

**WEST OF ENGLAND**

Combined Authority

# Joint Local Transport Plan MetroWest & Rail

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Bristol Civic Society

24 April 2018

The West of England Combined Authority (WECA) covers Bath & North East Somerset, Bristol and South Gloucestershire. WECA also supports the Local Enterprise Partnership and Joint Committee, which includes North Somerset.

# Key transport challenges

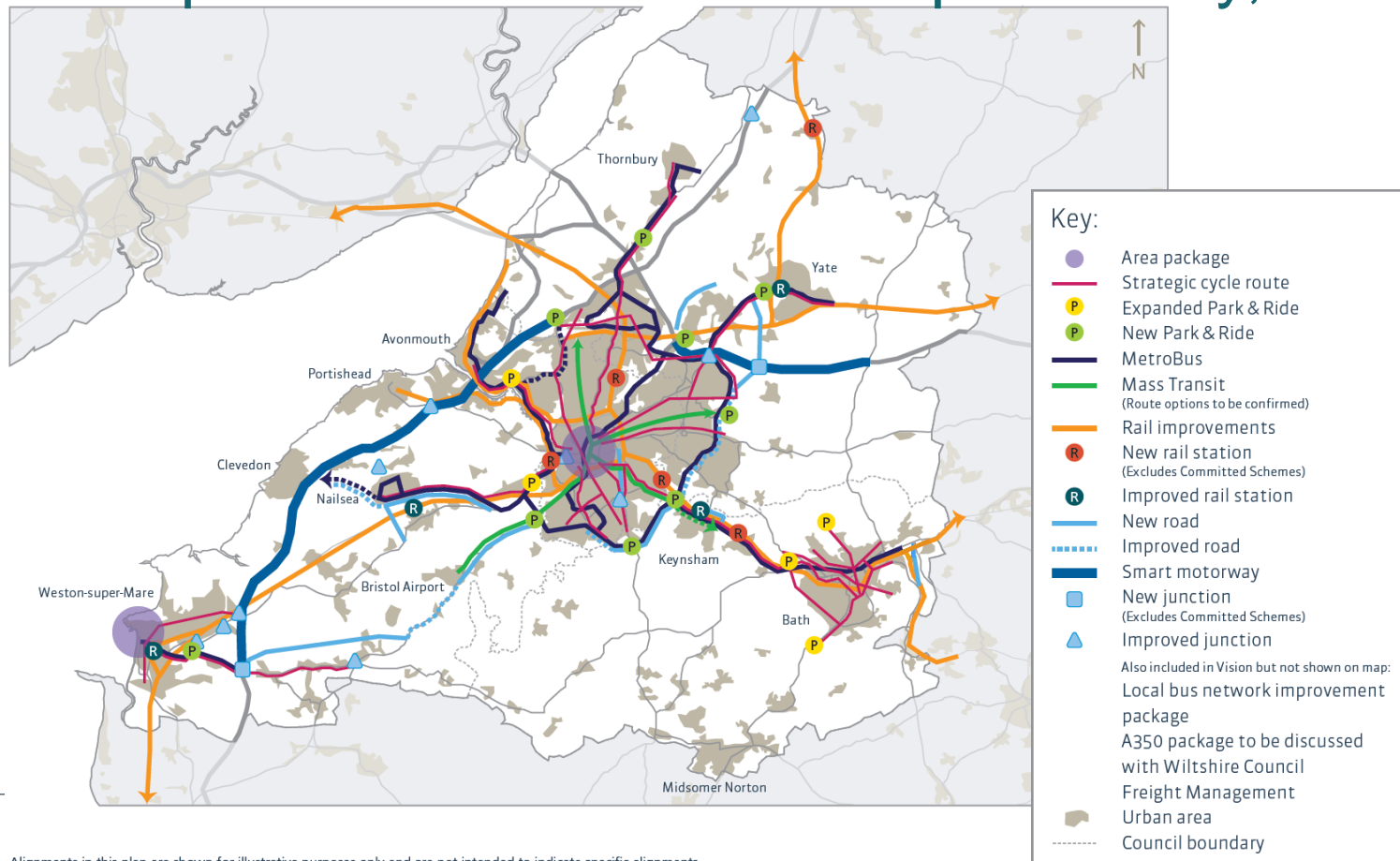
NOW	2026	2036
Congestion costs <b>£300m</b>	Congestion costs <b>£500m</b>	Congestion costs <b>£800m</b>
Peak time average speed <b>22.4 mph</b> (23.7mph nationally)	Delays up <b>17%</b>	Delays up <b>40%</b>
<b>300</b> deaths per year in Bristol attributable to poor air quality (1 death per 1,500 population, compared with 1 death per 2,200 nationally)		Vehicle trips up <b>26%</b>
<b>29%</b> of CO2 emissions are from transport (24% nationally)		Time spent queuing up <b>74%</b>
<b>64%</b> travel to work by car (highest of all core city regions)		Journey time up <b>9%</b>
<b>8.8%</b> of journeys by public transport (lowest of all core city regions)		CO2 emissions up <b>22%</b>
	<b>By 2036:</b>	
	<b>105,500 new homes</b>	
	<b>82,500 jobs</b>	

# New Joint Local Transport Plan (JLTP)

- Fourth generation JLTP
- Responsibility of the West of England Combined Authority
- Statutory document and covers the whole of the West of England region
- High level transport strategy outlining strategic policies, schemes and outcomes
- Informed by the Joint Transport Study
- Independent Strategic Environmental Assessment (SEA)

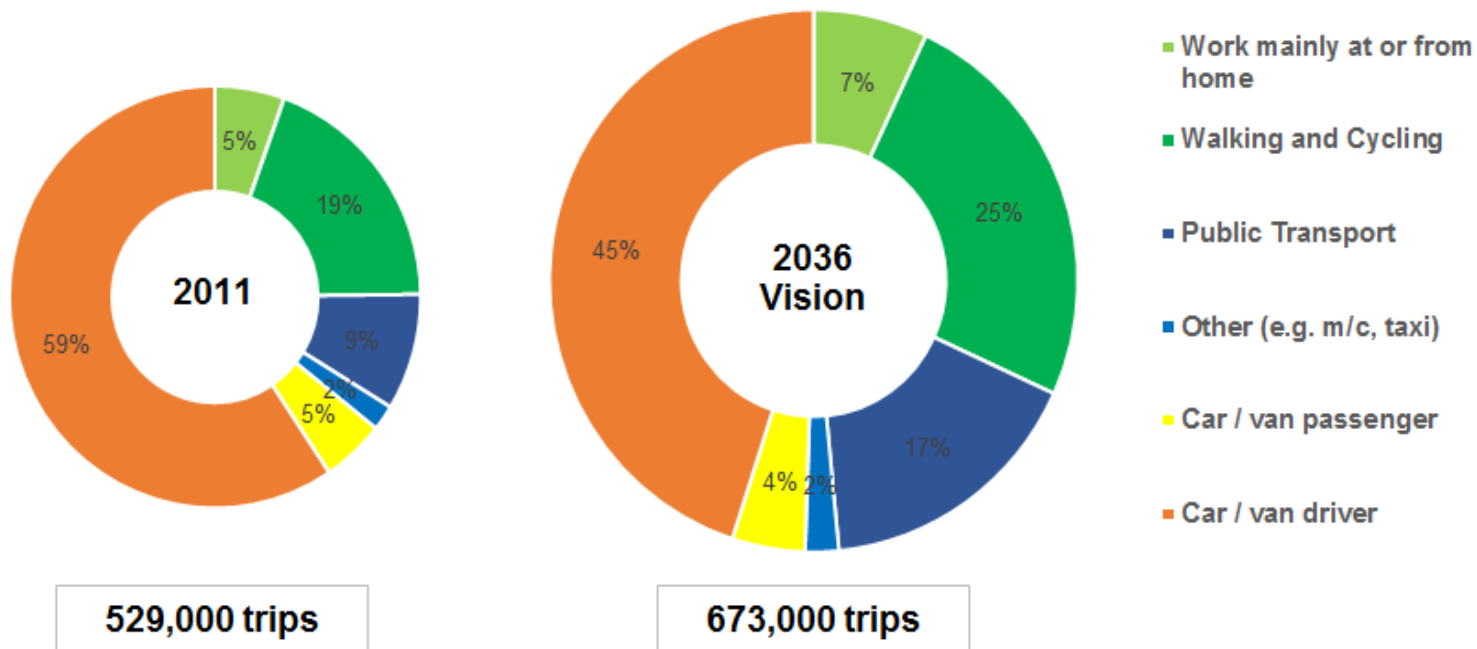


# Transport Vision – Joint Transport Study, Oct 2018



Alignments in this plan are shown for illustrative purposes only and are not intended to indicate specific alignments

# Outcomes: Forecast Mode Shift



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# Joint Local Transport Plan Objectives

## Objectives

- Support sustainable economic growth
- Promote equality and accessibility
- Improve air quality and respond to climate change
- Contribute to better health, wellbeing, safety and security
- Create better places

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# Key themes and Programme

## Key Themes

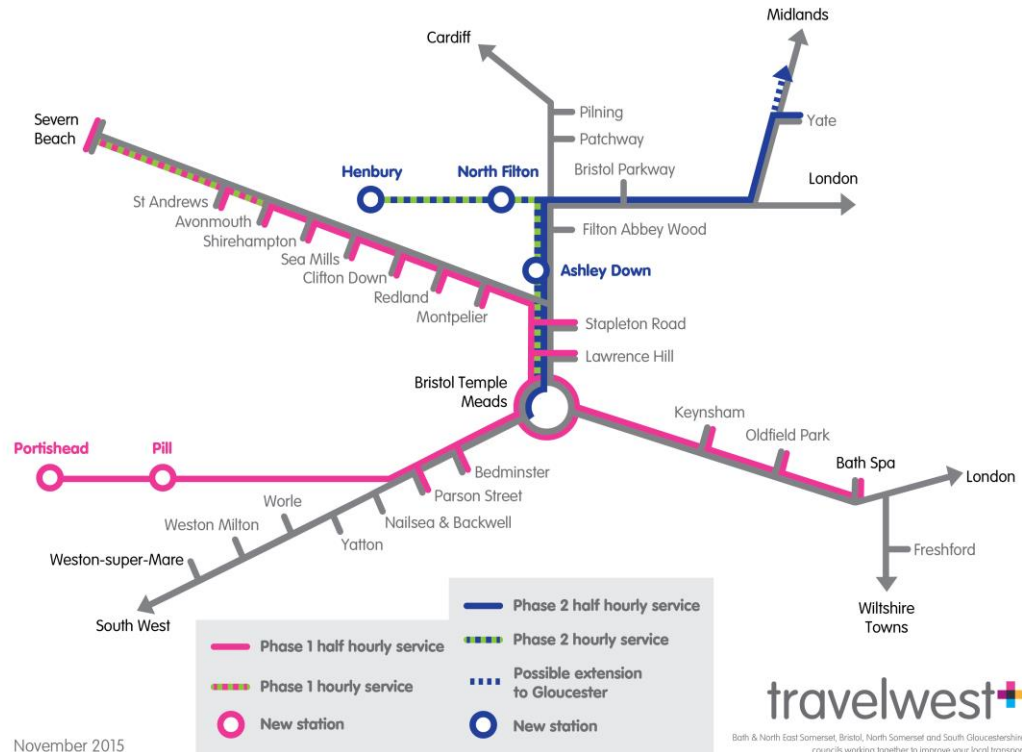
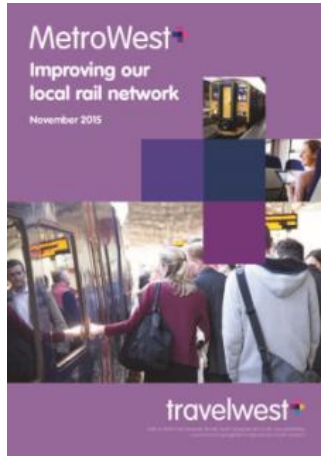
- Supporting sustainable economic growth and equal access for all
- Connectivity
- Creating better places
- Embrace technological advances and innovation
- Bus Strategy and Key Route Network

## Programme

- September 2018 – public consultation
- Early 2019 – endorsed Plan

# MetroWest

## Phase 1 and 2





## Phase 1



November 2015

# Revised scheme costs

- Network Rail GRIP 3 (Outline design) completed.
- Scheme cost now £145m to £175m for 2 trains per hour service.
- £58m funding available so scheme is currently unaffordable and unlikely to attract sufficient additional funding.

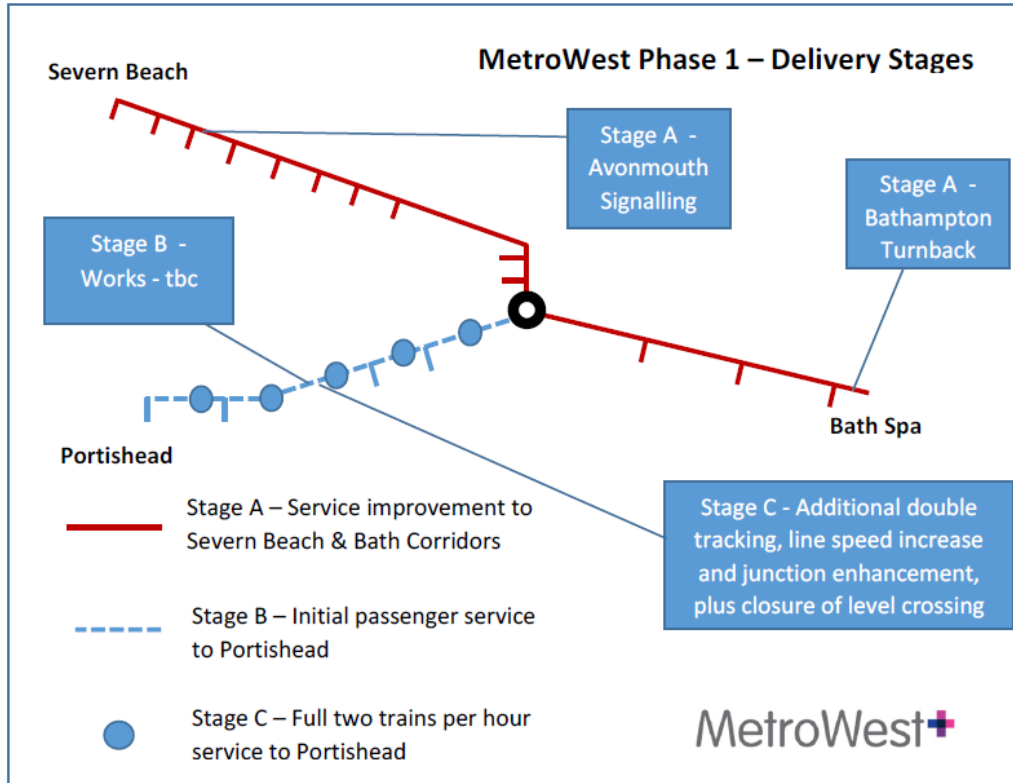


# Key drivers for cost increases

- Avon Gorge – increase in works needed to meet modern safety standards and increase line speeds for 2 trains per hour alongside freight trains.
- Ashton Vale level crossing – impact of 2 trains per hour on rail and highway safety, traffic impact and the need for an alternative access.
- Land required for construction and environmental mitigation to deliver the scheme.
- Increased risks arising from all of the above.

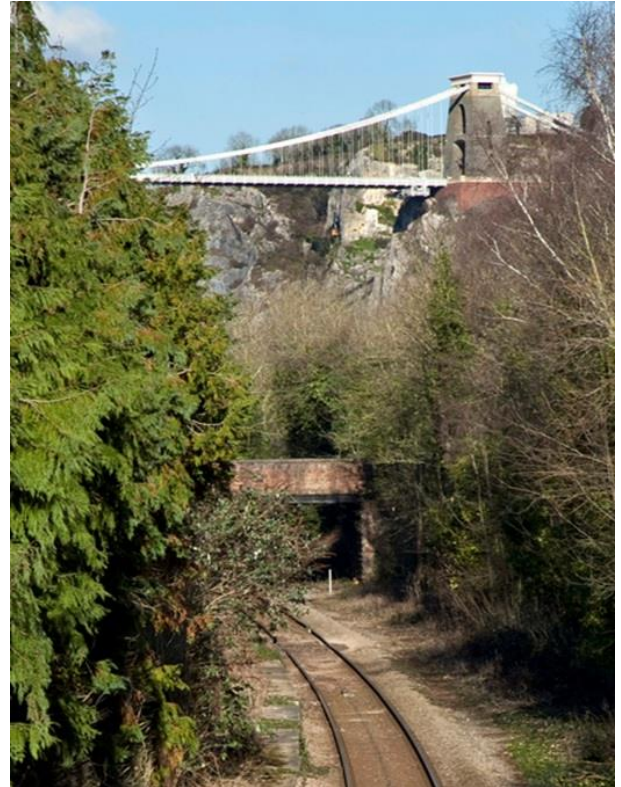


# Taking a staged approach



# Where are we now

- Revised scheme cost £116m.
- BCR of 3.48, 1m passengers a year.
- Extra £12m of local funding AND
- £46m bid to the Department for Transport's Large Local Major Transport Scheme fund.
- Decision expected Spring 2018.
- Development Consent Order July 2018.
- Stage 1A Severn Beach Line to Bath Spa opening 2020/21
- Stage 1B Portishead 2021/22
- Bristol East Junction remodelling





# Portishead now



MetroWest+

# Portishead in 2021/22



MetroWest+

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# Pill now



MetroWest+

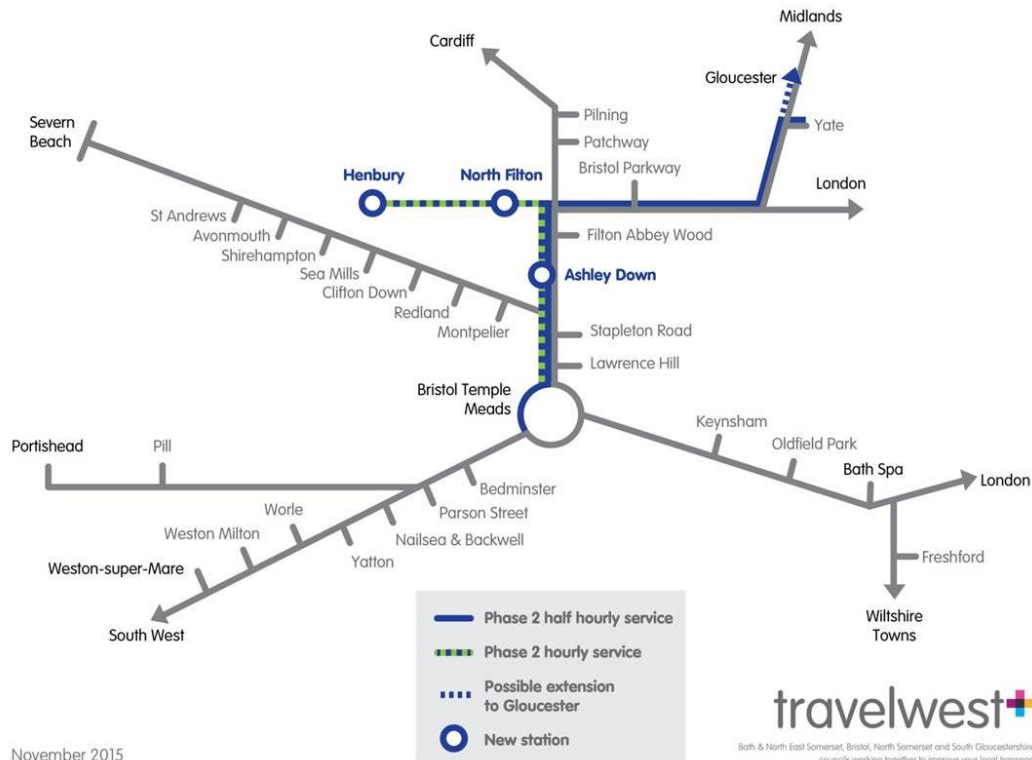


# Pill in 2021/22



MetroWest+

# MetroWest+ Phase 2



November 2015

travelwest+

Bath & North East Somerset, Bristol, North Somerset and South Gloucestershire  
councils working together to improve your local transport

# MetroWest Phase 2

- £43m scheme (2021 prices)
- Re-opening the Henbury freight line to passenger traffic with hourly service and new stations at Henbury and North Filton.
- New station at Ashley Down (Filton Bank).
- Half hourly services to Yate with extension to Gloucester.
- BCR = 3.14.
- 600,000+ passengers a year.
- GRIP 3 work started, to report October 2018.
- Opening 2021.



# Ashley Down station site



MetroWest+

# North Filton new station site



MetroWest+

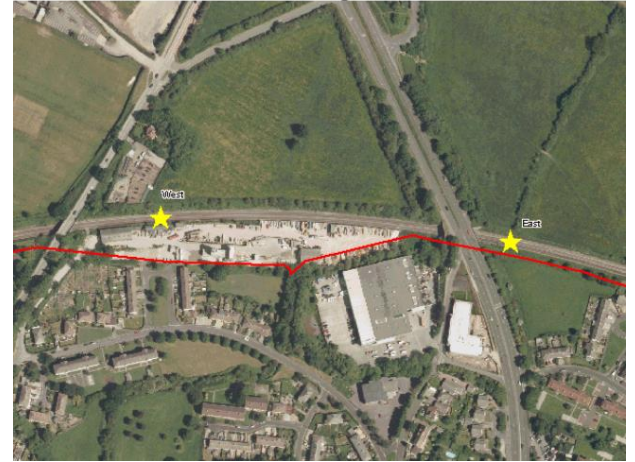


# Cribbs Patchway New Neighbourhood



MetroWest+

# Henbury station - new east location



MetroWest+

# Evolving MetroWest

- Adopting a programme approach.
- Adapting to changing timescales and funding opportunities.
- Bristol East Junction capacity issues.
- Looking beyond MetroWest – enhanced and new services.
- Joint Spatial Plan and Joint Transport Study – mass transit studies.





# Portway Platform

- Single platform to serve Park & Ride site on Severn Beach Line
- £2.63m cost
- New Stations Funding of £1.67m awarded August 2017
- 105,000 journeys pa by 2026
- Opening 2020

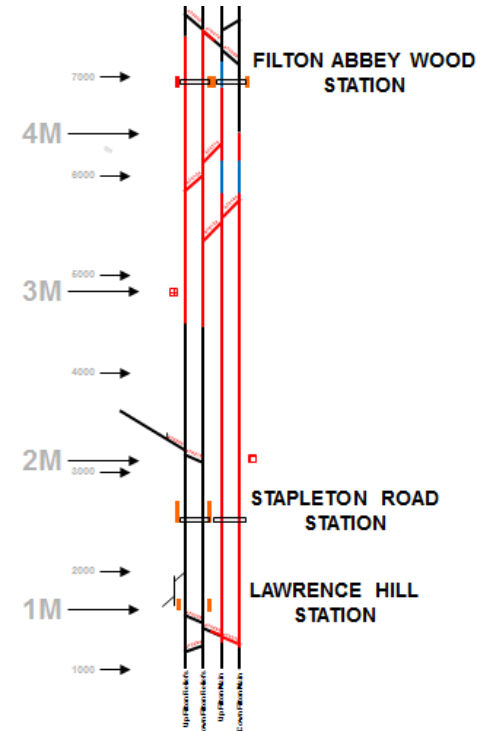
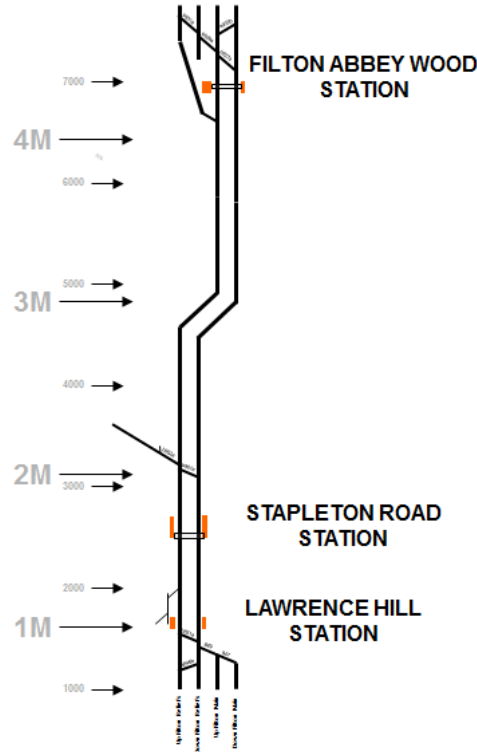


# New and Newer Trains



# Four tracking

- Enables 4 train per hour new IET service.
- Vital for MetroWest.
- Blockade 27 October to 19 November 2018.
- Opening 3 December 2018.
- 10 miles of track, 6 underbridges and a new viaduct.



# Completed Works



Stapleton Road Viaduct Demolition- Going



Stapleton Road Viaduct Demolition- Going



Stapleton Road Viaduct Demolition- Gone



Horfield Cutting



Boiling Wells Underpass

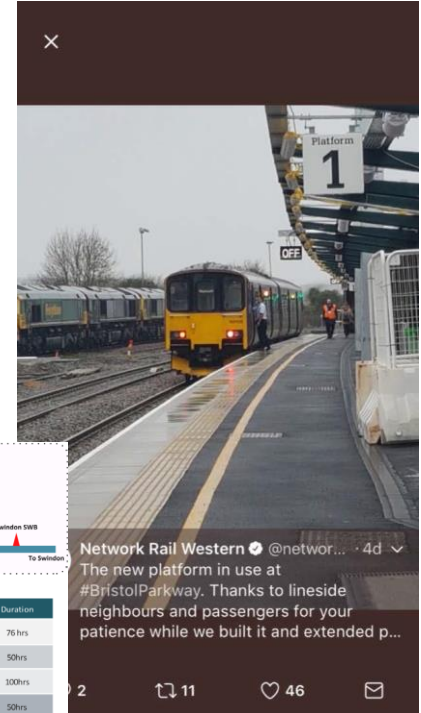
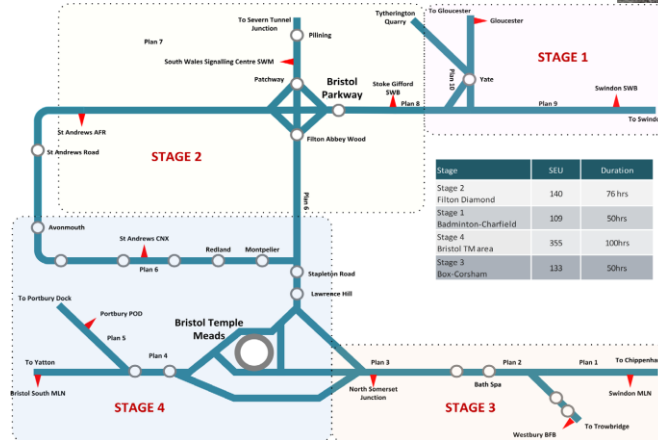
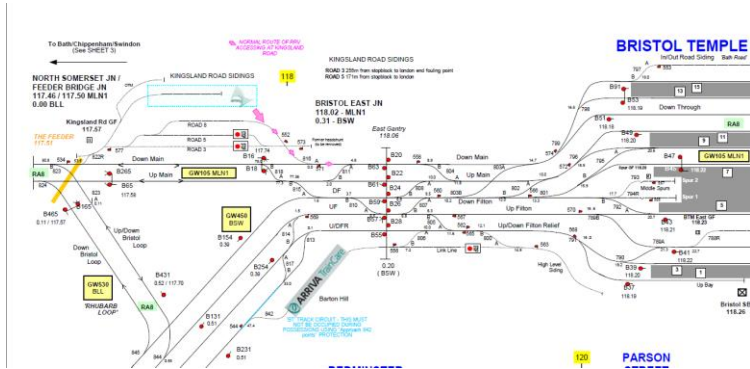


GSMR Masts at Muller Rd and Narrowways



# More happening

- Bristol East Junction remodelling. Additional capacity needed for MetroWest. Funding and timescales tbc.
- Bristol Parkway 4<sup>th</sup> platform now open.
- Bristol Area Signalling and Renewals Enhancement (BASRE) being completed.



Network Rail Western @networ... · 4d  
The new platform in use at #BristolParkway. Thanks to lineside neighbours and passengers for your patience while we built it and extended p...

# Bristol Temple Meads – short term

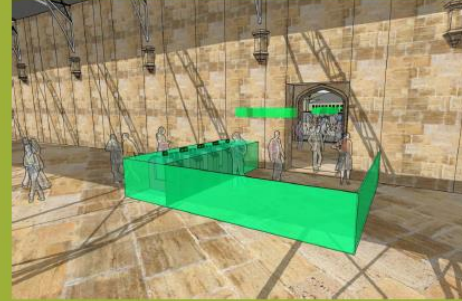
NetworkRail



**New gateline in Bonaparte's Alley:**  
8 bidirectional gates incl 2 WAG

*Working for you.*

NetworkRail



**New gateline at Queen Anne Gate:**  
6 bidirectional gates incl 2 WAG

*Working for you.*



# Bristol Temple Meads – longer term

- New Master Plan for station and Temple Quarter.
- New University campus
- New entrances and exits.
- Platforms 0 and 1 back into use.



# Key rail points

- Building a modern local railway.
- Realistic, pragmatic, affordable.
- Funding and commitment is key.
- Need lots of passengers!
- £10m+ a station (10,000 catchment).
- Need network capacity.
- Revenue support and rolling stock.
- We're getting there!
- MetroWest = £100m+, 2 new lines, 5 new stations and ½ hourly services.





Thank you!

