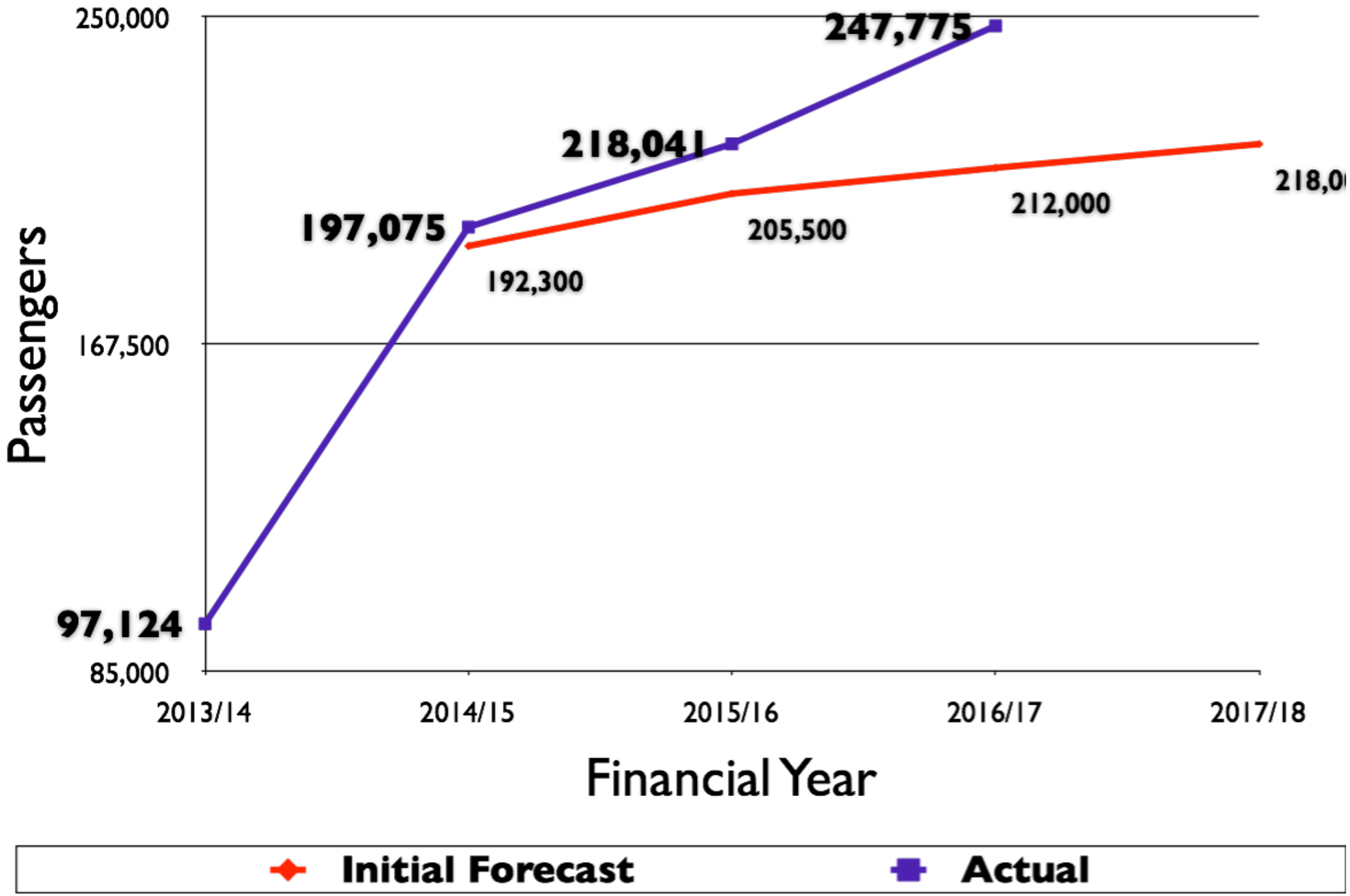
TransWilts Ten Year Plans for Connecting Wiltshire

Proposals 20 July 2017 for new SW First/MTR Franchise and GWR existing and future GW franchise specification

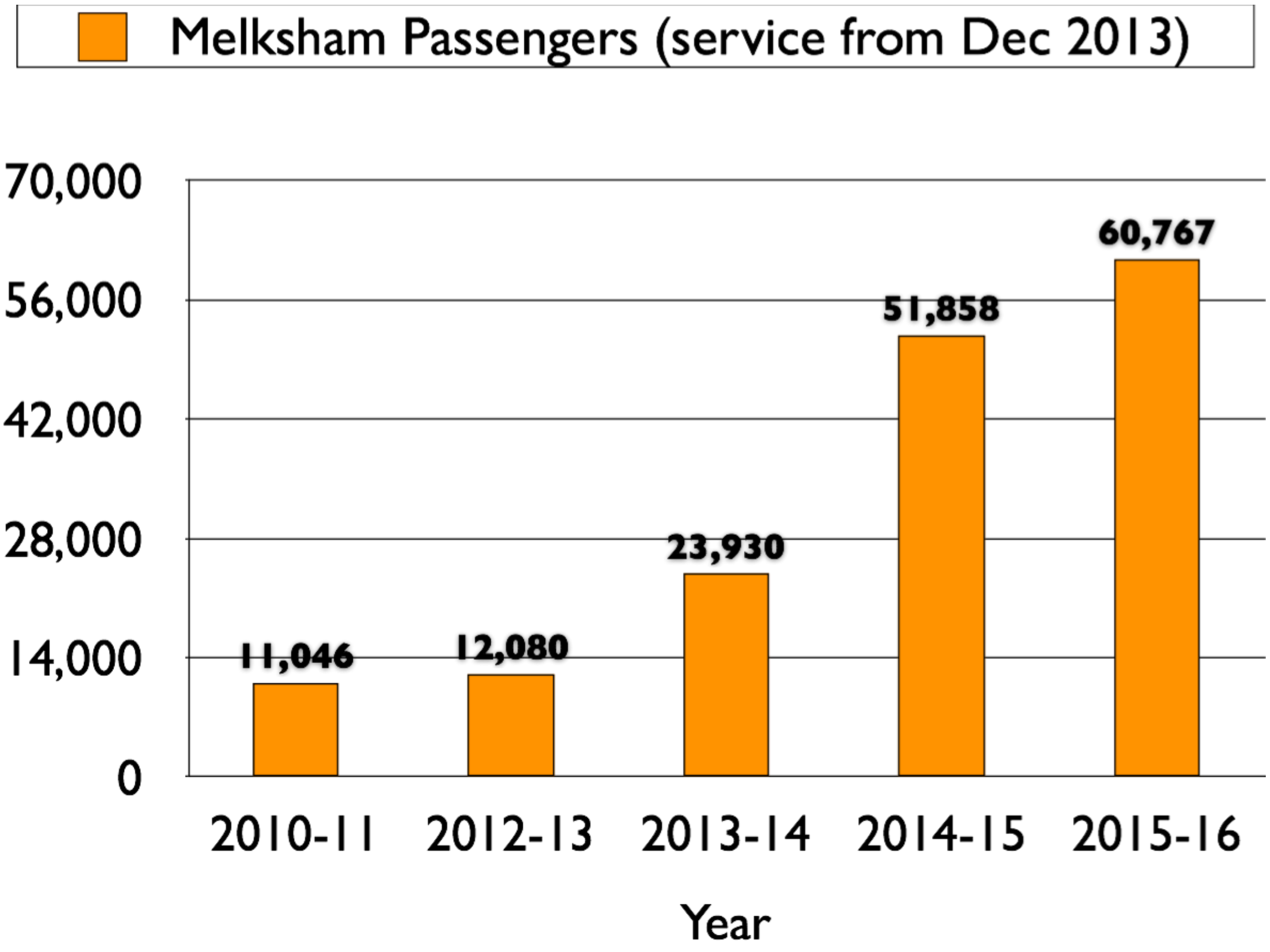
TransWilts
Connecting Wiltshire's Communities

TransWilts Passenger Growth



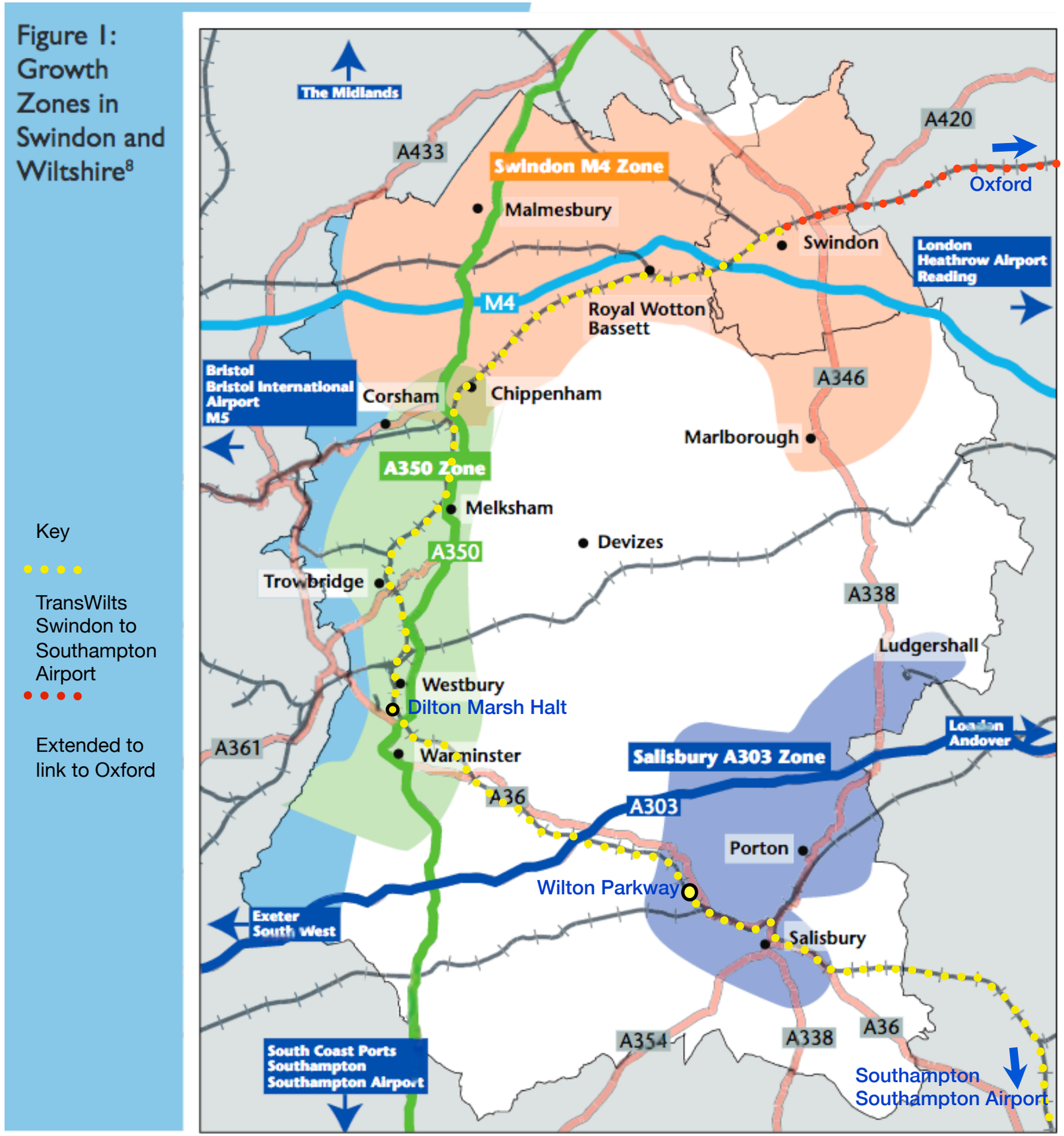
GWR Severn and Solent Lines Passenger Growth

Route	% change 2014/2015	% change 2015/2016	% change 2016/2017
Swindon-Westbury	**+102.91%**	**+10.64%**	**+13.64%**
Cardiff-Portsmouth	+5.18%	+1.27%	-2.45%
Bath-Filton	+6.87%	+12.69%	+4.4%
Bristol-Weymouth	+6.43%	-0.74%	+4.25%
Bristol-Gt.Malvern	+8.12%	+3.34%	+4.93%
Bristol TM-Severn Beach	+10.06%	+7.03%	+9.64%
Bristol-Exeter	+7.22%	+4.22%	+5.3%


Melksham Passengers (service from Dec 2013)
70,000
56,000
42,000
28,000
14,000
0
11,046
12,080
23,930
51,858
60,767
2010-11
2012-13
2013-14
2014-15
2015-16
Year

Swindon & Wiltshire Local Enterprise Partnership Economic Zones served by TransWilts north-south connectivity. Linking to local airport, port and economic centres.

Figure 1: Growth Zones in Swindon and Wiltshire[8]



Key

TransWilts Swindon to Southampton Airport

Extended to link to Oxford

TransWilts Service Proposal

15 trains per day

2 car trains

Phased introduction

Rail/Bus connectivity

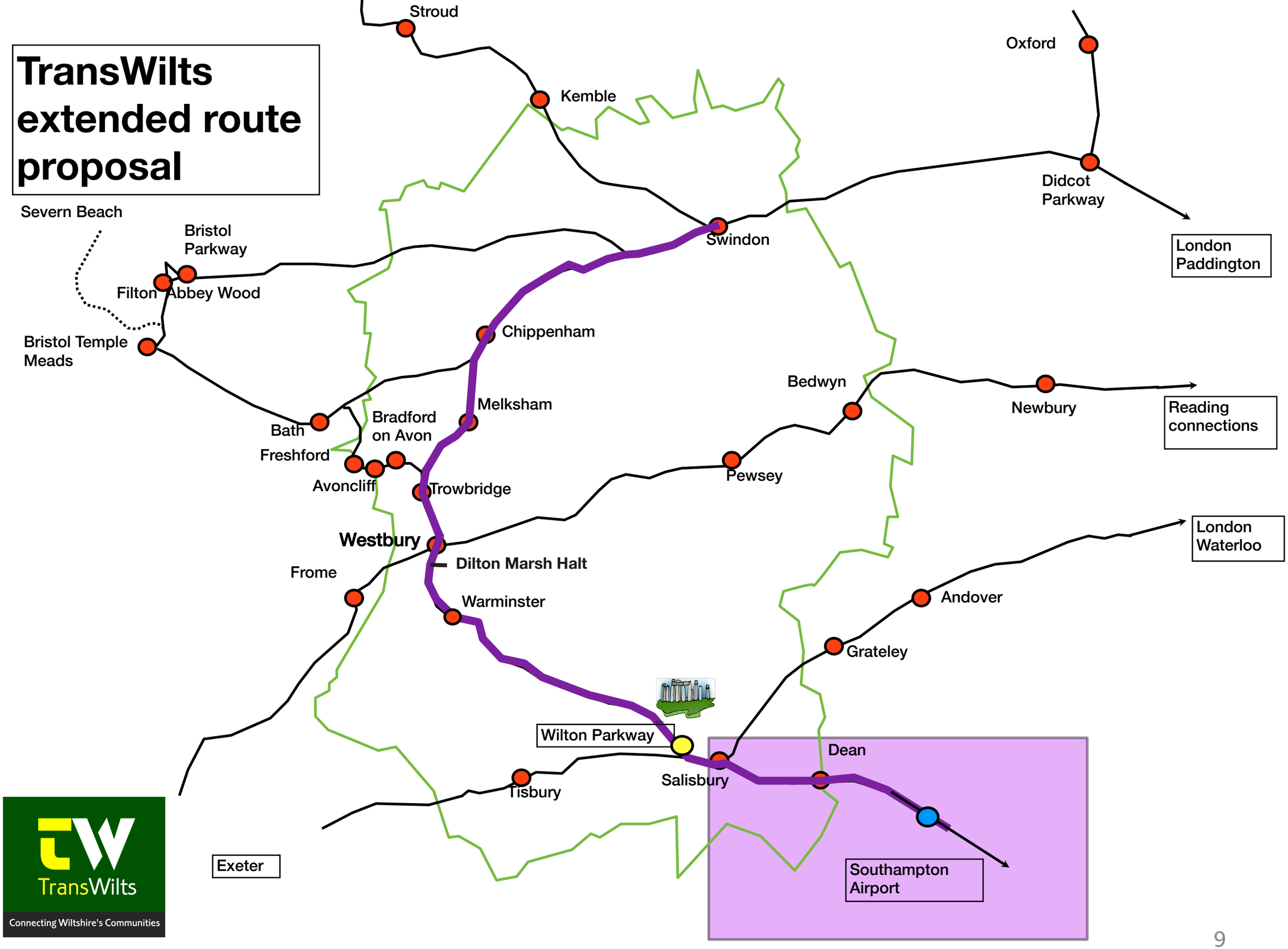
TransWilts Rolling Stock Service Options	Description
0. Add evening train to make a 10 train service	Provides a late train 21.19 Westbury, 22.36 Swindon Replaces discontinued evening bus service. Self funding fares proposal.
1. Replace existing 9/10 trains c153 service with a c150 or c158	Relieves immediate pressure on peak trains, allows some growth Use of c158 with single door means extra dwell time at Melksham until platform extension built. Gaps in existing 9 train service remain a deterrent to significant growth.
2. Add c153 coupled to existing c153	As option 1
3. Run additional 5/6 train services by introducing an extra c153 to provide 15 trains/day	Immediate capacity plus options to relieve peak train congestion Proposed extra services: Westbury 06.04, 08.33, 11.17, 15.04, 17.27, 21.19 Swindon 07.48, 10.06, 13.40, 16.36, 19.36, 22.36 More expensive on crews but faster revenue growth.
4. As option3 but add a c150/158 retaining existing c153	C150 provides higher capacity on current service peaks whilst extra c153 provides infill 6 train service growth. Potential short term solution.
5. Replace c153 with 2 x c150 or c158. Service 15 trains/day	The Medium Term service solution. From Westbury: 06.04, 07.04, 07.33, 08.33, 09.48, 11.17, 11.47, 12.20, 14.14, 15.04, 16.21, 17.27, 18.32, 19.32, 21.19 Swindon: 06.15, 07.48, 08.49, 10.06, 10.47, 12.47, 13.19, 13.40, 15.12, 16.36, 17.36, 18.48, 19.36, 20.06, 22.36

Southampton Airport hourly service Extension Proposal

Extension to Southampton Airport
Utilising existing rolling stock services cascaded
A new Wilton Parkway Station for Stonehenge
Exclusively serves Dilton Marsh Halt

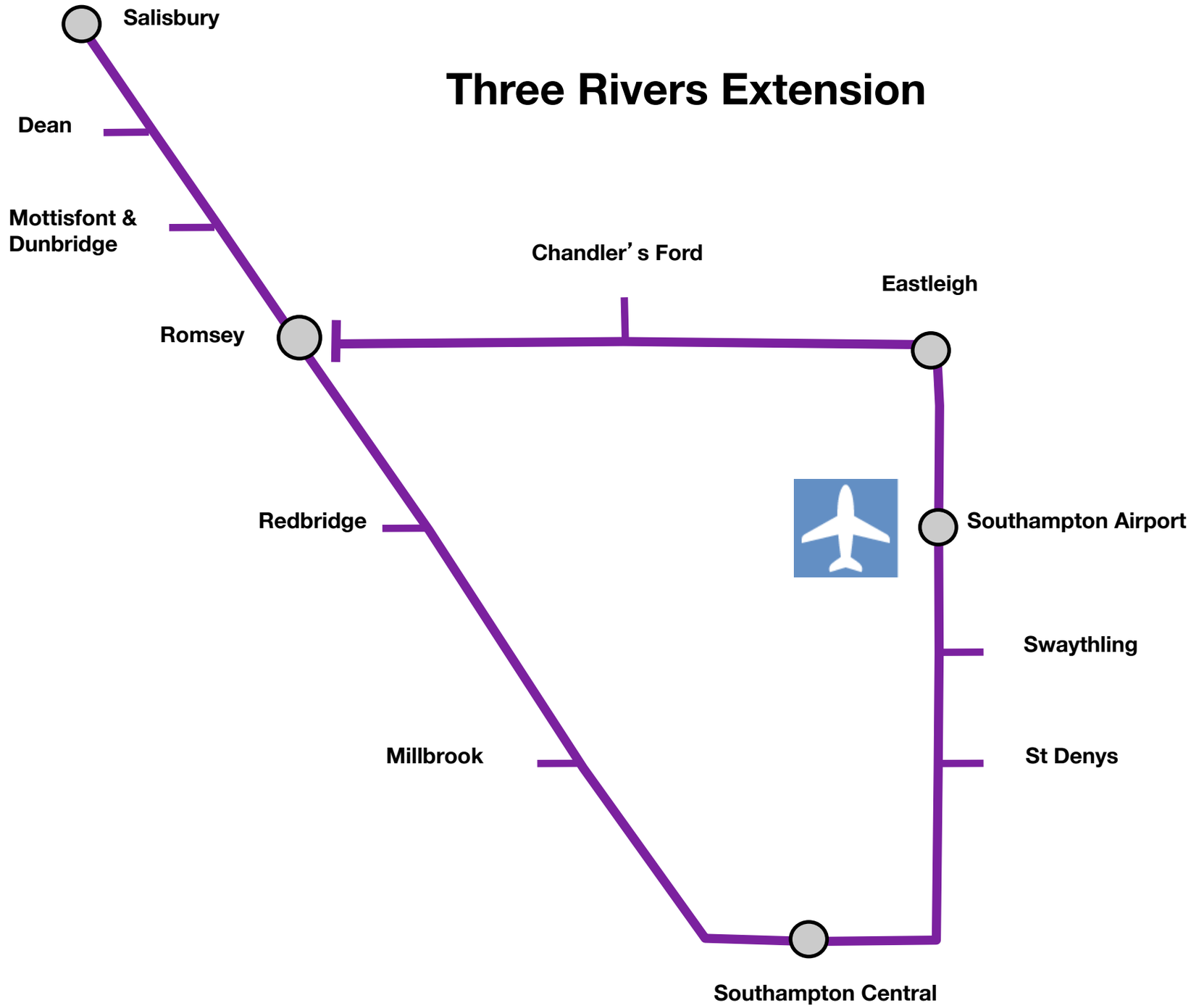
TransWilts
Connecting Wiltshire's Communities

TransWilts extended route proposal



TransWilts
Connecting Wiltshire's Communities

Three Rivers Extension



Improved existing rolling stock efficiency

Rolling Stock Cascade
Class 158/159 2 car

6 existing local train sets required.

* 3 from Three Rivers CRP
* 1 from TransWilts (day)
* 1 from "South of Westbury" locals (used for Dilton Marsh shuttle)
* 1 from Stroud Valley feeder

SW Franchise Specification Specified Routes

The Secretary of State shall have the right to require the Franchisee to produce revised and updated reports in relation to any of the Specified Routes to a specification provided by him on reasonable notice so that such reports are submitted to the Secretary of State on any of [1] December 2018, [1] December 2019 and [1] December 2020.

As required by the Secretary of State the Franchisee shall meet with the Secretary of State to discuss the contents of any report provided to the Secretary of State pursuant to this paragraph and provide such further information and analysis as he may reasonably require.

For the purpose of this paragraph "the Specified Routes" means each of the following routes:

Brighton - Exeter via Southampton and Salisbury;

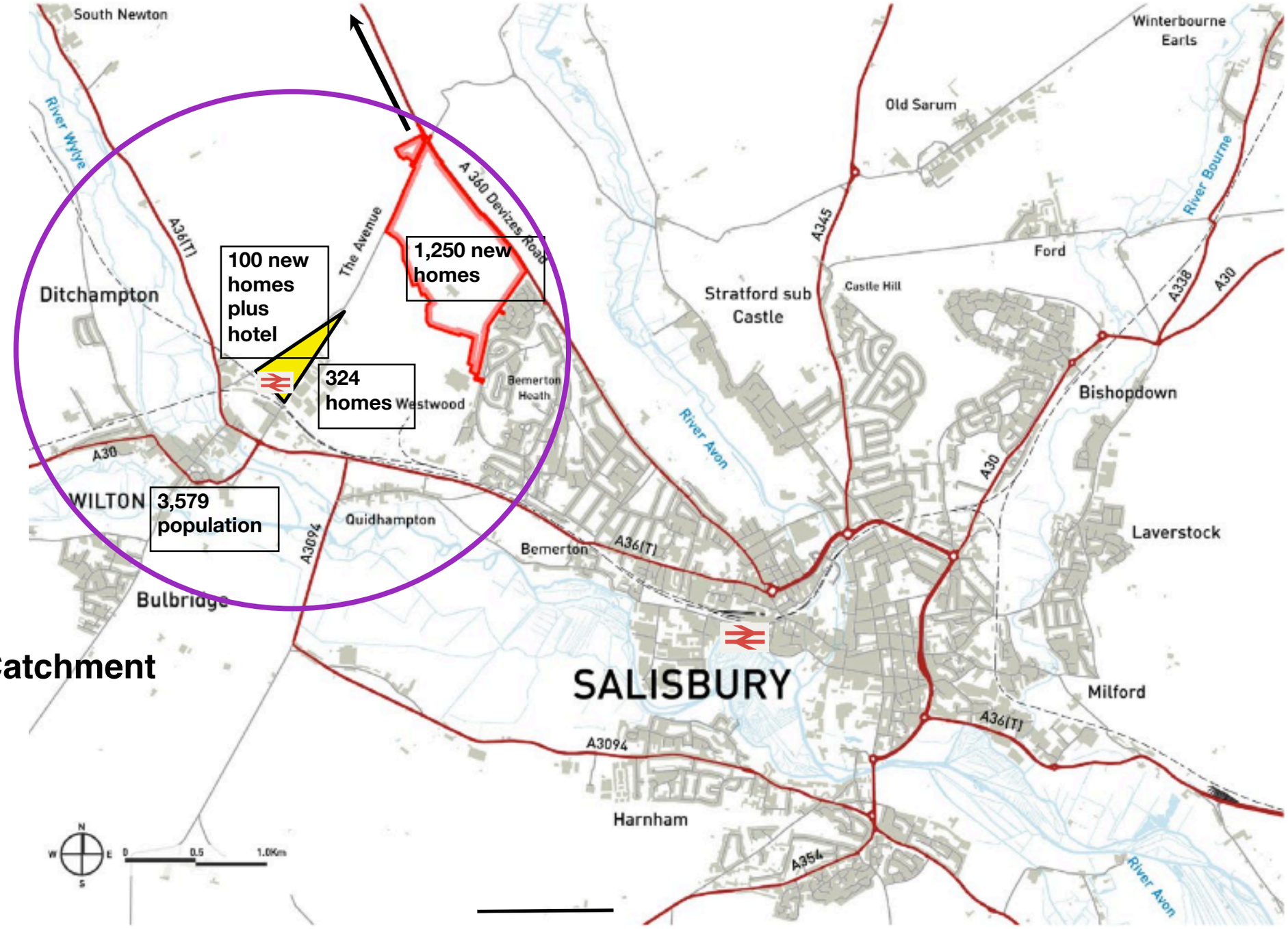
Portsmouth - Southampton – Bristol [(and beyond)];

Southampton Airport – Salisbury – Swindon; and

SW Franchise First Group / MTR Award

* New stations: we will work with stakeholders to progress plans for new stations such as Park Barn, Merrow and Wilton Parkway and others during the franchise

Wilton Homes Catchment



Site Location Plan

Fugglestone Red site boundary

Built up areas

Main Roads

Railway Line

Watercourses

2km radius from Wilton P&R site

Wilton P&R development site

WILTON PARKWAY CONNECTIONS

TransWilts
Connecting Wiltshire's Communities

LONDON
Paddington Waterloo

Crossrail & Heathrow

WESTBURY

30 mins

SALISBURY STATION 3 miles

5 mins

250,000 visitors
Salisbury Cathedral and Magna Carta

36 mins

SOUTHAMPTON AIRPORT 1.8 million passengers

HOTEL
60 BEDS

WILTON PARKWAY

Catchment 2,100 HOMES

0.5 mile

8 miles

WILTON OUTLET CENTRE & WILTON HOUSE

3 miles

SALISBURY RACECOURSE 46,391 attending over 16 race days

SALISBURY RACECOURSE
THE SIBURY CLUB

STONEHENGE 1.382 million visitors 2016

SALISBURY PLAIN HERITAGE CENTRE forecast 120,000 visitors

3 miles

Existing TransWilts
Segment 1 - 46 minutes

Swindon

22

Chippenham

9

Melksham

9

Trowbridge

6

Westbury

2

Dilton Marsh Halt Proposed only on TransWilts services

6

Warminster

TransWilts Extension
Segment 2 - 33 minutes

20

Wilton Parkway

5

Salisbury

Existing Three Rivers CRP
Segment 3 - 50 minutes

50

Southampton Airport

Key

Direct Connections to London

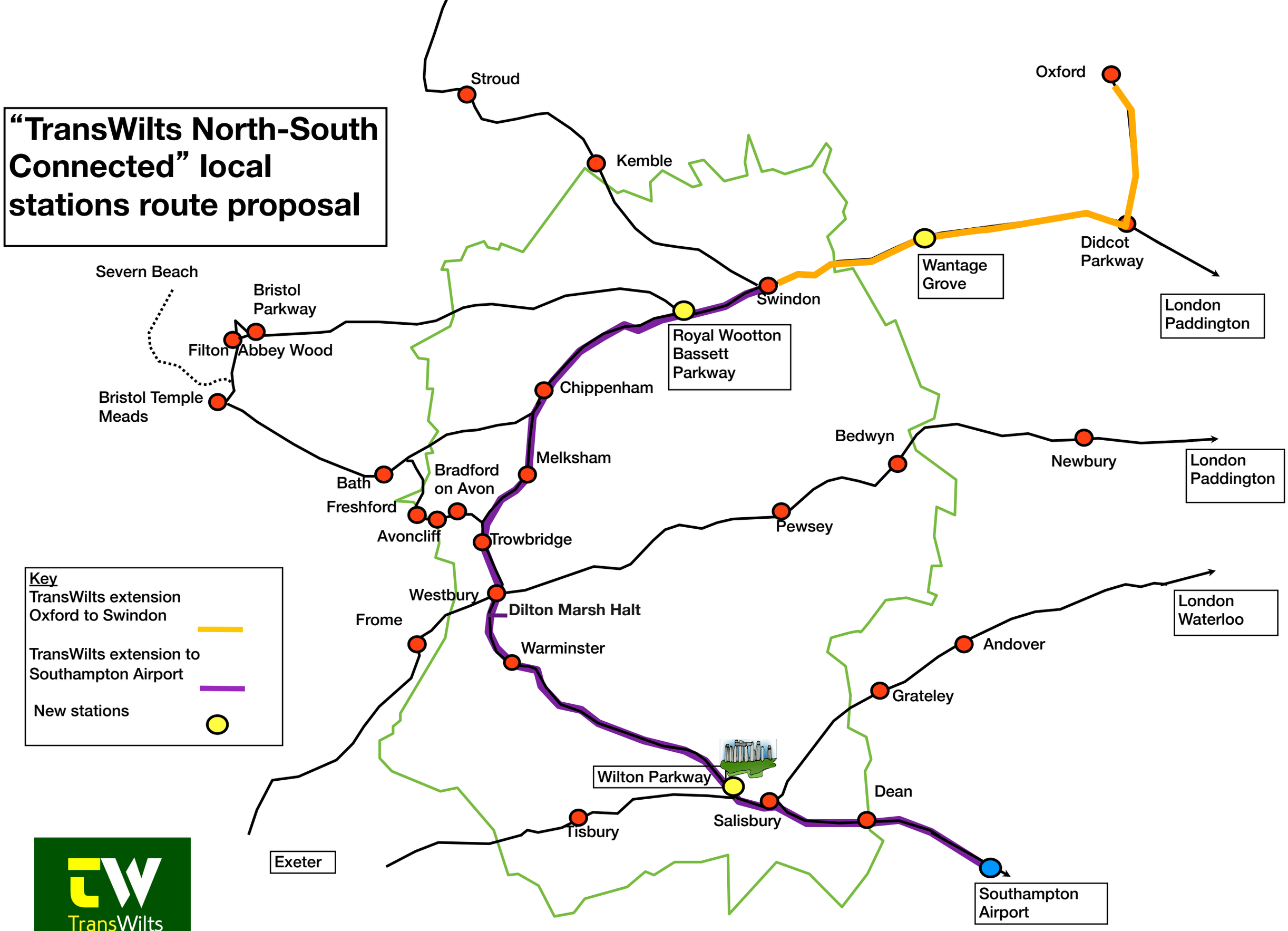
9 Typical minutes between stops

TransWilts Southampton - Oxford Service Extension Proposal

Extension Swindon to Oxford
Local Service serves Wantage Grove and potentially Royal Wootton Bassett as M4 Junc 16 Swindon Park & Ride

TransWilts
Connecting Wiltshire's Communities

“TransWilts North-South Connected” local stations route proposal



TransWilts
Connecting Wiltshire's Communities

Oxford- Swindon Extension Segment 4 - 46 minutes

21

12

13

Existing TransWilts Segment 1 - 46 minutes

22

9

9

6

TransWilts Extension Segment 2 - 33 minutes

2

6

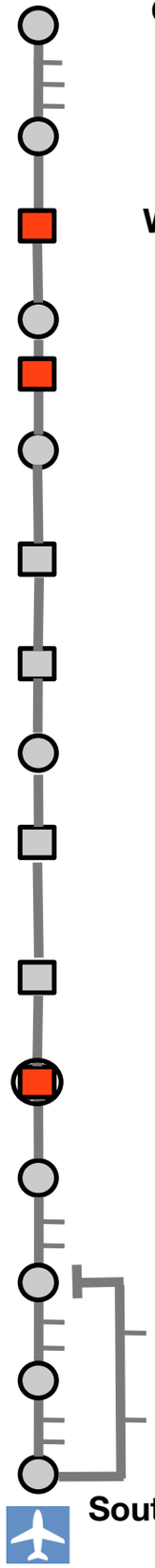
20

5

Existing Three Rivers CRP Segment 3 to Southampton Airport - 55 minutes

Romsey

Southampton Central



Key

Direct Connections to London

9 Typical minutes between stops

Existing local service stops

New Stations

Proposed only on TransWilts services

Rolling Stock Cascade
Class 158/159 2 car

7 existing local train sets required.
* 3 from Three Rivers
* 1 from TransWilts (day)
* 1 from Oxford - Didcot locals
* 1 from "South of Westbury" locals - for Dilton Marsh
* 1 from Stroud Valley feeder

East-West link Extension Proposal

Extension from Oxford to Bristol Service serves new stations at Wantage Grove, Royal Wootton Bassett (as M4 Junc 16 Swindon Park & Ride) and Corsham

TransWilts
Connecting Wiltshire's Communities

East-West Oxford-Bristol route proposal

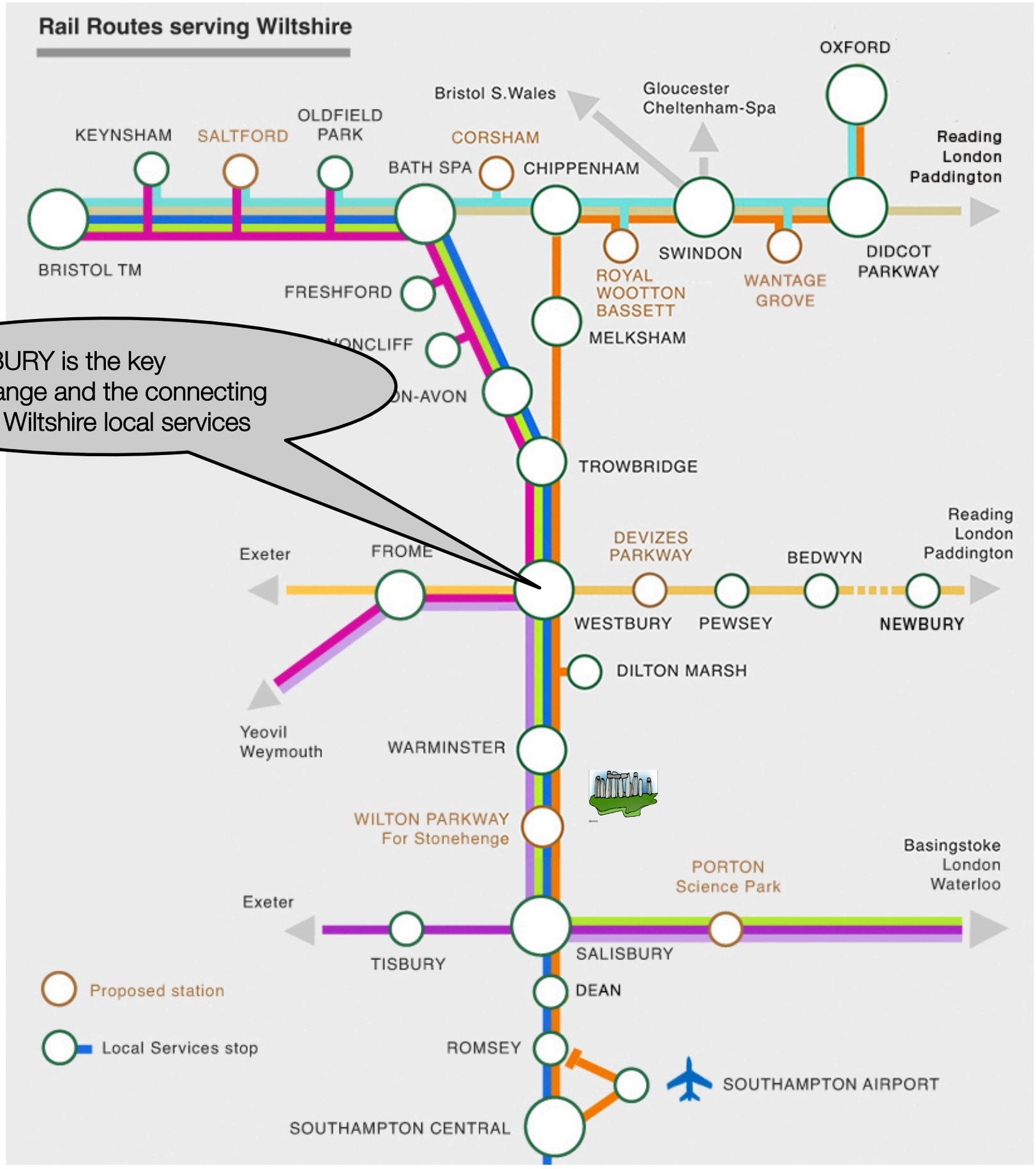
Stroud
Kemble
Oxford
Severn Beach
Bristol Parkway
Filton Abbey Wood
Bristol Temple Meads
Swindon
Wantage Grove
Didcot Parkway
London Paddington
Royal Wootton Bassett Parkway
Chippenham
Corsham
Bath
Bradford on Avon
Freshford
Avoncliff
Melksham
Trowbridge
Bedwyn
Newbury
London Paddington
Pewsey
Westbury
Dilton Marsh Halt
Frome
Warminster
London Waterloo
Andover
Grateley
Wilton Parkway
Salisbury
Dean
Tisbury
Exeter
Southampton Airport

Key
East-West Rail extension Oxford to Bristol

TransWilts extension to Southampton Airport

New stations

TransWilts
Connecting Wiltshire's Communities


Rail Routes serving Wiltshire
WESTBURY is the key interchange and the connecting hub for Wiltshire local services
OXFORD
Bristol S.Wales
Gloucester
Cheltenham-Spa
Reading
London
Paddington
KEYNSHAM
SALTFORD
OLDFIELD
PARK
CORSHAM
BATH SPA
CHIPPENHAM
BRISTOL TM
SWINDON
DIDCOT
PARKWAY
ROYAL
WOOTTON
BASSETT
WANTAGE
GROVE
FRESHFORD
MELKSHAM
TROWBRIDGE
Exeter
FROME
DEVIZES
PARKWAY
BEDWYN
Reading
London
Paddington
WESTBURY
PEWSEY
NEWBURY
DILTON MARSH
Yeovil
Weymouth
WARMINSTER
WILTON PARKWAY
For Stonehenge
PORTON
Science Park
Basingstoke
London
Waterloo
Exeter
TISBURY
SALISBURY
DEAN
Proposed station
Local Services stop
ROMSEY
SOUTHAMPTON AIRPORT
SOUTHAMPTON CENTRAL

Mid-Wilts link
Taunton – Reading
local service proposal

Extension of Reading- Bedwyn to Taunton linking major populations at Frome, and at Devizes with new parkway station to Westbury hub interchange and mid Wilts stations

TransWilts
Connecting Wiltshire's Communities

Mid Wilts Corridor Population 2026

Station Town	Population Forecast 2026
Frome	29,290
Devizes	36,440
Westbury	21,570
Pewsey and Bedwyn	14,980
Marlborough	19,490
Total Corridor	**121,770**

Mid Wilts Proposal – Local connecting service extended to Taunton

Stroud
Kemble
Oxford
Didcot Parkway
London Paddington
Swindon
Royal Wootton Bassett Parkway
Bristol Parkway
Filton Abbey Wood
Bristol Temple Meads
Chippenham
Corsham
Melksham
Bradford on Avon
Bath
Freshford
Avoncliff
Trowbridge
Bedwyn
Newbury
READING
Pewsey
Devizes Parkway
Westbury
Dilton Marsh Halt
Frome
Warminster
London Waterloo
Andover
Grateley
Bruton
Castle Cary
TAUNTON
Wilton Parkway
Dean
Salisbury
Tisbury
Exeter
Southampton Airport

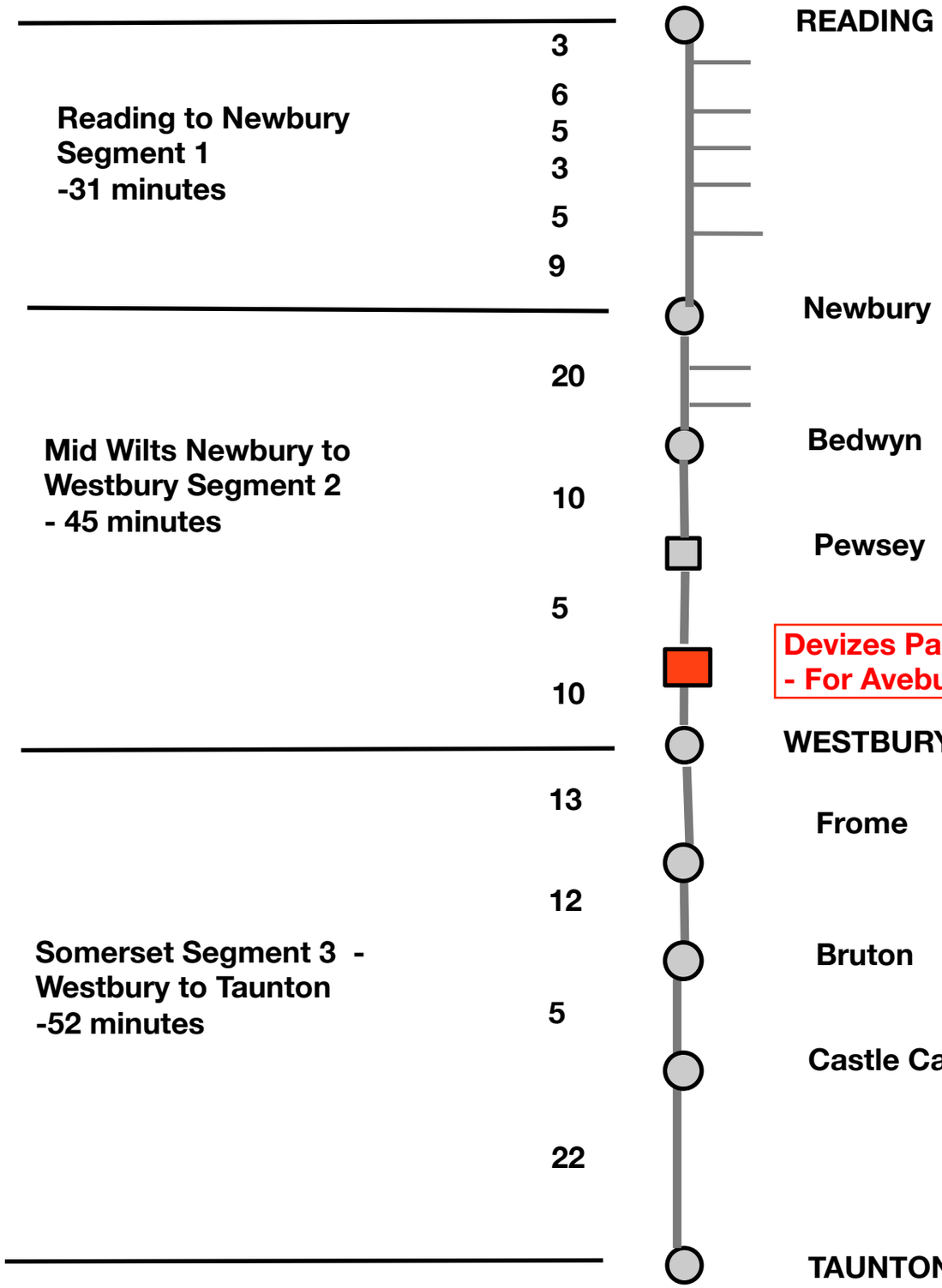
Key

Reading to Taunton – local service

TransWilts extension to Southampton Airport

New stations

TransWilts
Connecting Wiltshire's Communities



Key

- Direct Connections to London
- 9 Typical minutes between stops
- Existing local service stops
- New Stations

United Nations Educational, Scientific and Cultural Organization

Stonehenge, Avebury and Associated Sites inscribed on the World Heritage List in 1986

Infrastructure

- Melksham passing loop (single line capacity inc. freight and resilience)
- Westbury Platform 0 (Hub resilience and connections operational improvement)
- Melksham Station Masterplan capacity improvements (5 car platform length & improved bus, pedestrian and cycle access)
- Salisbury Platform reconfiguration improved operations and transfers (London Waterloo to Wilton & TransWilts extension to Southampton Airport)
- Chippenham Station CRP Brunel Heritage Platform 3 reinstated for local services and Bristol-Swindon passing loop for line resilience
- **New Stations**:
  - Wilton Parkway (TransWilts extension to Southampton Airport) including London Waterloo service turn back.
  - Royal Wootton Bassett Parkway (Oxford to Swindon)
    - Option 1. West on Bristol line with new M4 Junc.16a Swindon Parkway
    - Option 2. East at M4 junc. 16 Swindon Parkway
  - Corsham (East-West Oxford to Bristol extension)
  - Devizes Parkway (Somerset, Berks. & Hants, Frome to Reading local service)