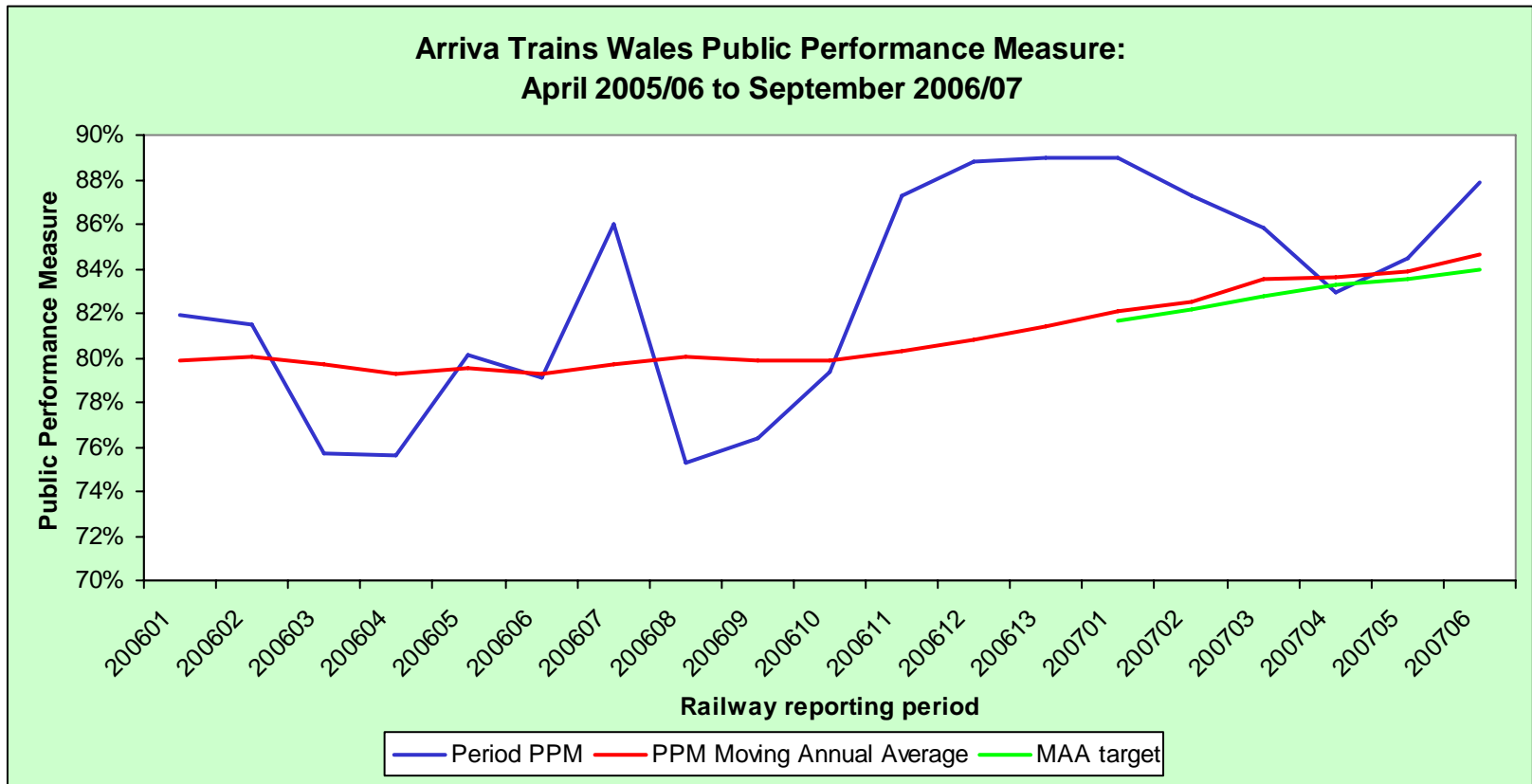
Proportion of National Rail Journeys By Economic Region (2005)



Wales: Network Performance

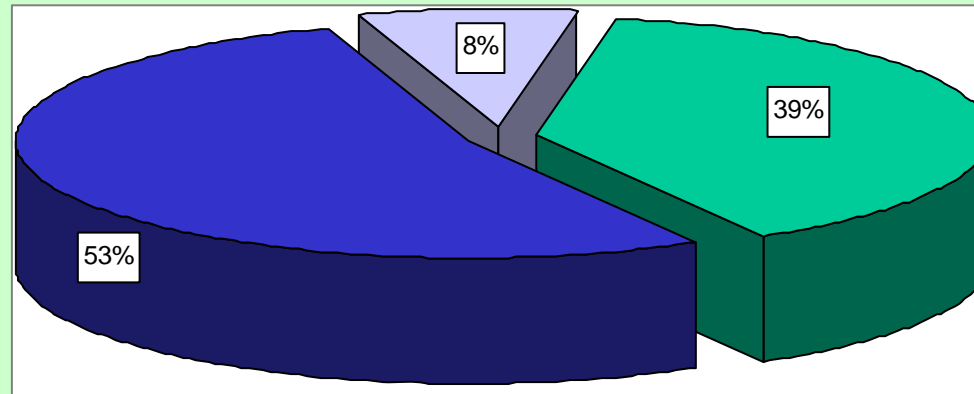


Wales: Network Performance



Wales: Network Performance

Delays to Arriva Trains Wales: April to September 2006/07 delay responsibility



■ Network Rail on ATW

■ Arriva Trains Wales on Self

■ Other TOCs on ATW

Wales: Network Investment Maintenance



Investment: Maintenance

	06/07	07/08	08/09
• South & Central Wales	£25M	£23M	£21M
• South Wales & Valleys	£6M	£5M	£5M
• North Wales & Borders	£14M	£13M	£12M
TOTAL MAINTENANCE SPEND	45M	£41M	£37M

Maintenance Spend for '06/'07 is +8% above Spend for '05/'06

Wales: Network Investment Renewals

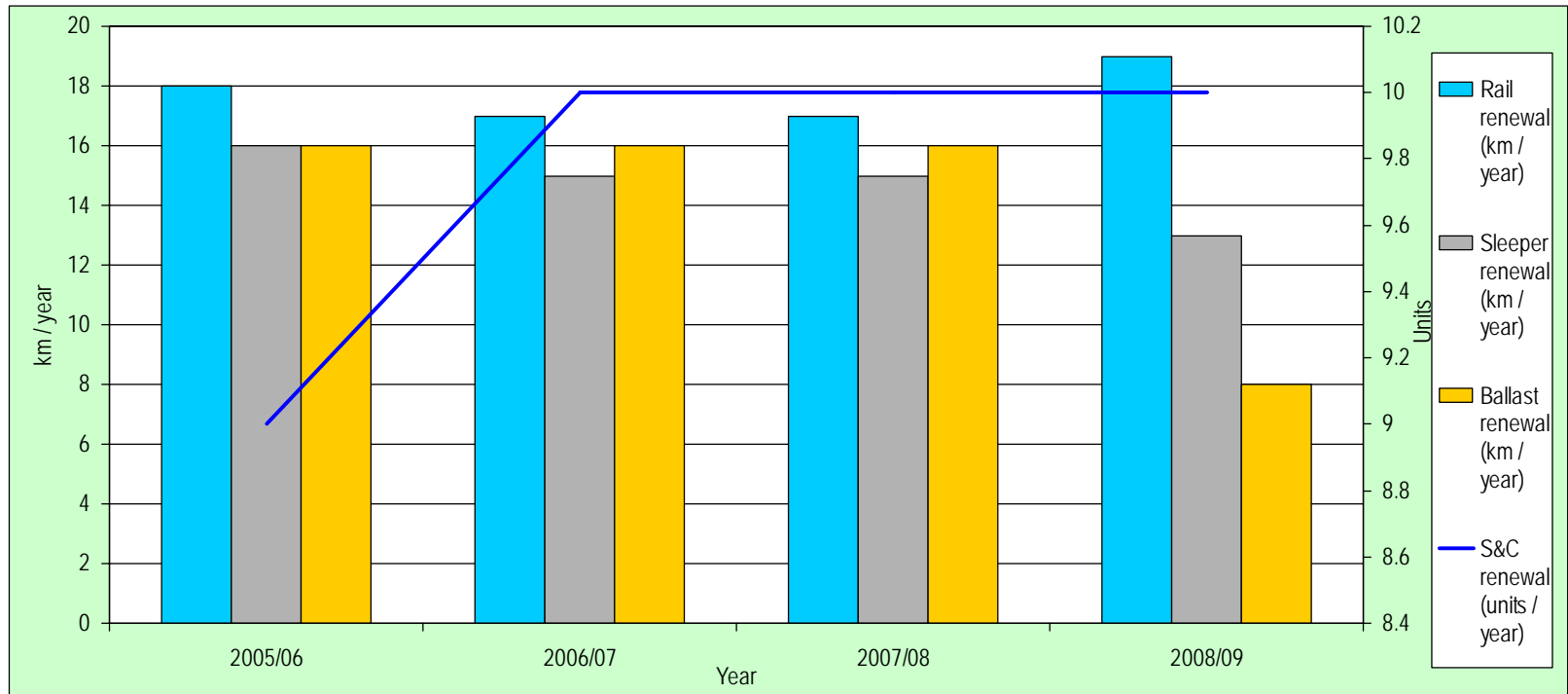


Investment: Renewals

	06/07	07/08	08/09
• South & Central Wales	£23M	£19M	£18M
• South Wales & Valleys	£13M	£14M	£26M
• North Wales & Borders	£24M	£38M	£7M
TOTAL RENEWALS SPEND	£60M	£71M	£51M

Renewals Spend for '06/'07 is +40% above Spend for '05/'06

Wales Network Investment: Renewals Volumes



Wales: Network Investment Enhancements



Investment: Enhancements

	06/07	07/08*	08/09*
• South & Central Wales	£10M	£26M	£70M
• South Wales & Valleys	£10M	£13M	£25M
• North Wales & Borders	£1M	£1M	£22M

TOTAL ENHANCEMENTS SPEND £21M £40M £117M

¹ Enhancements Value for '06/'07 is a Forecast and includes £8.5M of NR funded Enhancements

² Enhancements Values for '06 – '09 exclude £450M NR funded South Wales Signalling Projects

**** Budget Estimates Apply to Enhancement Values for '07/'08 & '08/'09***

Wales Enhancements: Summary

N. Wales Station Enhancement Schemes

Blaenau Ffestiniog Slate Waste Scheme

Wrexham - Chester Capacity Enhancement

Cambrian ERMS

Shrewsbury DDA Enhancement

Aberdyfi DDA Enhancement

Shrewsbury - Platform 3 Signalling

Cambrian 1 Train /Hour

GCG Freight Re-opening

Port Talbot DDA Enhancement

Abergavenny DDA Enhancement

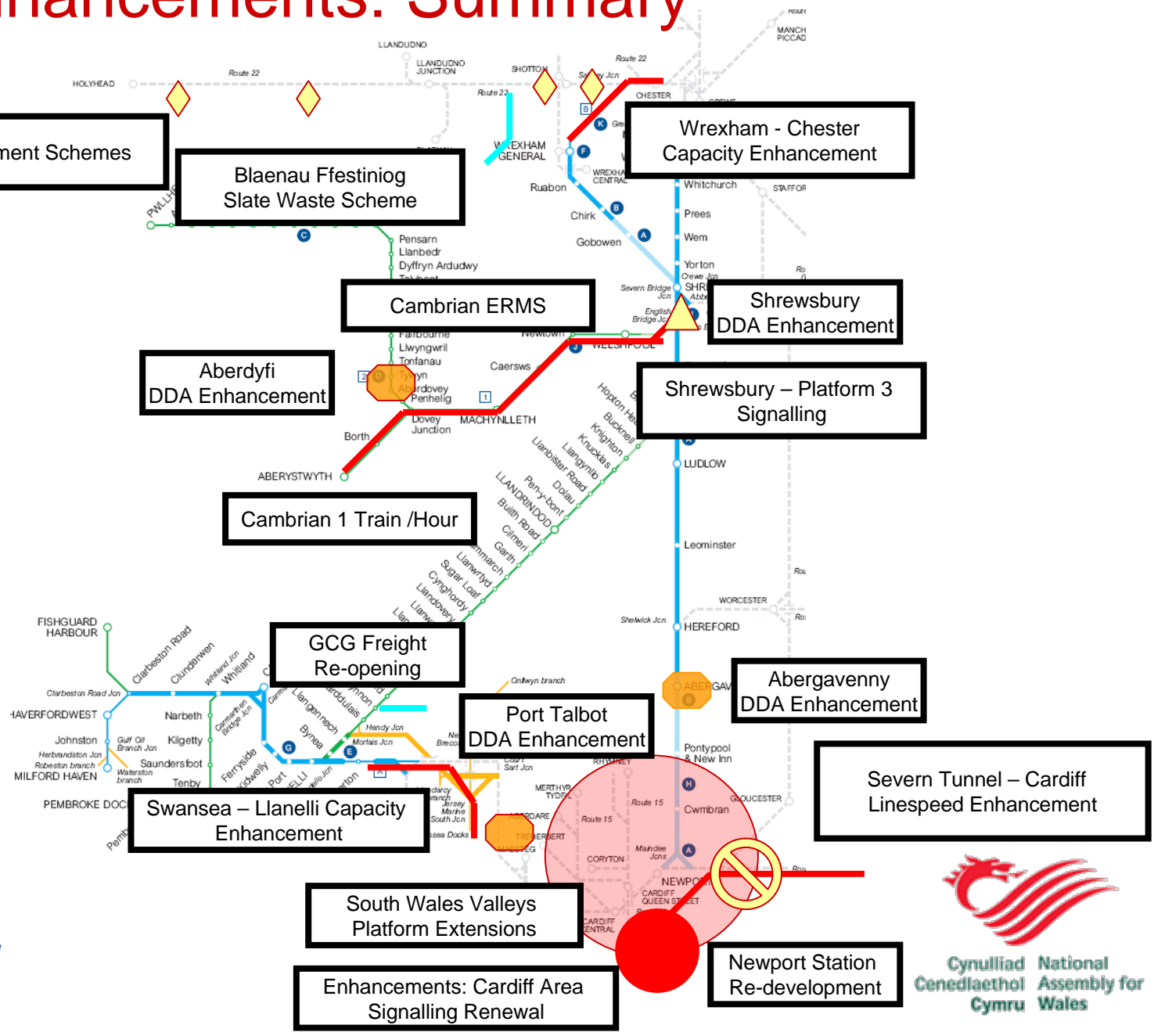
Severn Tunnel - Cardiff Linespeed Enhancement

Swansea - Llanelli Capacity Enhancement

South Wales Valleys Platform Extensions

Enhancements: Cardiff Area Signalling Renewal

Newport Station Re-development



Wales Enhancements Portfolio

Project	Status	Cost	Completion	Funder
Newport Station Platform 4	Delivery	£4M	June 07	NR
Valley Lines Platform Extensions	Design	£14M	March '08	WAG/WEFO
Newport Station Development	Development	£14M	'08/'07	NR/WAG
Pontypridd – Merthyr Frequency Enhancement	Design	£20M	Feb. '08	WAG/WEFO
Llanharan New Station	Detailed Design	£4M	May '07	WAG/WEFO
Gwaun Cae Gurwen Freight Branch	Delivery	£1.5M	Nov. '07	NR
Flint Station	Delivery	£1.1M	Nov. '06	Local Auth.
Cambrian ERTMS	Development	£60M	2010/2012	NR
Cambrian Hourly Service	Development	£10M	2009/2010	NR / WAG
South Wales Relief Lines Enhancement	Development	7M	'08/'09	NR



Wales Enhancements Portfolio

Project	Status	Cost	Completion	Funder
Swansea – Llanelli Capacity Enhancement	Feasibility	TBC	TBC	WAG
Wrexham – Chester Capacity Enhancement	Feasibility	TBC	TBC	WAG
Blaenau Ffestiniog Slate Waste	Feasibility	TBC	TBC	NR/WAG
Bangor Transport Interchange	Delivery	£2.5M	2007	LA/WAG
Shrewsbury Platform 3 Signalling	Development	£5M	2008	NR
Maesteg Frequency Enhancements	Development	TBC	TBC	WAG
Access for All Schemes	Feasibility	£0.5	2007	WAG/DfT
Llandudno	Development	£5M	'07/'08	LA/WAG



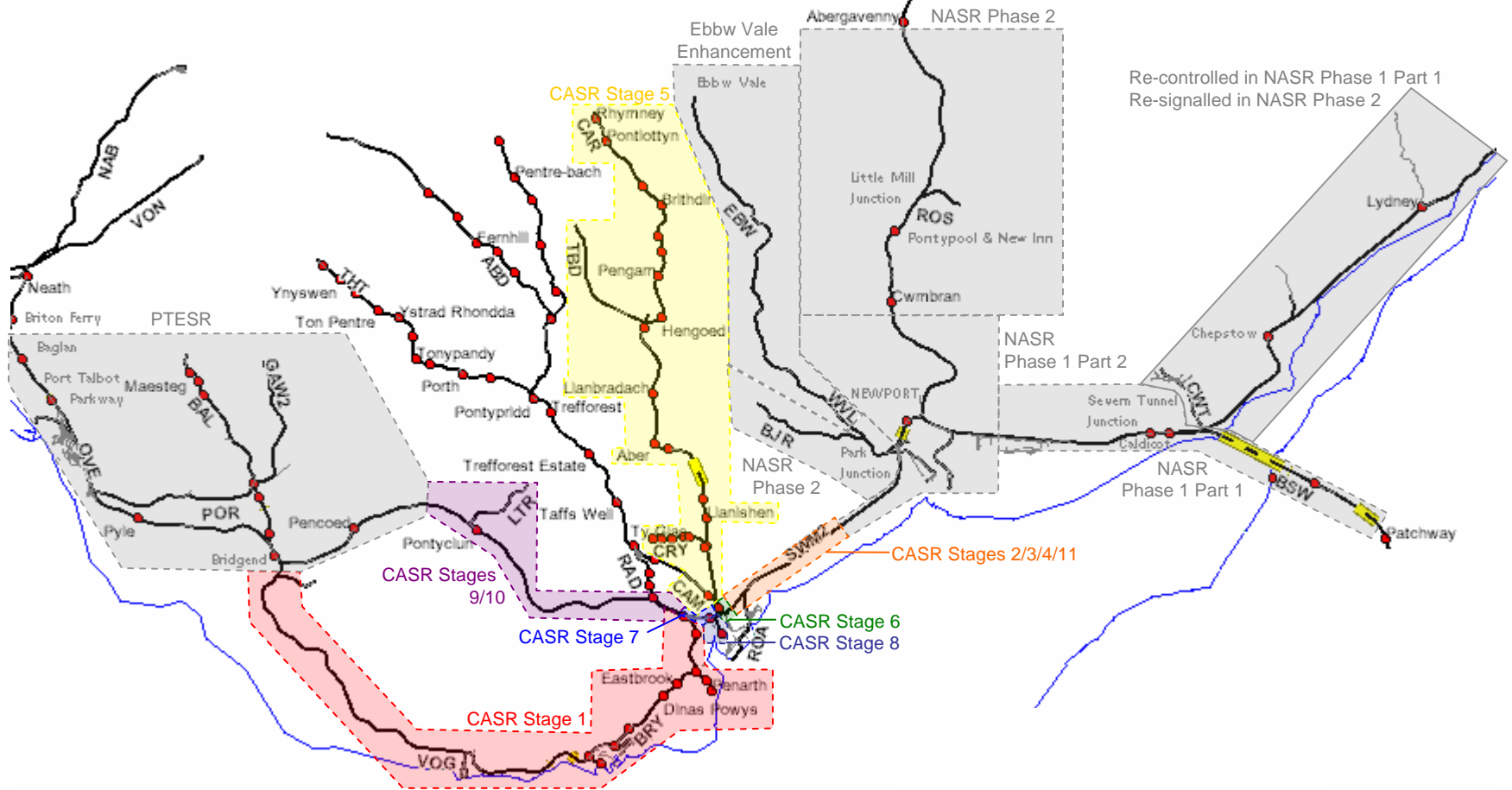
Working with WAG & Regional Transport Consortia

- Close Route Enhancement Team engagement with Transport Wales Rail Team
- NR/WAG Framework Services Agreement working well and delivering substantial benefits to WAG and NR
- Discussions with WAG for 'Framework Agreement' for future implementation schemes
- Close Route Enhancement Team engagement with Transport Consortia – SEWTA, SWWITCH, TRACC, TAITH
- Similar engagement with route partnerships e.g. Cambrian Railways Partnership; Shrewsbury-Chester Partnership
- 3 Commercial Scheme Sponsors dedicated to deliver Welsh Enhancement Schemes

South Wales Resignalling Renewal Programme

- Six year programme to renew and enhance signalling system from Severn Tunnel to Swansea
- Port Talbot Signalling Programme
- Newport Area Signalling Renewal Programme
- Cardiff Area Signalling Renewal Programme
- Cost £450M
- Funded entirely by Network Rail
- Delivers modern signalling system for next 40 years and allows for strategic Enhancements around Cardiff, Newport and Swansea

South Wales Resignalling Renewal Programme



Cardiff Area Signalling Renewal - Potential Enhancements

Cardiff Resignalling Scheme has the potential to deliver major capacity Enhancements in Cardiff:

- Cardiff Queen Street Four Platforms
- Cardiff Central Platform 8
- Trefforest Curve Doubling
- Cogan Junction Enhancement
- City Line Enhancement
- Barry Station Capacity Enhancement

Associated Line of Route Enhancements

- **Reading Station - NR**
 - NR working with DfT, Reading BC & South East Regional Assembly to identify funding options for £180M scheme
- **Paddington Span 4 - NR**
 - Refurbishment rather than replacement
 - 12 x HST2 + 2 x 200m platforms
 - Complete by 2010 before earliest prospective Crossrail work
- **Bristol Parkway 3rd Platform - NRDF**
 - Enhanced flexibility and performance including South Wales Main Line
 - Completion April 2007 for June 2007 timetable
- **Swindon-Kemble Re-doubling - NRDF**
 - Enhanced Severn Tunnel diversionary capability
 - improved Gloucester route passenger service performance

‘Western Accelerated Recovery’

- 84 funded performance improvement schemes in partnership with ATW and FGW – 23 in Wales
- 27 complete - 46 on target for delivery – 11 in development
- Welsh examples
 - Enhanced switches and point locks – Severn Tunnel Jnc/Cardiff (£395k)
 - Cogan Jn to Cardiff ‘Golden Route’ – enhanced condition of track circuits, points & relays to support enhanced Valley Lines 12/2005 timetable (£207k)
 - Penarth track renewals inc. removal TSR 20 → 50mph (£350k)
 - Pontypridd Engineer’s Siding → Thunderbird/Cripple capability (75k)
 - Newport – capability for freight run rounds without crossing SWML (£350k)
 - 3 line speed enhancements Cambrian – PPM improving 50% → c. 70% (£150k)
- WAR Room benchmarking scheme performance outputs
- Received “Achievement Through Teamwork” award at Railway Innovation Awards 2006