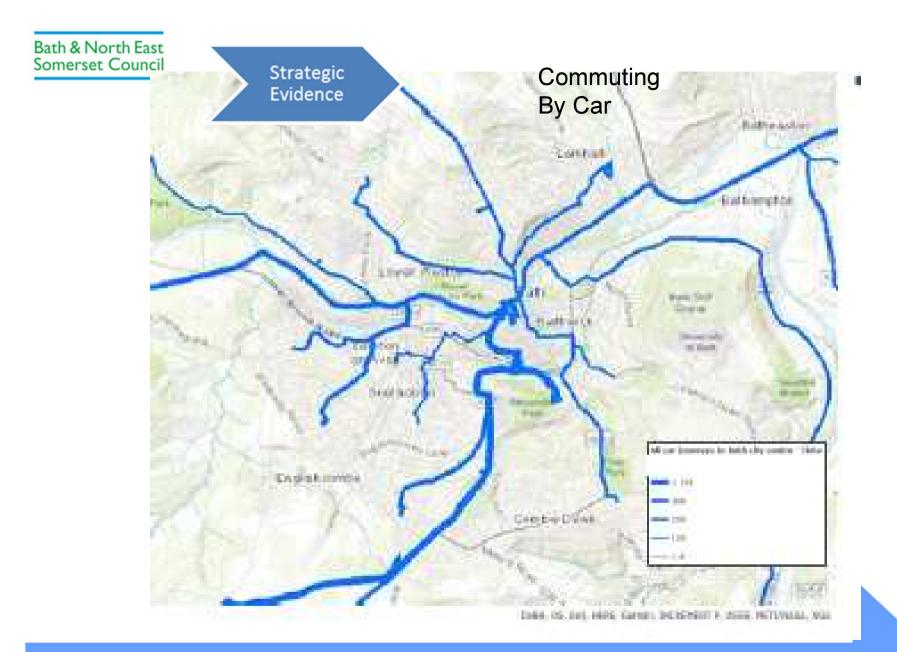
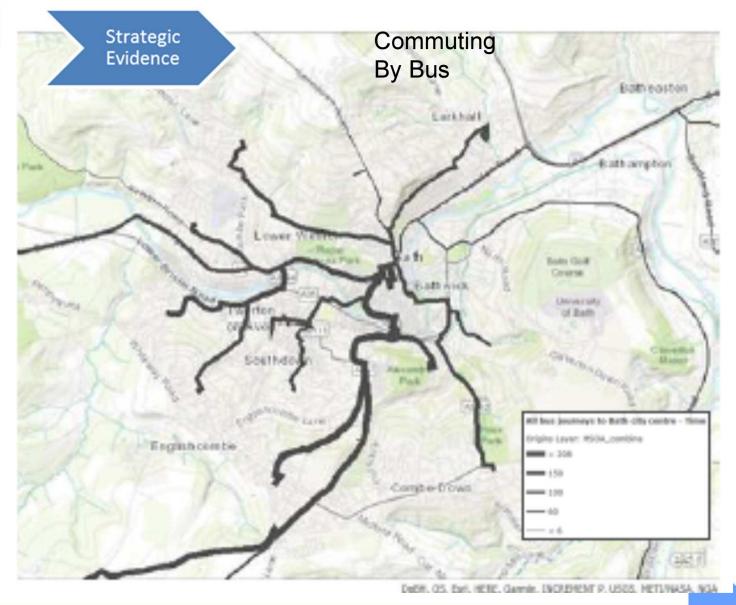
The potential introduction of trams to Bath

Initial evidence-based study

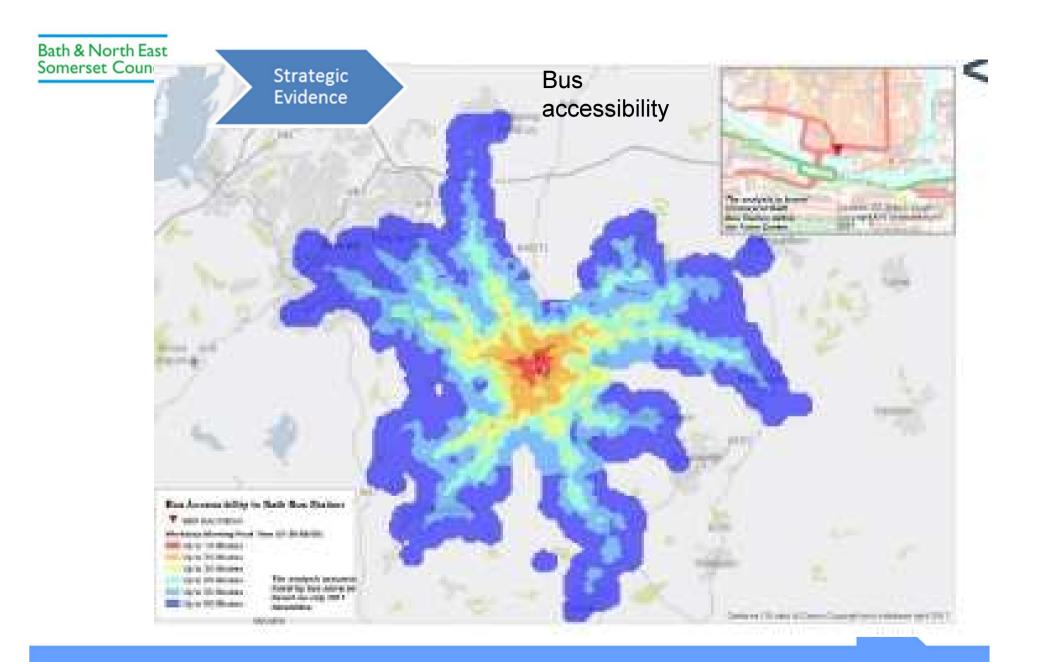
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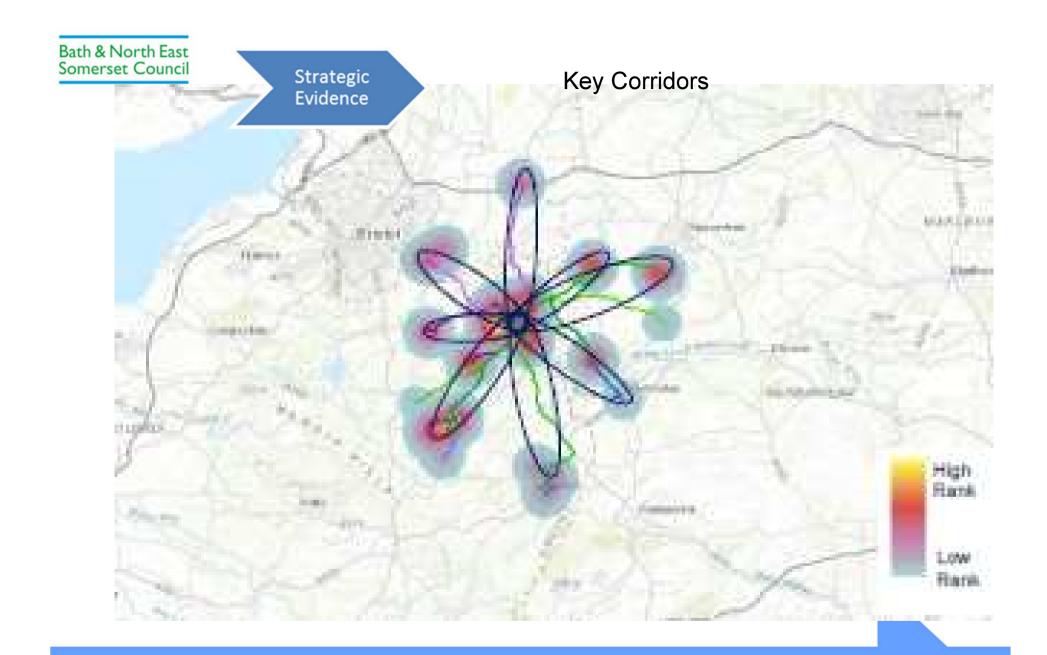


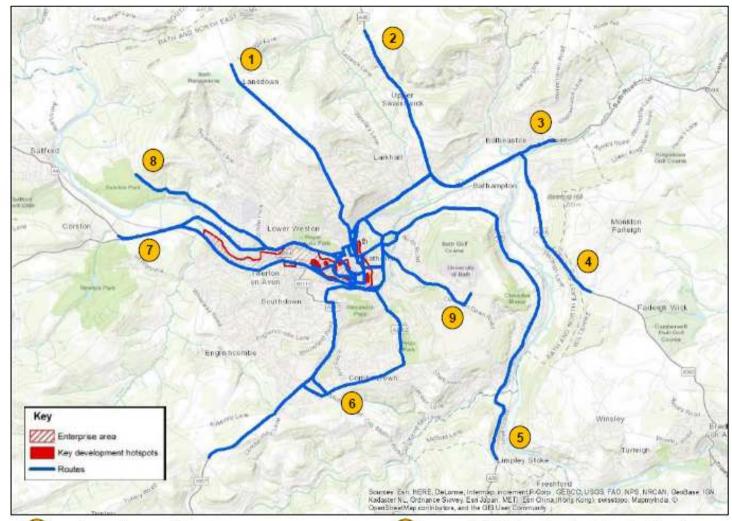




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Lansdown - Centre

- A36 Warminster Road Centre
- 2 A46 Gloucester Road Centre
- 6 A367 Odd Down Centre

3 A4 Batheaston - Centre

7 A4/A36 Newbridge - Centre

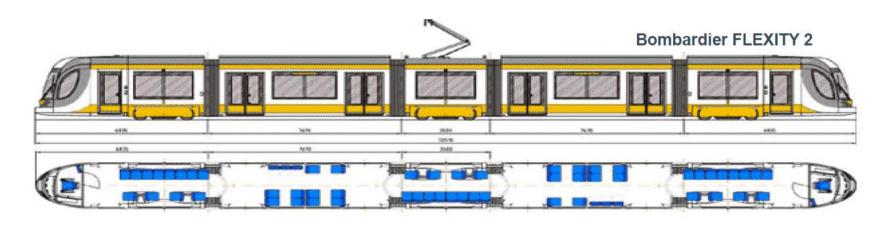
4 A363 Farleigh Wick - Centre

8 A431 Kelston - Centre

Note: For the purpose of this study, the centre of Bath has been defined as Stall Street, adjacent to the Roman Baths. 9 Bathwick Hill - Centre

Technology

- Power Systems
- Ultra Light rail
- Gradients
- Structural
- Stops
- Track

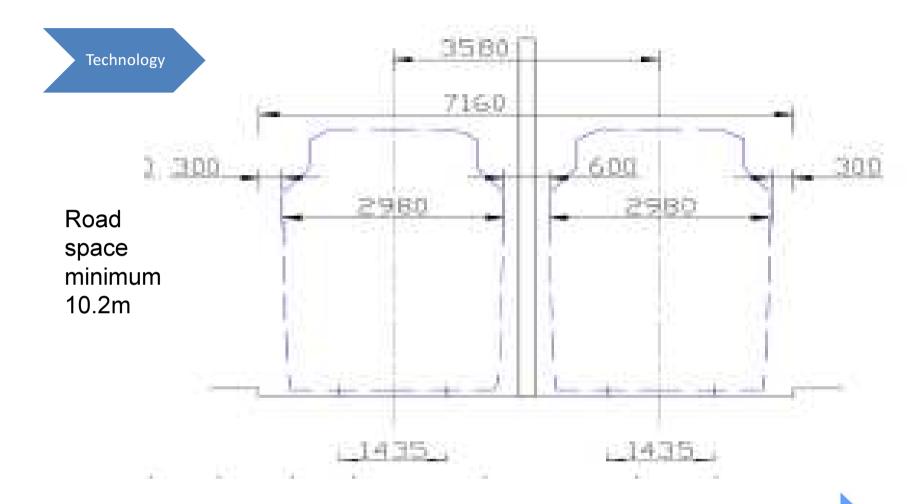


Technology

Depots



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(Alreart)

2014

	45				
System	Date Opened	Actual construction cost (E millions)	Construction cost at (2017 Prices) (5 millions)	Length of track (kilometres)	Construction cost per km (2017 Prices) (E millions)
Manchester Metrolink	1992	150	210	31	7
Sheffield Supertrain	1994	240 340		25	12
Midland Metro	1999	150	180	21	9
Croydon Tramilnit	2000	200	240	28	9
Nottingham Express Transit	2004	180	200	14	14
Extensions	Date Opened	Actual construction cost (E millions)	Construction cost at (2017 Prices) (5 millions)	Length of track (kilometres)	Construction cost per km (2017 Prices) (5 millions)
Manchester Metrolink	2000	160	190	8	24
Nottingham Express Transit	2015	570	570	18	33
Midland Metro	2015	40	45	1	39
Manchester Metrolinik	2014	400	416	10	76

410

15

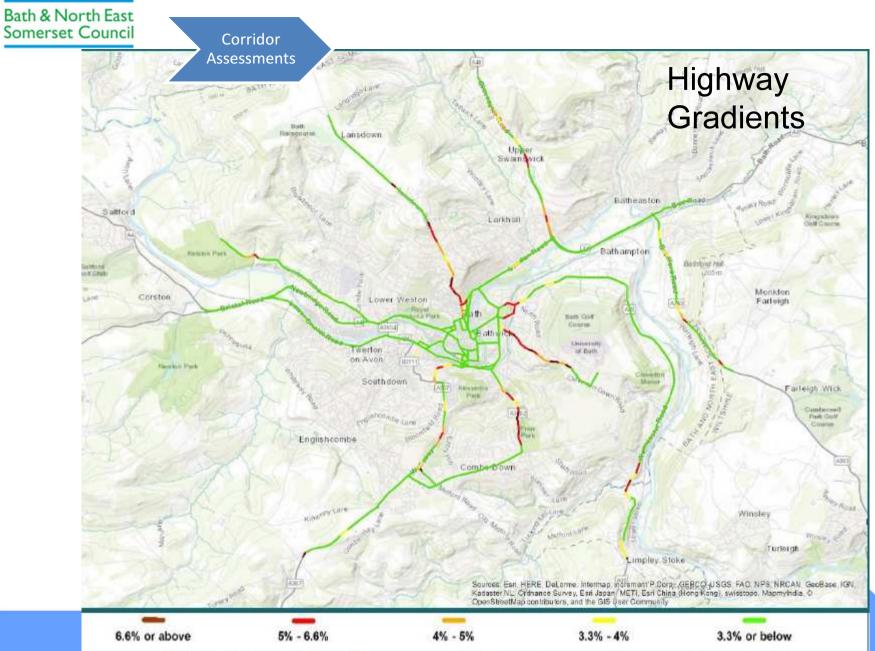
Manchester 1992, £7m/km Manchester 2000, £24m/km Nottingham 2015, £33m/km Midland Metro 2015, £39m/km

400

28

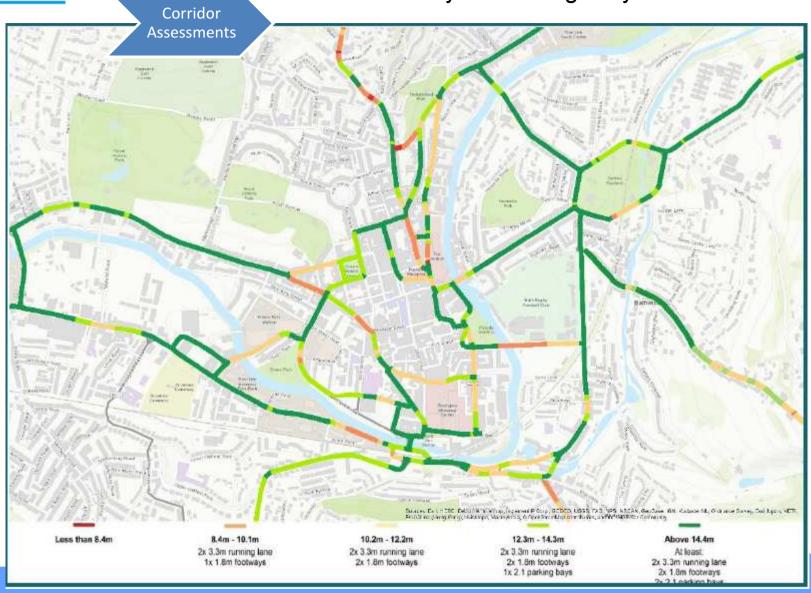
Bath & North East Somerset Council Corridor Assessments Highway Widths Toron to 1900 Blanc Area with the Committee of the Note of the Committee o 10.2m - 12.2m 12.3m - 14.3m Above 14.4m 2x 3.3m running lane 2x 3.3m running larse 2x 3.3m running lane At least 1x 1.6m footways 2x 1.8m footways 2x 1.8m lootways 2x 3.3m running lane fx 2.1 parking bays 2x 1.8m footways 2x 2.1 parking bays

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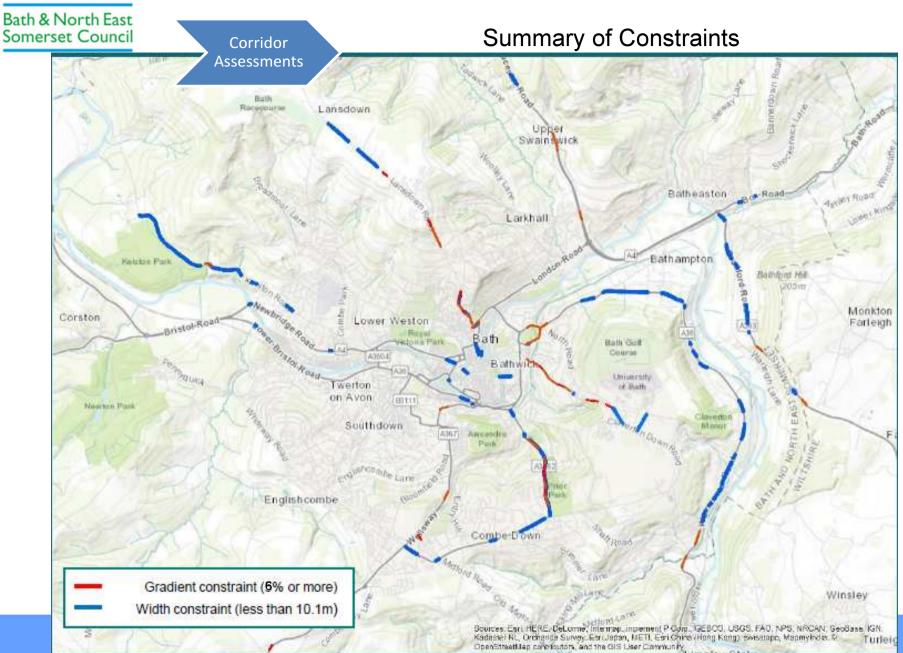


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City Centre Highway Width



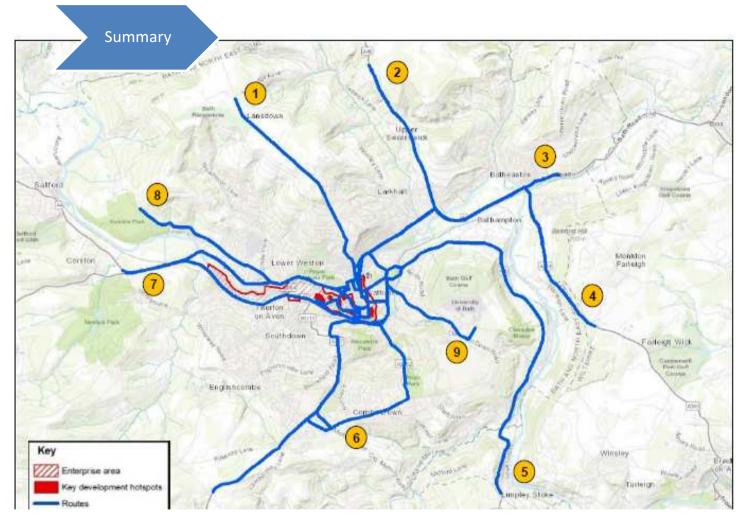
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5.1 Indicative RAG assessment

Corridor	Demand	Existing Park & Ride site on corridor	Width constraints	Gradient constraints	Environmental constraints	Potential for depot along corridor
1 – Lansdown to Centre	High demand	Lansdown Park & Ride	Some constrained areas	Some constrained areas	Green Belt and AONB throughout	Location near to existing Park & Ride site could considered
2 – A46 Gloucester Road to Centre	Relatively low demand	No current Park & Ride site	Some constrained areas	Some constrained areas	Green Belt and AONB throughout	Unlikely to be viable
3 – A4 Batheaston to Centre	Relatively high demand	No current Park & Ride site	No width constraints	Relatively few gradient constraints	Flood risk and Green Belt	Potential site options on A4 at Batheaston
4 – A363 Farleigh Wick to Centre	Relatively low demand	No current Park & Ride site	Limited widths	Some constrained areas	Flood risk, AONB and Green Belt	Potential site options on A4 at Batheaston
5 – A36 Warminster Road to Centre	Relatively low demand	No current Park & Ride site	Some width constraints	Some constrained areas	Green Belt and AONB throughout	Unlikely to be viable
6 – A367 Odd Down to Centre	Very high demand	Odd Down Park & Ride	Significant constraints on A3062, few on A367	Significant constraints on A3062, few on A367	Green Belt and AONB on A3062, none on A367	Location near to existing Park & Ride site could considered
7 – A4/A36 Newbridge to Centre	High demand	Newbridge Park & Ride	Few width constraints	Few gradient constraints	Green Belt and AONB on edge, flood risk throughout	Location near to existing Park & Ride site could considered
8 – A431 Kelston to Centre	Relatively low demand	No current Park & Ride site	Significant width constraints	Slight gradient concerns	Green Belt and AONB	Unlikely to be viable
9 – Bathwick Hill to Centre	Expected high demand	No current Park & Ride site	Significant width constraints	Significant gradient constraints	World Heritage Site; no flood zone, AONB or Green Belt	Unlikely to be viable



 Recommendation - Initial assessment has demonstrated that there is a case for further consideration of the potential introduction of trams on corridors 6,7,1 and 3

Issues to be considered

- Requires mode shift from cars, buses and P&R.
 Bus services would need to compliment not compete.
- How to create a system that will not be delayed by congestion.
- Vaults and utilities will need detailed assessments to reduce risk.
- Impact on heritage.

Next Steps

- Set up Officer Client Group to include an expert from UK Trams.
- Undertake a detailed assessment on one corridor (subject to expert advice).
- Investigate opportunity to progress the study further/develop a business case with support from WECA.