

## 7. Highways and Transport

The following representatives will be in attendance to give a presentation on their area of expertise in relation to highways and transport.

- Parvis Khansari, Associate Director Highways and Transport
- Martin Rose, Principle Traffic Engineer and CATG member
- Philip Whitehead, Portfolio holder Highways contract

A short Voxpops DVD will be shown

- Claire Walker, Colerne Parish Council

There will be an opportunity for questions at the end of the presentations.

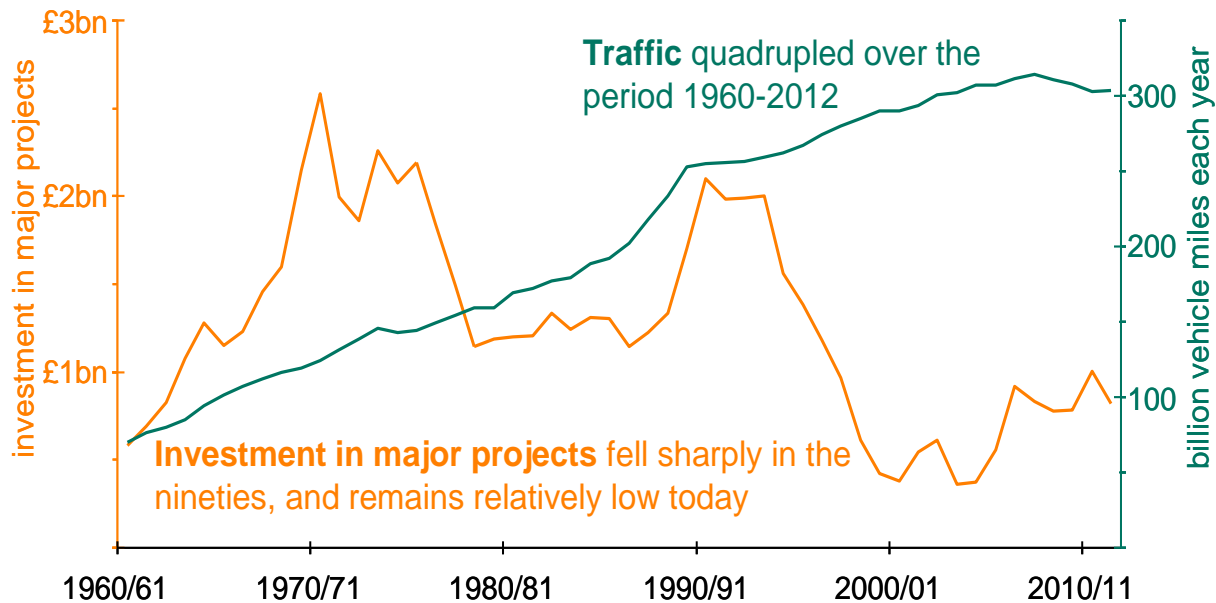
Parvis Khansari  
Associate Director Highways & Transport  
6<sup>th</sup> January 2014

# Maintenance of National Roads Network

- UK has a road based economy
- Legacy of underinvestment in recent decades with £10bn backlog of maintenance
- Ranked 24<sup>th</sup> in the world for quality of roads.

# The legacy

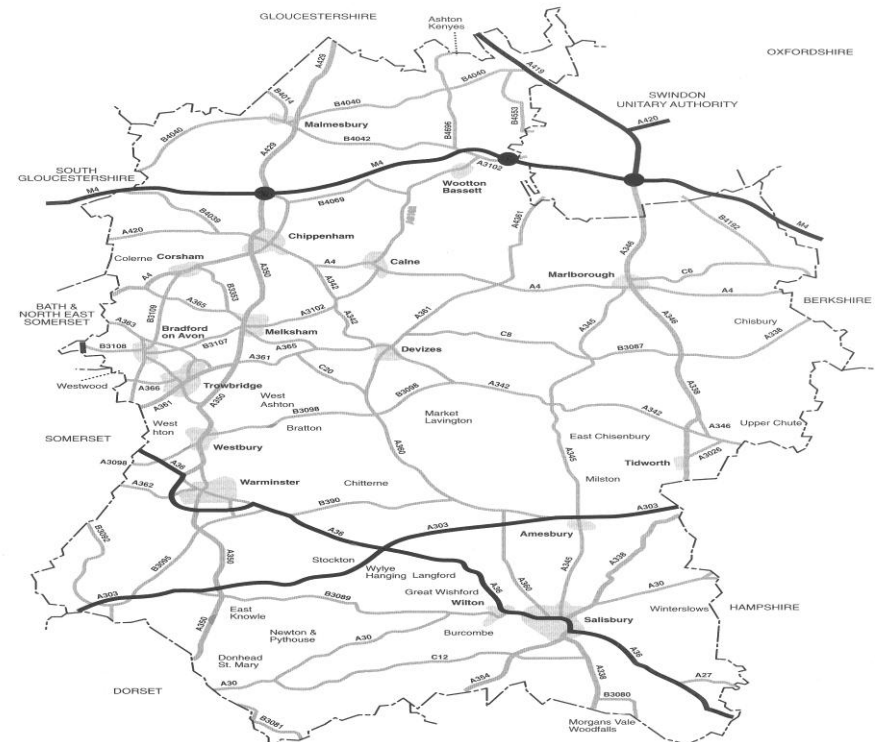
**Stop-go funding  
Legacy of Underfunding?**



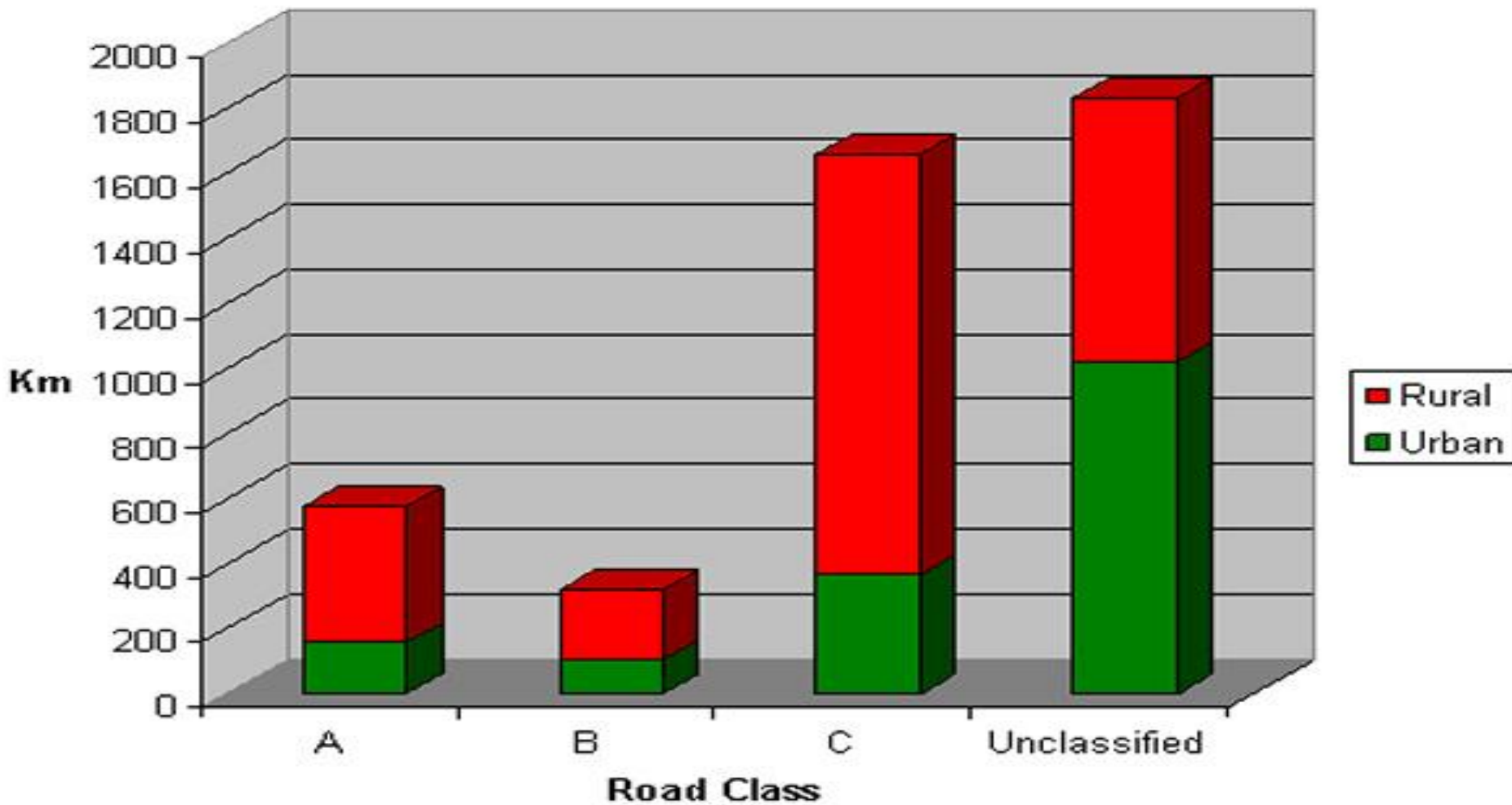
# Wiltshire's Highways Assets

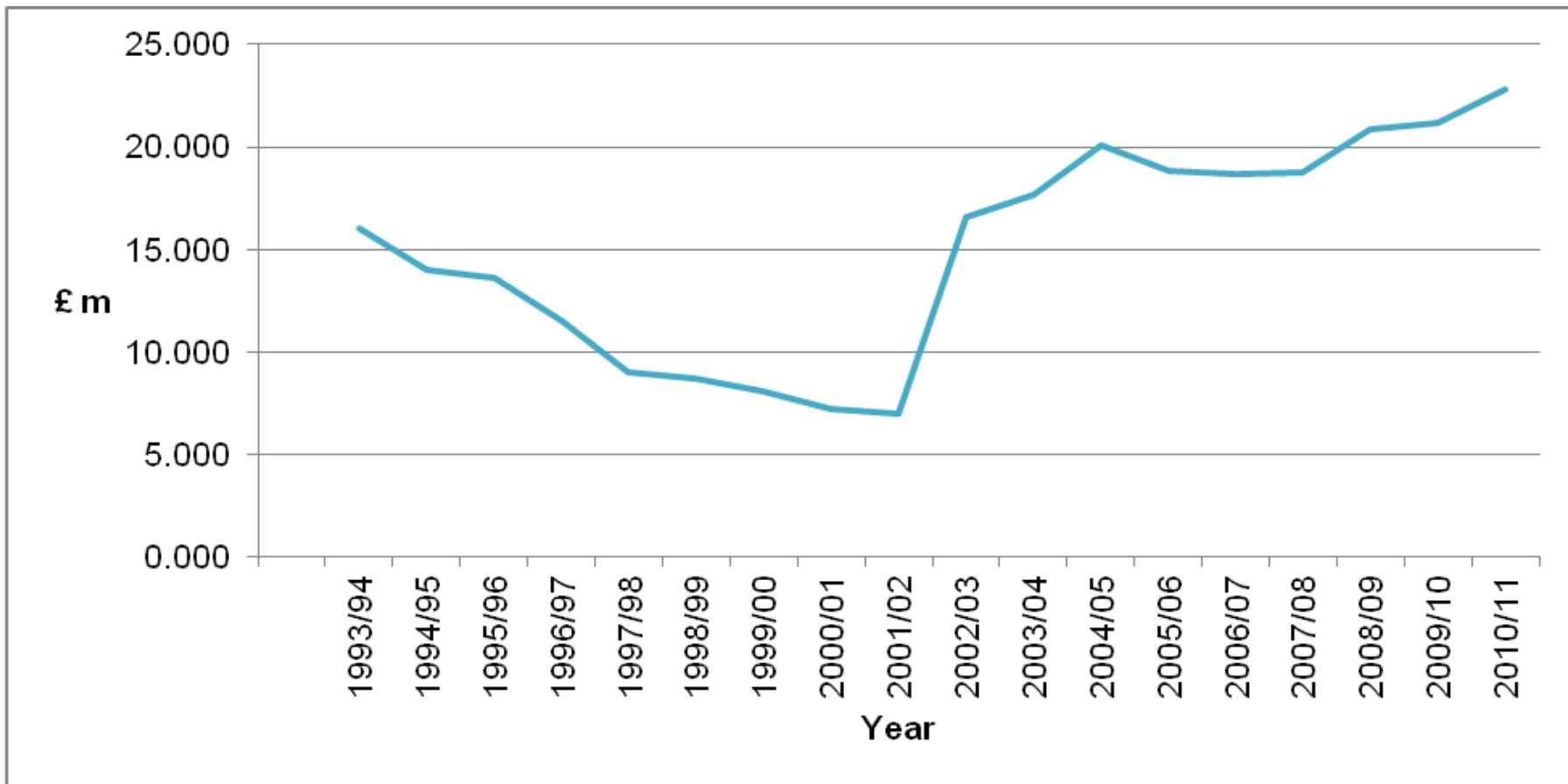
- Roads 4,400km  
(2,735miles)
- Bridges 981
- Footways 3.9 million sq m
- Street Lights 38,000
- Traffic Signals 150
- Road Signs 37,000
- Road Gullies 73,000

Asset Value £4.5 bn

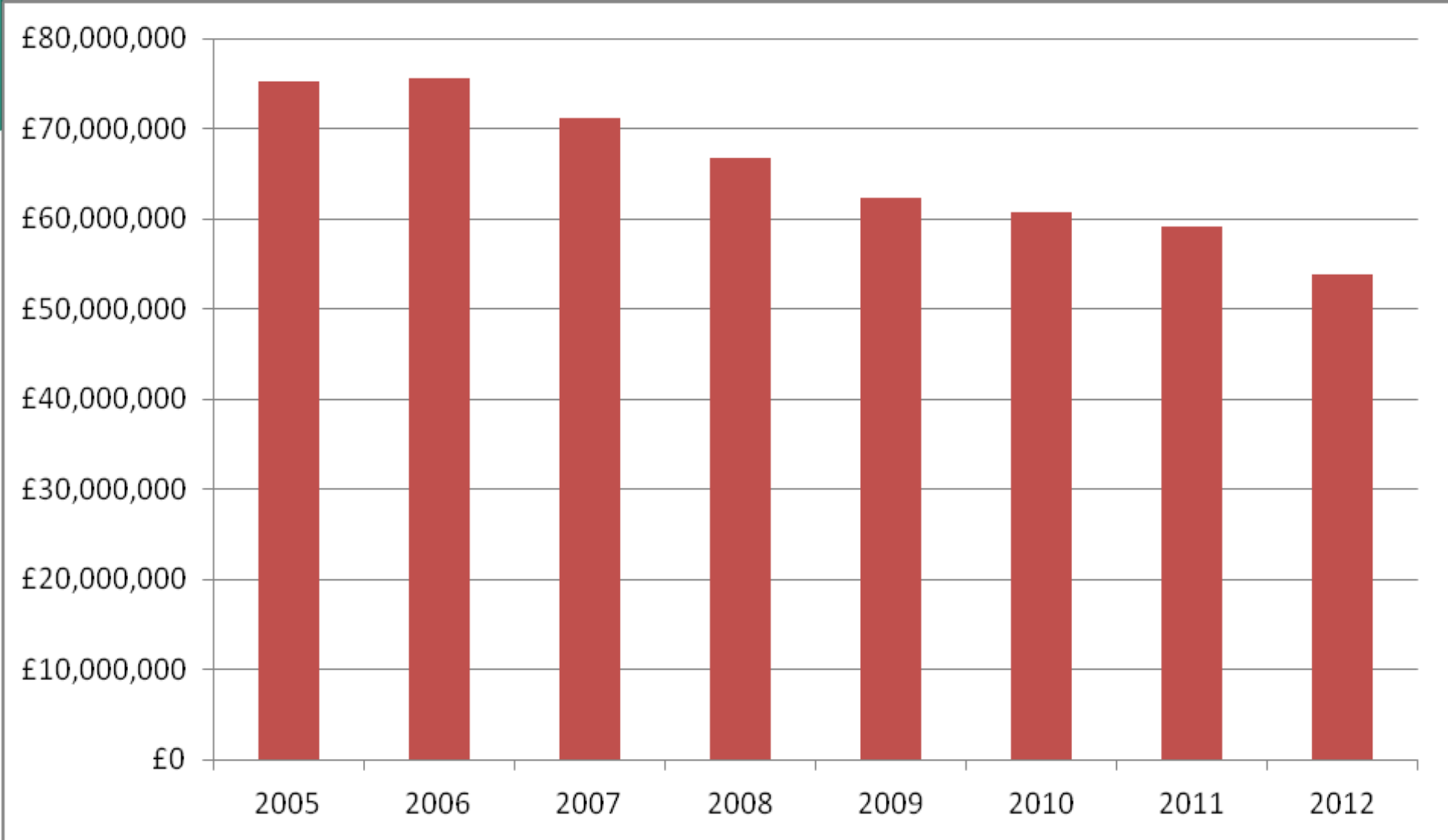


# Total Wiltshire Roads



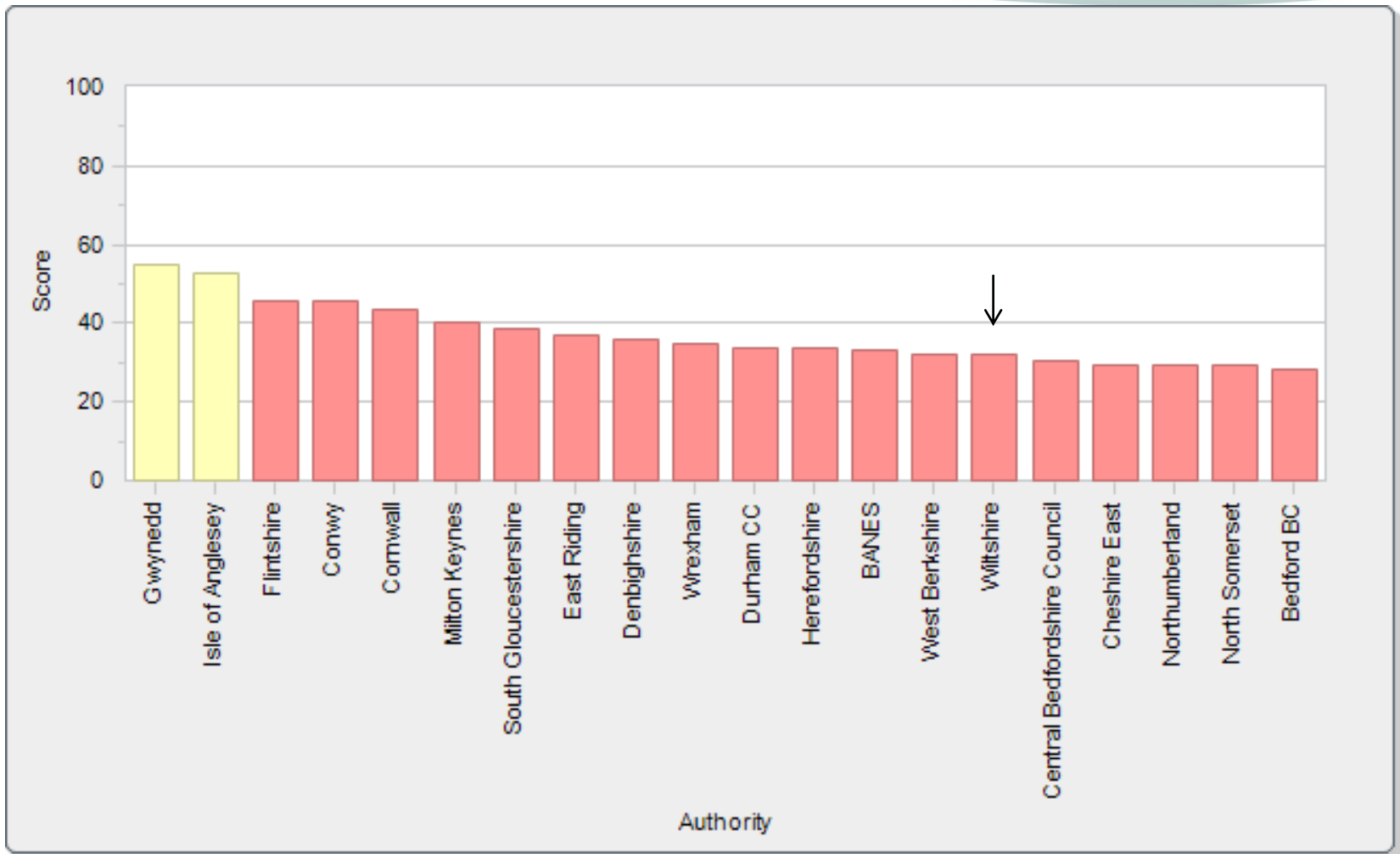


Highways Expenditure in Wiltshire 1993 - 2011



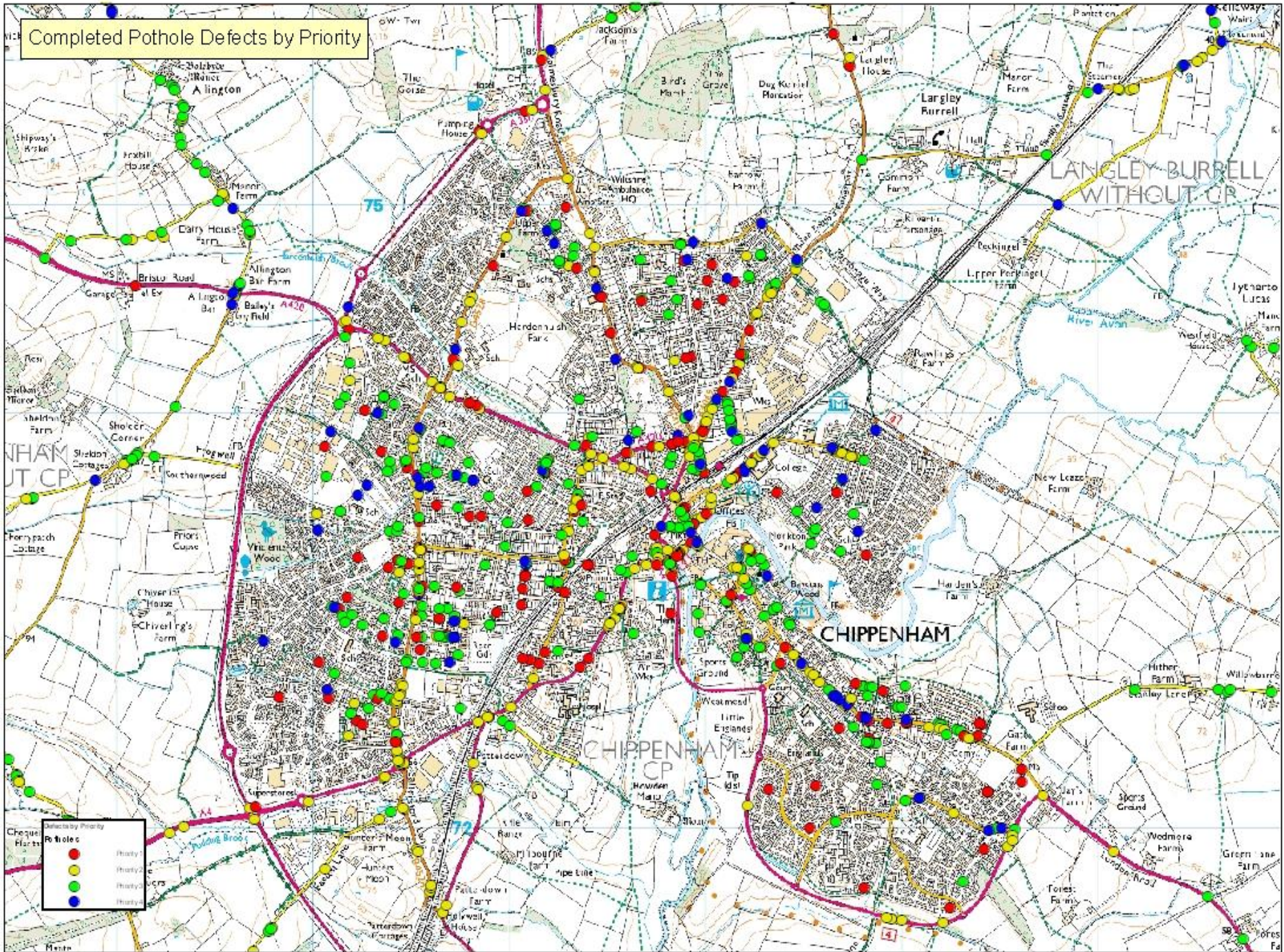
Roads Maintenance Backlog in Wiltshire







# Completed Pothole Defects by Priority





# Technical Surveys

## Types and frequency of surveys undertaken:-

SCRIM - 100% A, B, and some C and UC (Group 1 roads that are suitable for survey) approx 1010 kms

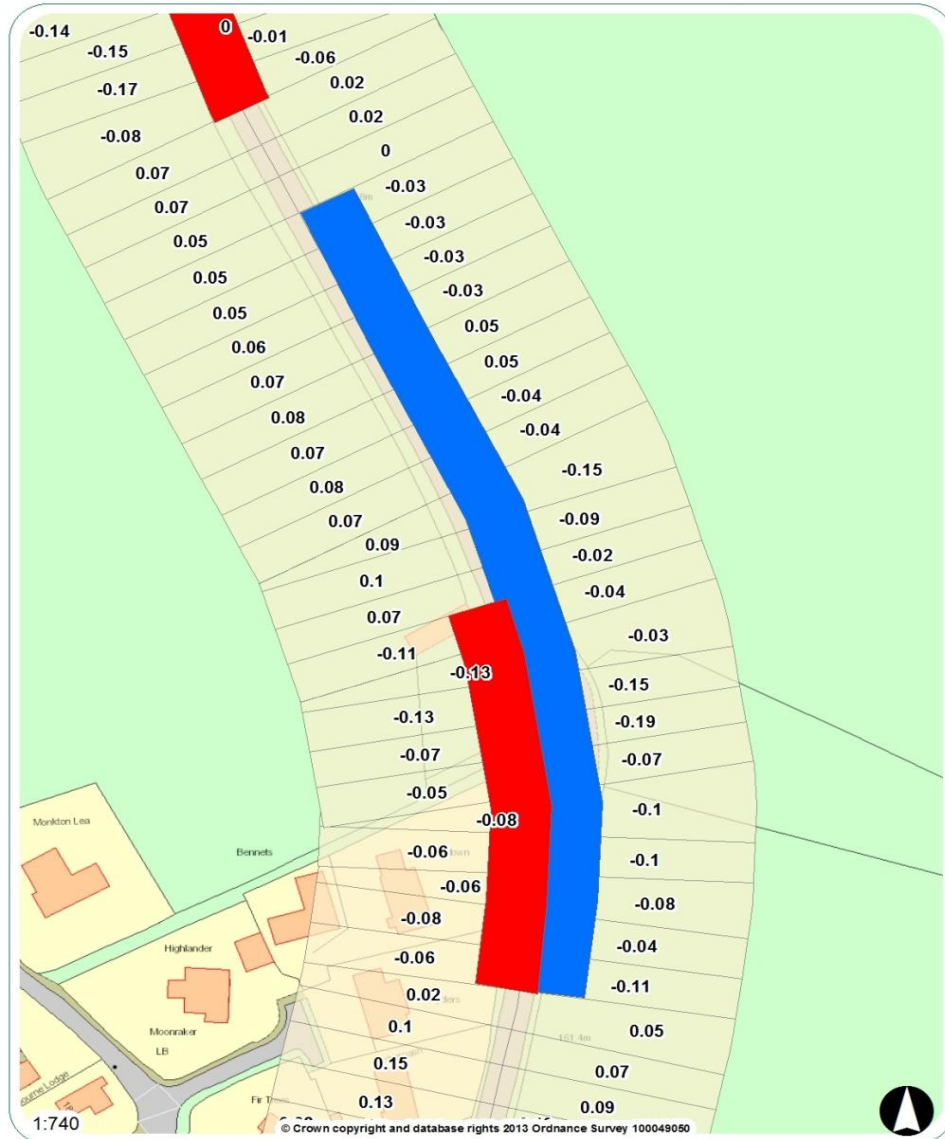
Scanner - 50% A roads per annum in both directions  
100% B roads per annum in one direction  
50% C roads per annum in one direction

CVI - 25 % UC roads per annum

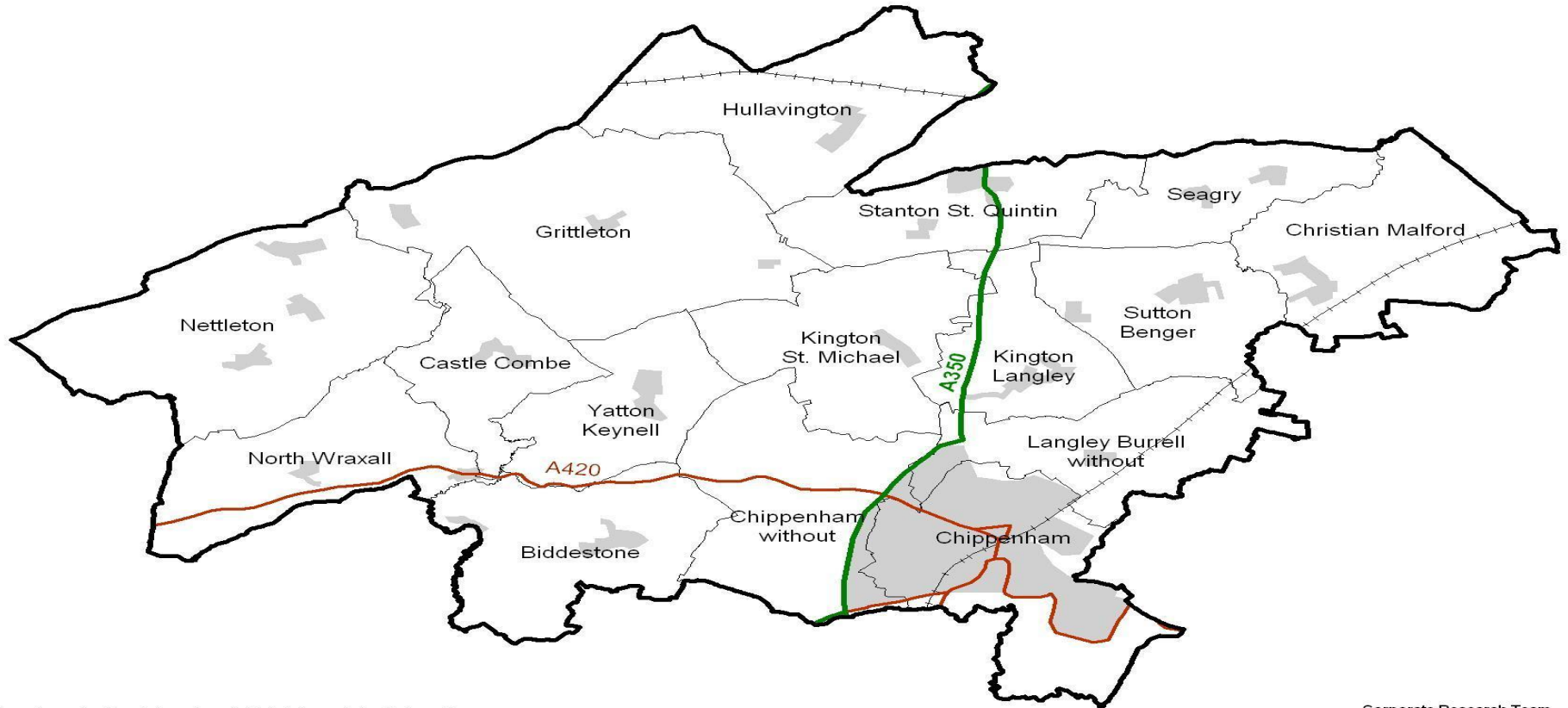
Deflectograph – approx 20% of A roads per annum in both directions

# SCRIM Scheme Generation

- Computer software is used to identify sufficient lengths for treatment.
- The identified programme of maintenance is checked against local knowledge within Area Officer.



# Chippenham Area Board



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Corporate Research Team  
Public Health and Wellbeing  
Wiltshire Council  
[www.intelligencenetwork.org.uk](http://www.intelligencenetwork.org.uk)

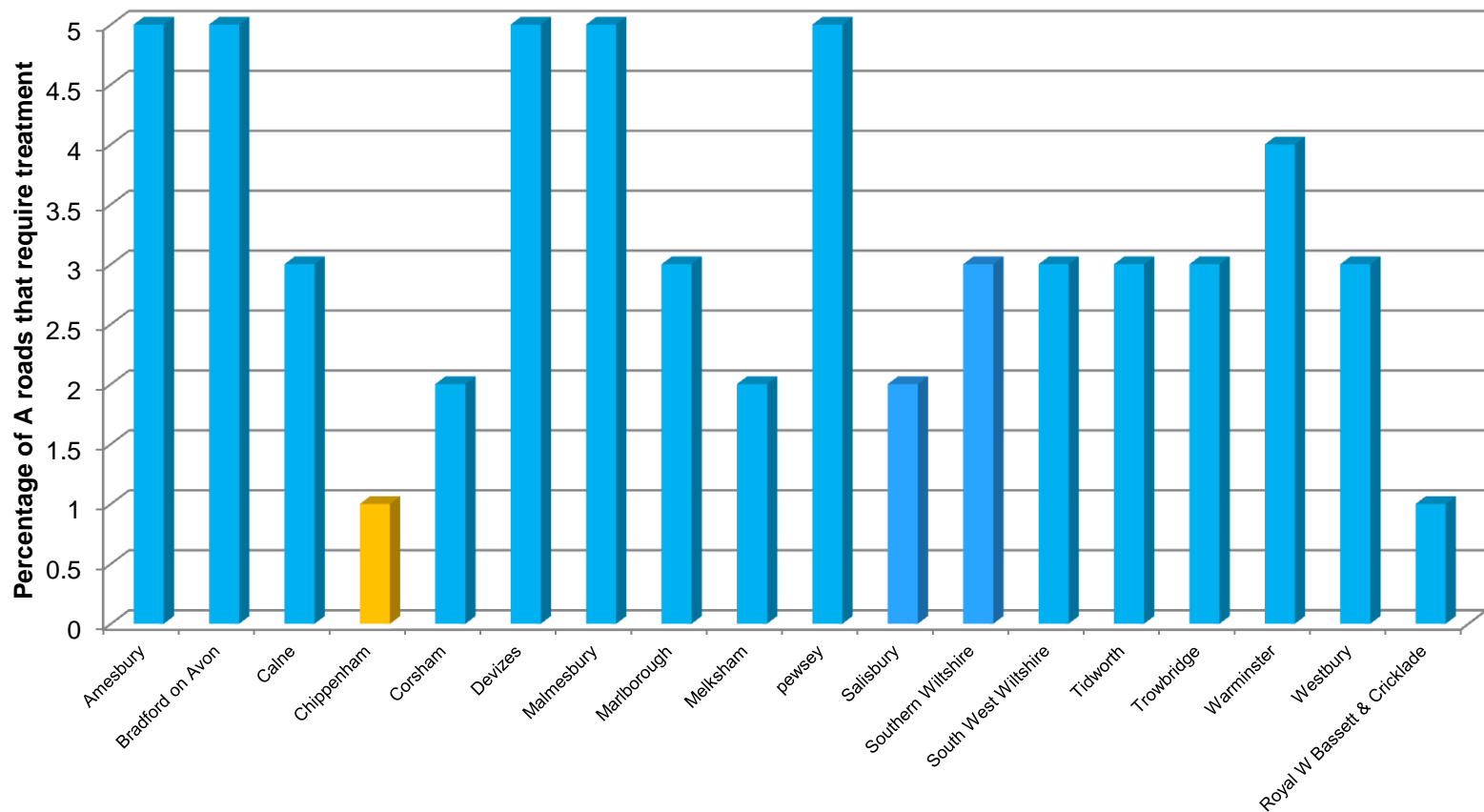
## Chippenham Area Board – Length of roads by Classification

Road type	Urban (km)	Rural (km)
<b>Principal roads</b>		
Class 1 (A)	6.60	31.35
<b>Sub total</b>	<b>6.60</b>	<b>31.35</b>
<b>Non principal roads</b>		
Class 2 (B)	13.91	15.33
Class 3 (C)	25.83	123.70
Class 4 (UC)	110.03	52.32
<b>Sub total</b>	<b>149.77</b>	<b>191.35</b>
<b>Total</b>	<b>156.37</b>	<b>222.70</b>

## Chippenham Area Board – Length of roads by Group

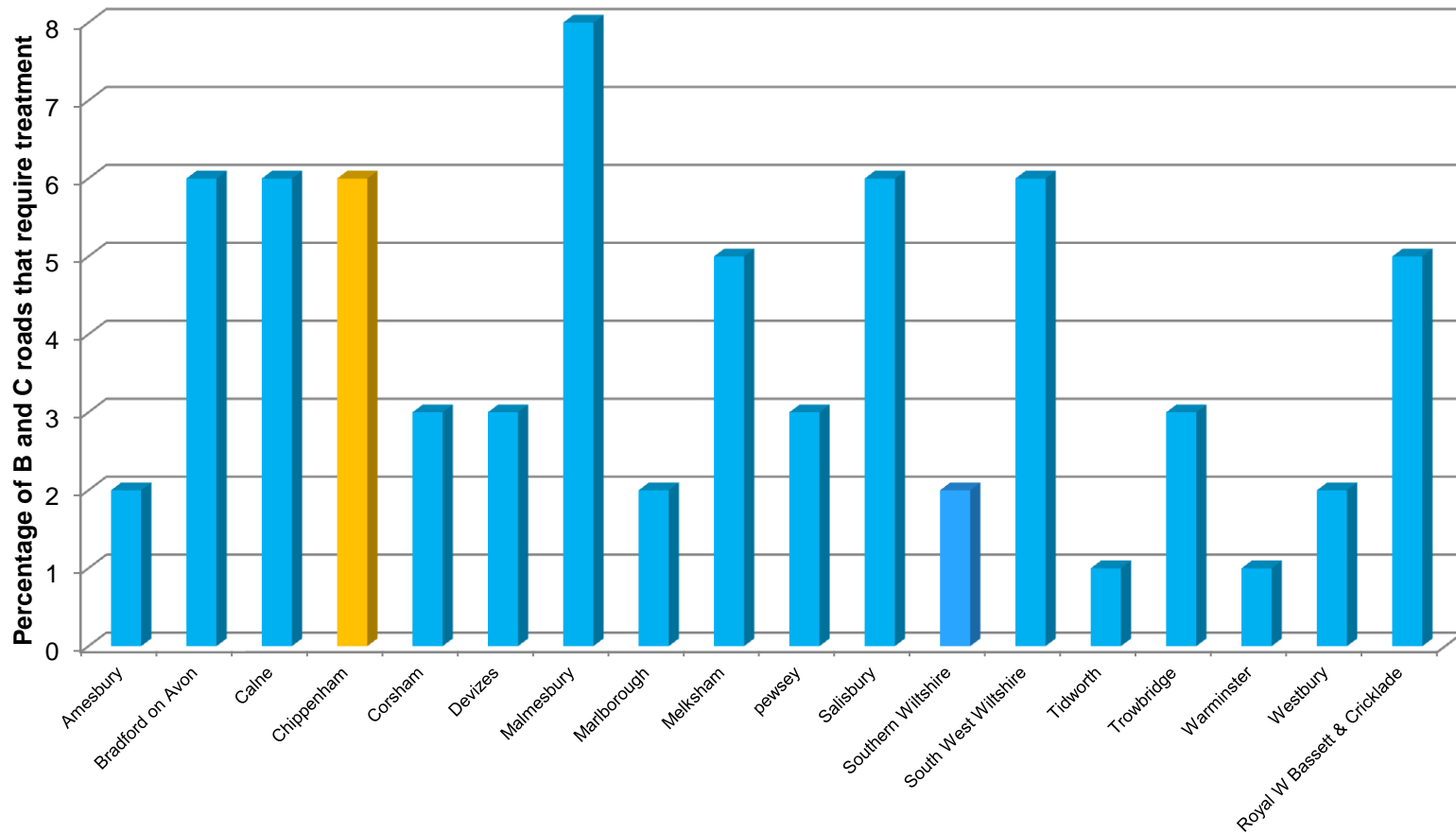
Road group	Urban roads (km)	Rural roads (km)
Group 1	28.16	48.91
Group 2	21.66	119.47
Group 3	106.55	54.32
<b>Total</b>	<b>156.37</b>	<b>222.70</b>

- Condition of A Roads by Area Board

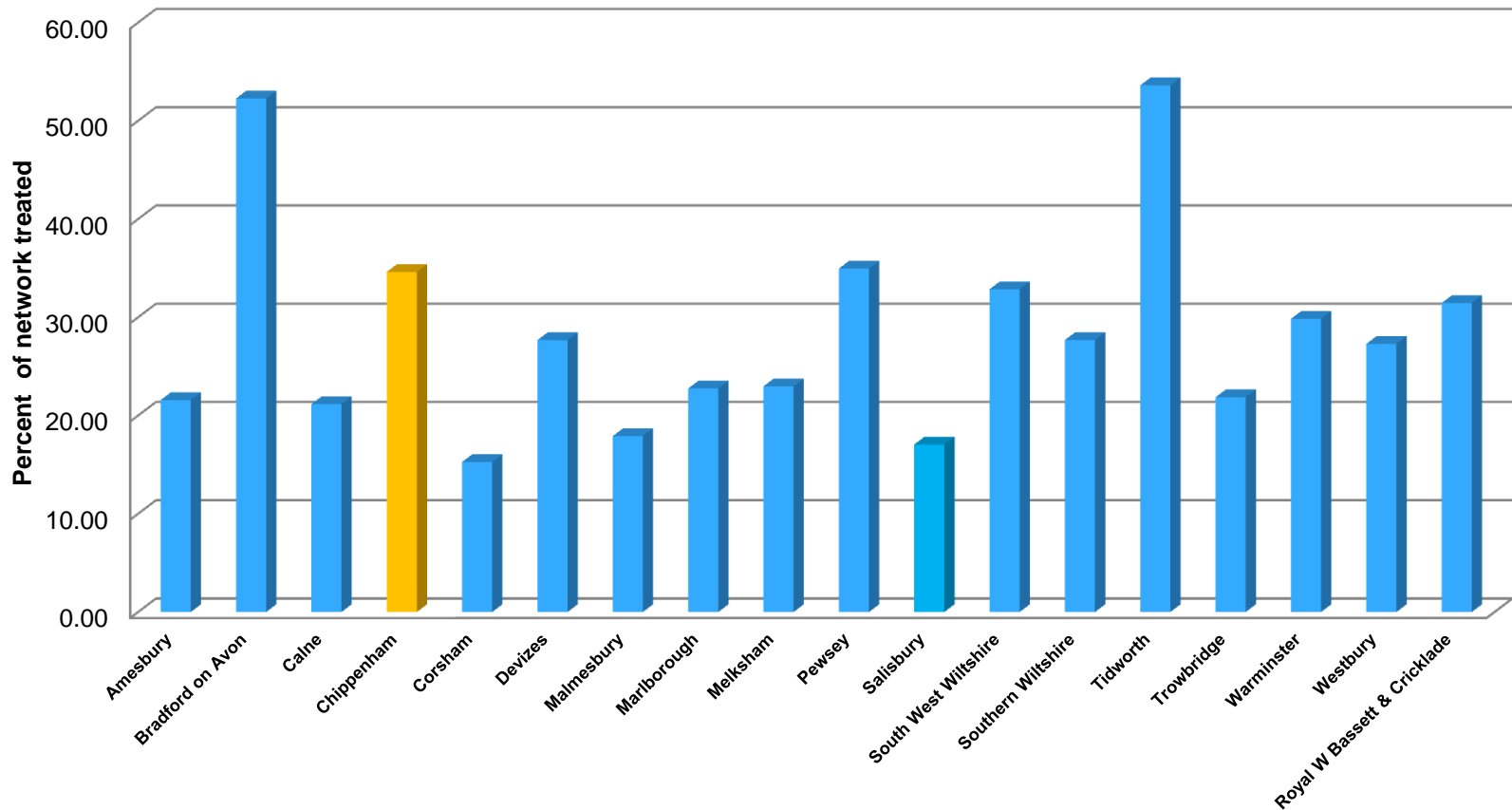




## Condition of B & C Roads by Area Board



## Area Boards – Percent of network treated in last 5 years



# Maintenance Schemes 13/14

- Slaughterford – C179 Thickwood Lane to Weavern Lane – Carriageway Repairs
- Sutton Benger – B4069 High Street – Micro Asphalt
- Christian Malford – B4069 Main Road – Micro Asphalt
- Chippenham – B4069 Langley Road – Resurfacing
- Sutton Benger – Westlake Place Estate – Resurfacing
- Chippenham – A350 Bumpers Farm Roundabout – Retexturing
- Chippenham – A350 Chippenham (Morrisons) – Retexturing
- Chippenham – A350 Brook Roundabout – Retexturing
- Chippenham – A350 Malmesbury Road Roundabout North to Start Dual – Skid Resistance Improvements

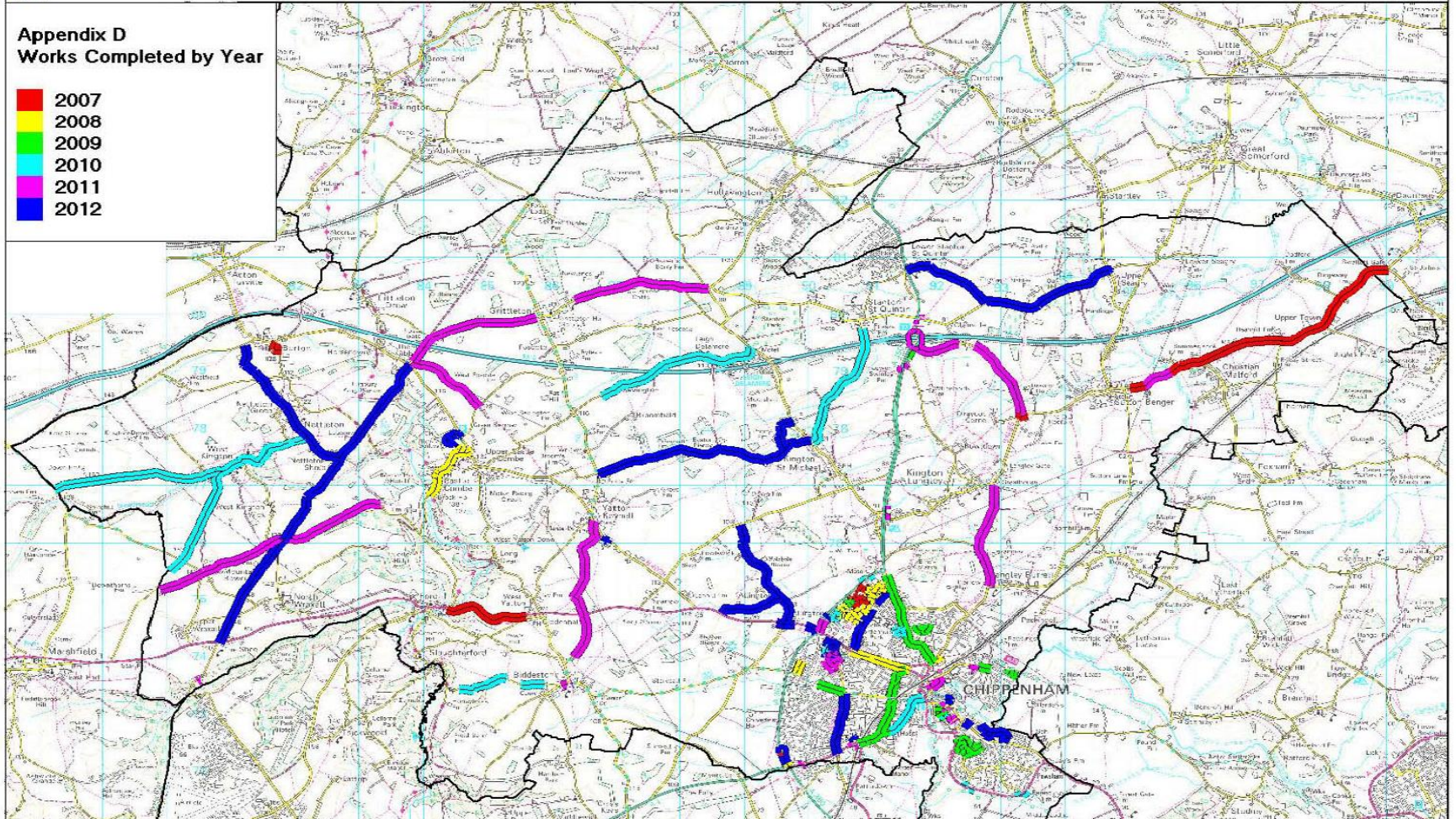
# Maintenance Schemes 13/14

- North Wraxall – A40 County Boundary (Star Farm) to C71 The Shoe Crossroads – Skid Resistance Improvements
- Chippenham – A420 End of Dual Carriageway to C180 (Allington Crossroads) – Skid Resistance Improvements
- Chippenham – A4 Pewsham – Skid Resistance Improvements
- Sutton Benger – B4069 Draycot to Dauntsey Lock – Surface Dressing
- Christian Malford – B4069 East of Christian Malford – Treatment to be confirmed
- Christian Malford – B4069 Northeast of Christian Malford – Treatment to be confirmed.



### Appendix D Works Completed by Year

- 2007
- 2008
- 2009
- 2010
- 2011
- 2012



# Potential Sites for Treatment 2014/15

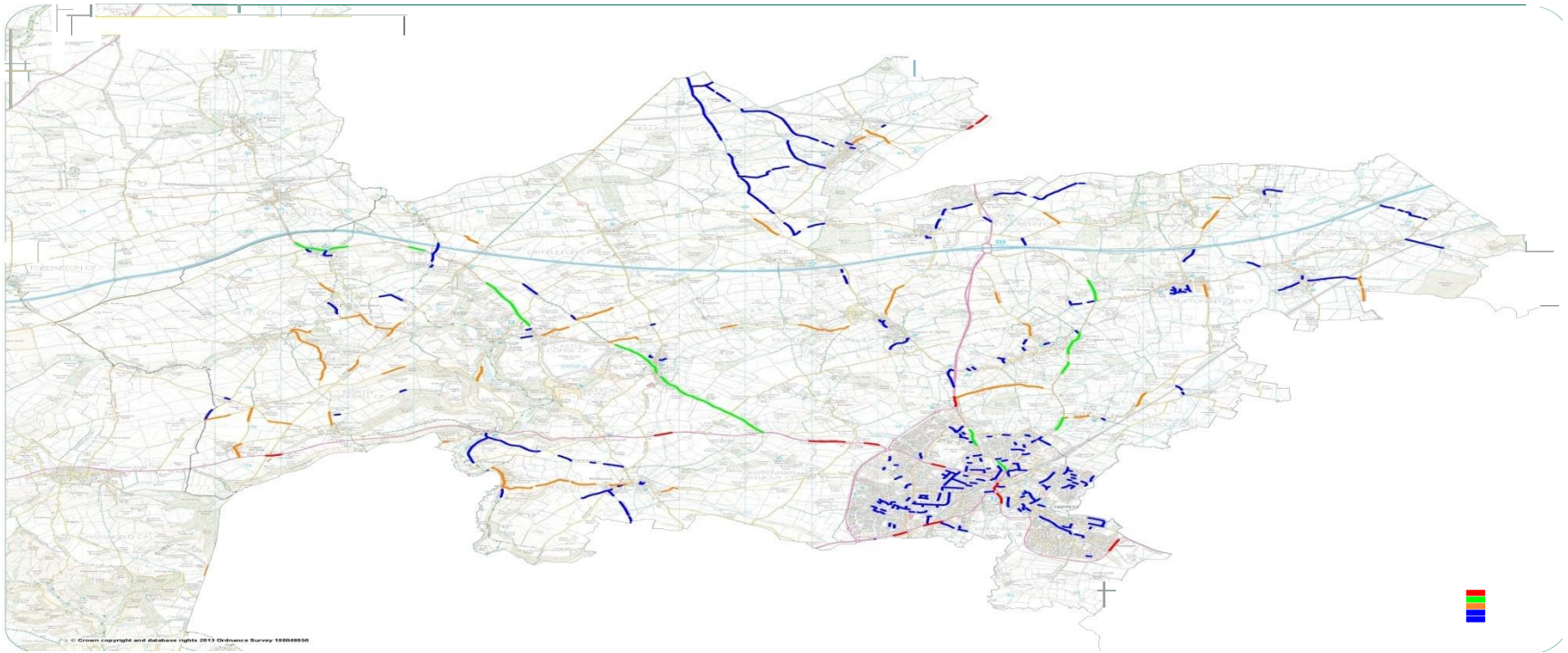
- U/C Parklands, Hullavington
- U/C Nettleton Loop
- U/C Ford to Biddestone
- U/C Chippenham A3350 Dual Slip Road to Plough
- U/C Biddestone, Weavern Lane
- U/C Chippenham, Lords Mead
- U/C Jacksons Lane
- C367 Station Hill / Cocklebury

# Potential Sites for Treatment 2014/15

- A420 Bristol Road, Bumpers Farm Roundabout, Chippenham
- B4122, Junction 17 MJ4
- C86, Yatton Road, Biddestone
- C86 Biddestone Road, Biddestone
- B4039 Horsedown, near Littleton Drew



# Potential Future Road Maintenance Sites 2014 - 2020





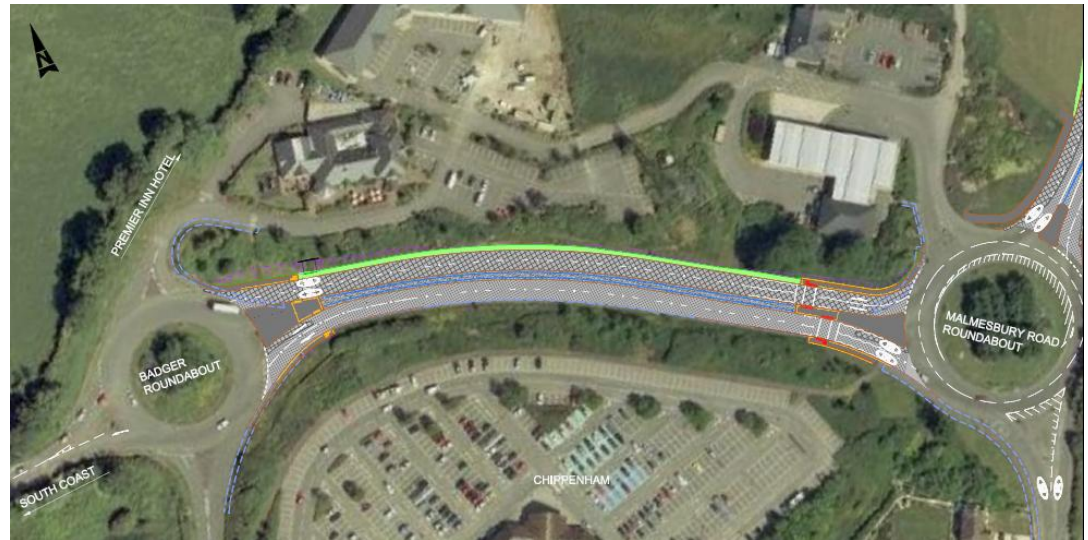
# A350 Dualling North of Chippenham

In early 2013 a funding application was submitted to the Department for Transport (DfT) within the Local Pinch Point Fund (LPPF).

Work to improve traffic flow is due to start in early 2014 with major work by utility companies to divert their services, followed by the main dualling work by the council.

The improvement to the A350 at Chippenham will see:

- The dualling of the A350 in both directions on Malmesbury Road to the roundabout
- Improvements to the Malmesbury Road Roundabout
- The dualling of the A350 West Cepen Way in both directions between Malmesbury Road and the Badger Roundabouts
- Small alterations to the Badger Roundabout



## A350 Dualling North of Chippenham

During construction a 30mph limit will be in place to ensure the safety of the site staff, and will allow us to keep the road open to two-way traffic throughout.

There will be a series of overnight closures to allow specific items of work to be carried out safely.

The budget for the project is £2.722m, with a contribution of £1.905m from the DfT and hopes to deliver the benefit of less congestion and greater journey time certainty and saving in journey time of one and a half minutes cuts from the average journey and an estimated annual gross value for Gross Added Value to local economy of £5.9 million through the creation of additional jobs.











Bill Parks

Service Head Local Highways and Streetscene North

# Service Provision

Pre June 2013

Post June 2013

## Client

- WC Highways
- WC Streetscene

## Operations

- WC 'In House'
- Ringway
- English Landscapes
- BBLP (Street Lighting)

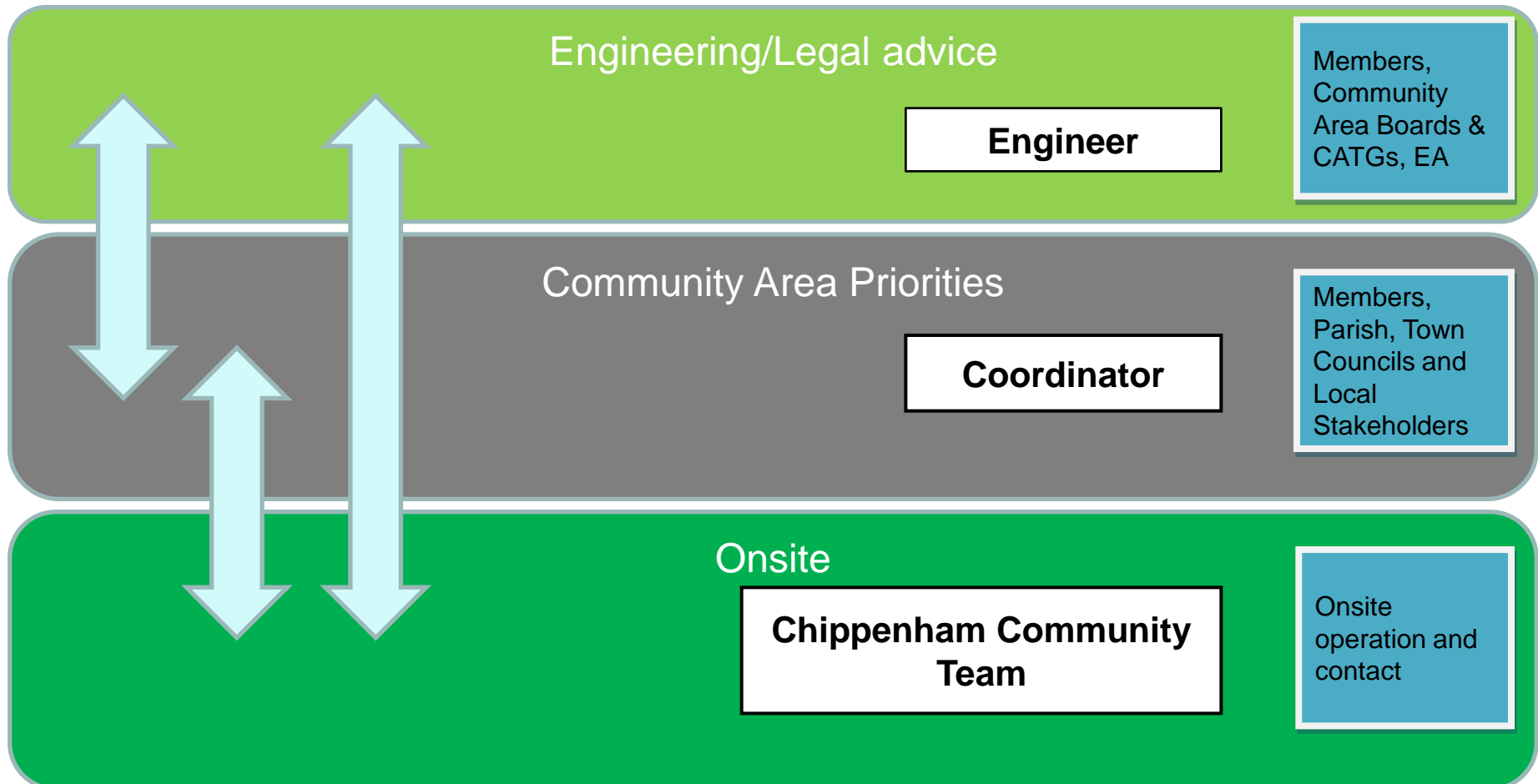
## Client

- WC Highways & Streetscene

## Operations

- BBLP

# New Structure



# Key Staff



Chris Clark  
Western Area Manager



Richard Dobson  
Chippenham Area  
Coordinator



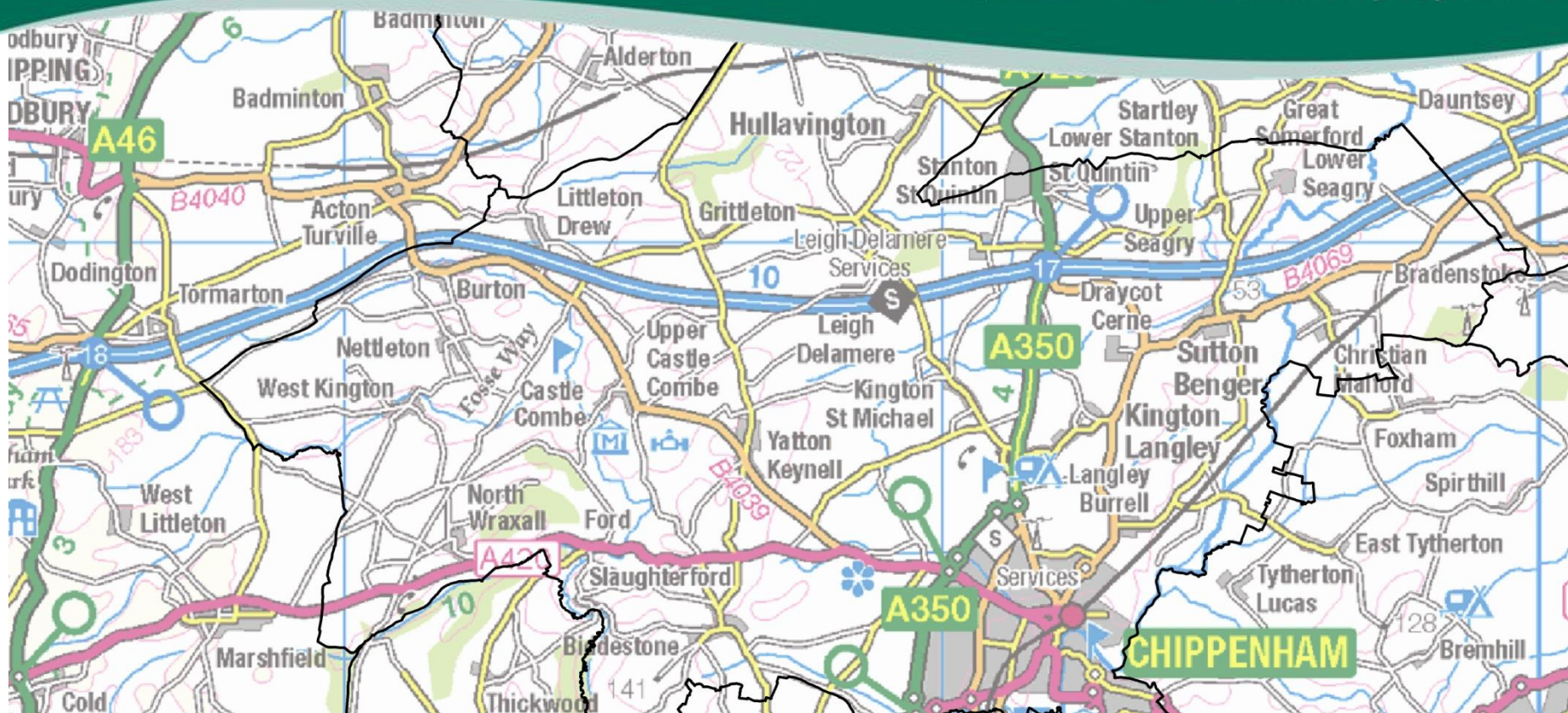
Paul Bollen  
Area Engineer

# How to contact us

- To report Local Highways and Streetscene Service issues 0300 456 0105
- My Wiltshire online  
[www.wiltshire.gov.uk/parkingtransportandstreets/roadhighwaysstreetcare](http://www.wiltshire.gov.uk/parkingtransportandstreets/roadhighwaysstreetcare)
- Download the App  
To report on the go using your smartphone. The MyWiltshire app is available to download at both the [App Store](#) (for iPhones and iPads) and from [Google Play Store](#)™ (for Android phones).







## Chippenham - Community Area Transport Group

Martin Rose IEng FIHE MCIHT

Principal Traffic Engineer – Highways & Transport

Wiltshire Council

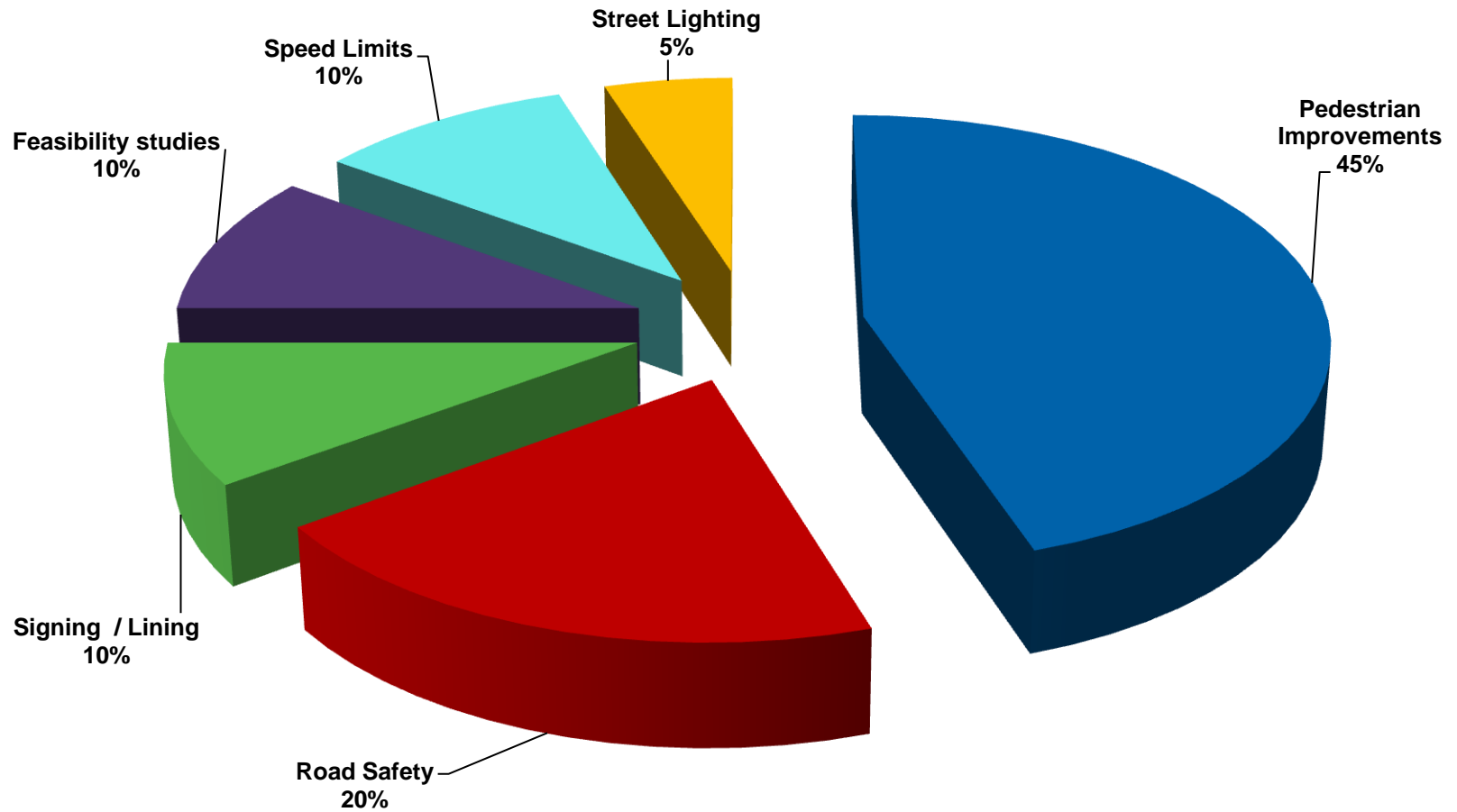
## Background

- Community Area Transport Groups (CATG) formed in 2010 across all 18 Area Boards.
  - Meeting held at least four times per year (approx every 3 months)
  - CATG's made up of members of the Area Board, representatives from Town & Parish Councils & community representatives. Highway officers from Wiltshire Council provide technical advice and support the group.
  - Annual budget of **£250k** divided between each CATG. Allocation based on geographical size & population within each respective Area Board.
-

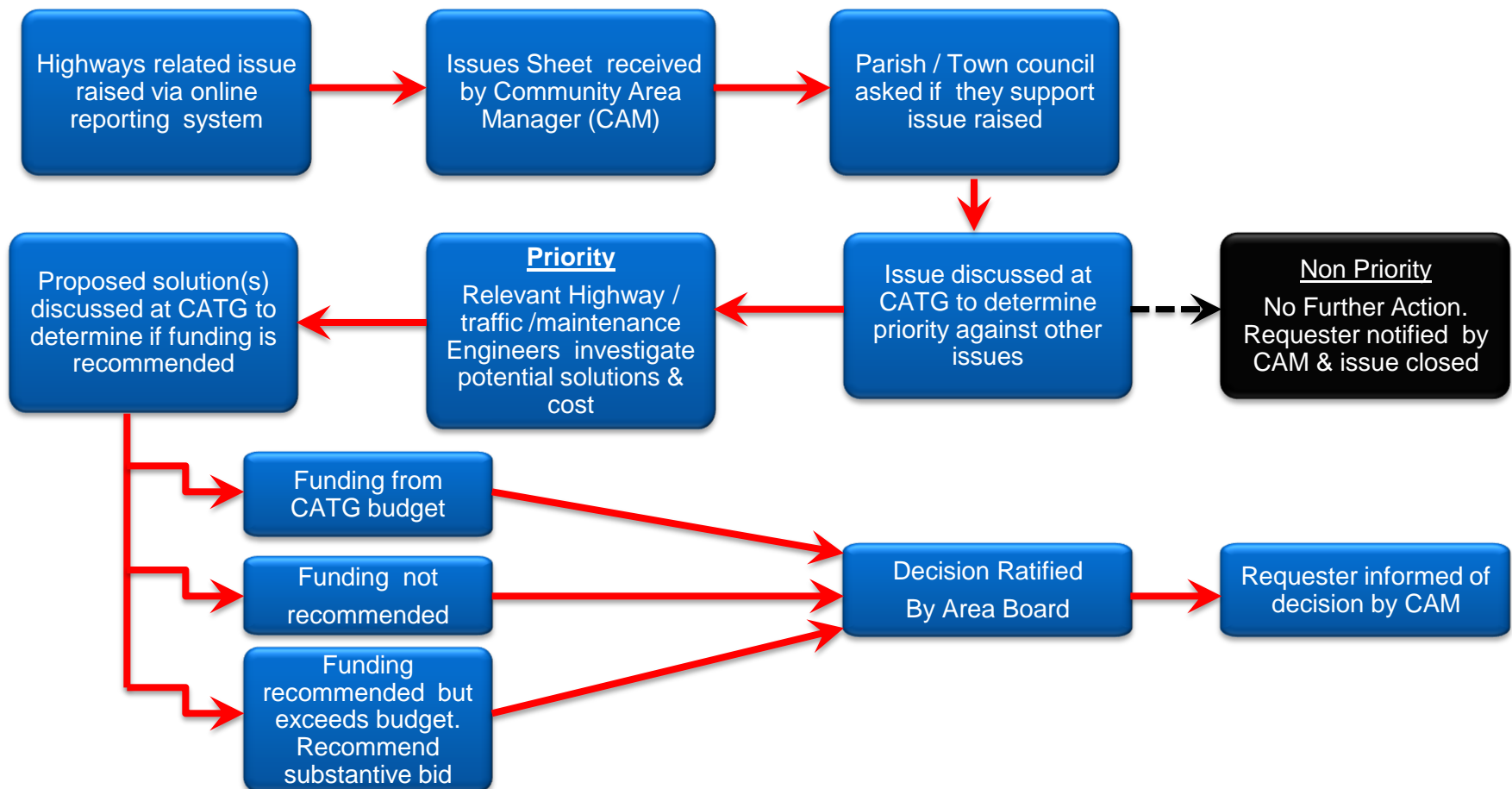
## Chippenham CATG

- Chippenham CATG has the largest budget at **£18,087**. Allocation can be topped up with additional Area Board monies and contributions from town / parish councils.
- Since 2010 the CATG, along with town and parish councils, have funded the implementation of '15' highway schemes at a cost of approx **£87k**.
- In 2013/14 there is a commitment to fund a further '9' schemes at a cost of approximately **£25,000**. Some of the proposed schemes include:
  - **Langley Road** (new footway & crossing)
  - **Lowden Hill Tunnel**, (Pedestrian & Signing Improvements)
  - **Kington St. Michael Road** (Footway / Bus stop Improvements)
  - **Lowden Tunnel** (Shuttle Signals Feasibility Study)

## CHIPPENHAM CATG - SPEND BY PROJECT TYPE



## How does the CATG manage new requests?







Langley Road - Footway Link & crossing point  
**BEFORE**



Langley Road - Footway Link & crossing point  
**AFTER**

Cllr Philip Whitehead  
Portfolio Holder Highways Contract





THE WILTSHIRE WAY

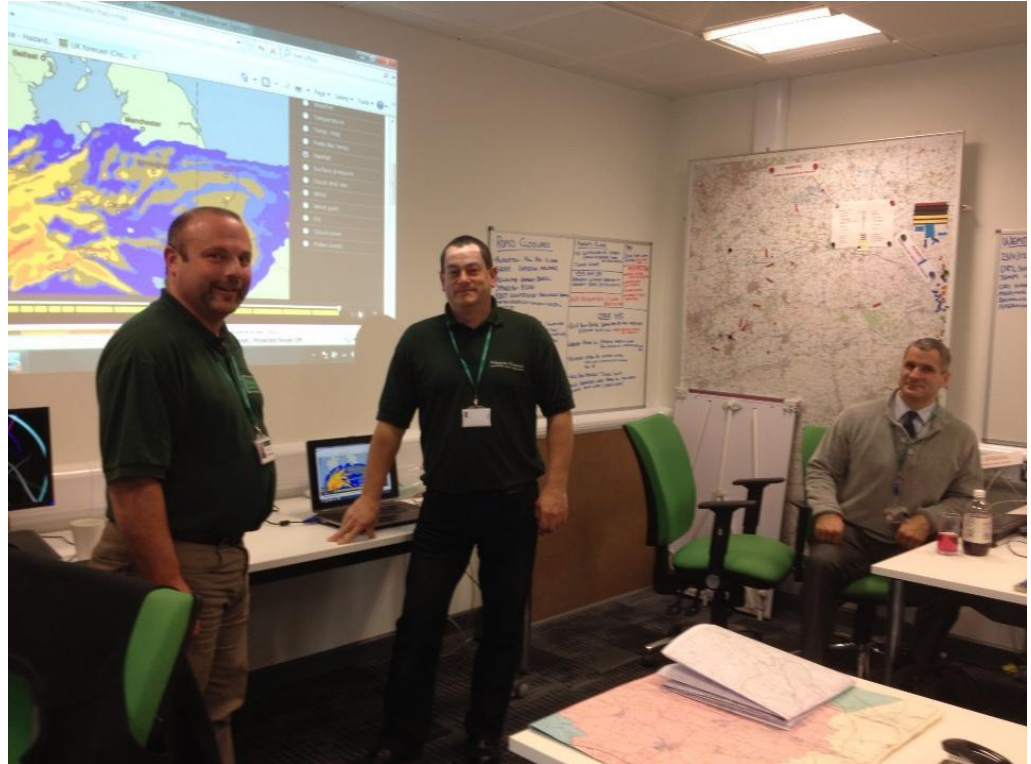
# Why do we treat the highway ?

- **We have a Duty to ensure, so far as reasonably practicable, that safe passage along a highway is not endangered by snow or ice (Section 41 (1) (1A) Highways Act 1980 amended by Section 111 of Railways and Transport Act 2003)**
- **Section 13 of Well Maintained Highways: Code of Practice for Highway Maintenance Management from UK Roads Liaison Group recommends we produce and develop a plan and review it yearly for winter service.**



# Staffing

- Duty Engineer
- Duty Officer
- Media Officer
- 4 Duty Supervisors
- 24 Drivers



# Information from Weather Stations

- Wind Speed
- Wind Direction
- Deep Road Temperature
- Surface Temperature
- Surface Condition
- Salinity of the road surface
- Dew Point
- Forecast Graphs

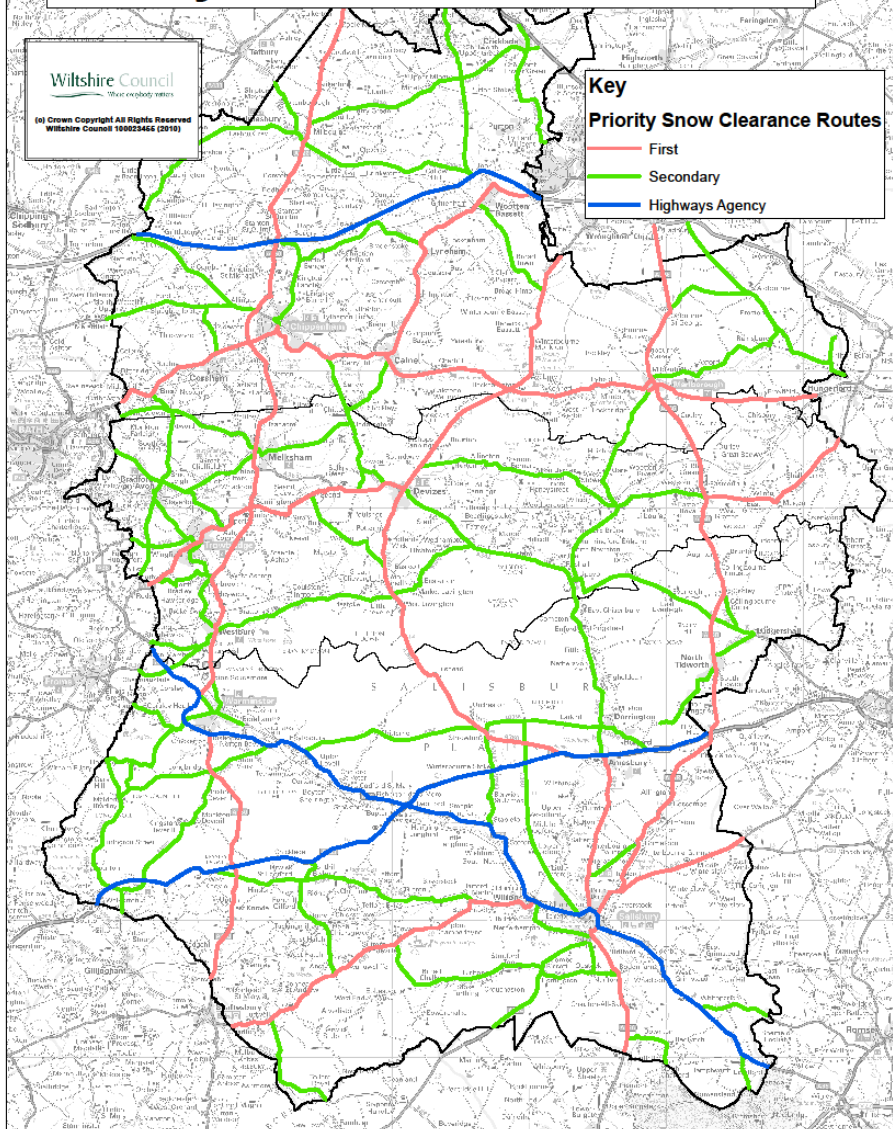




# Routes

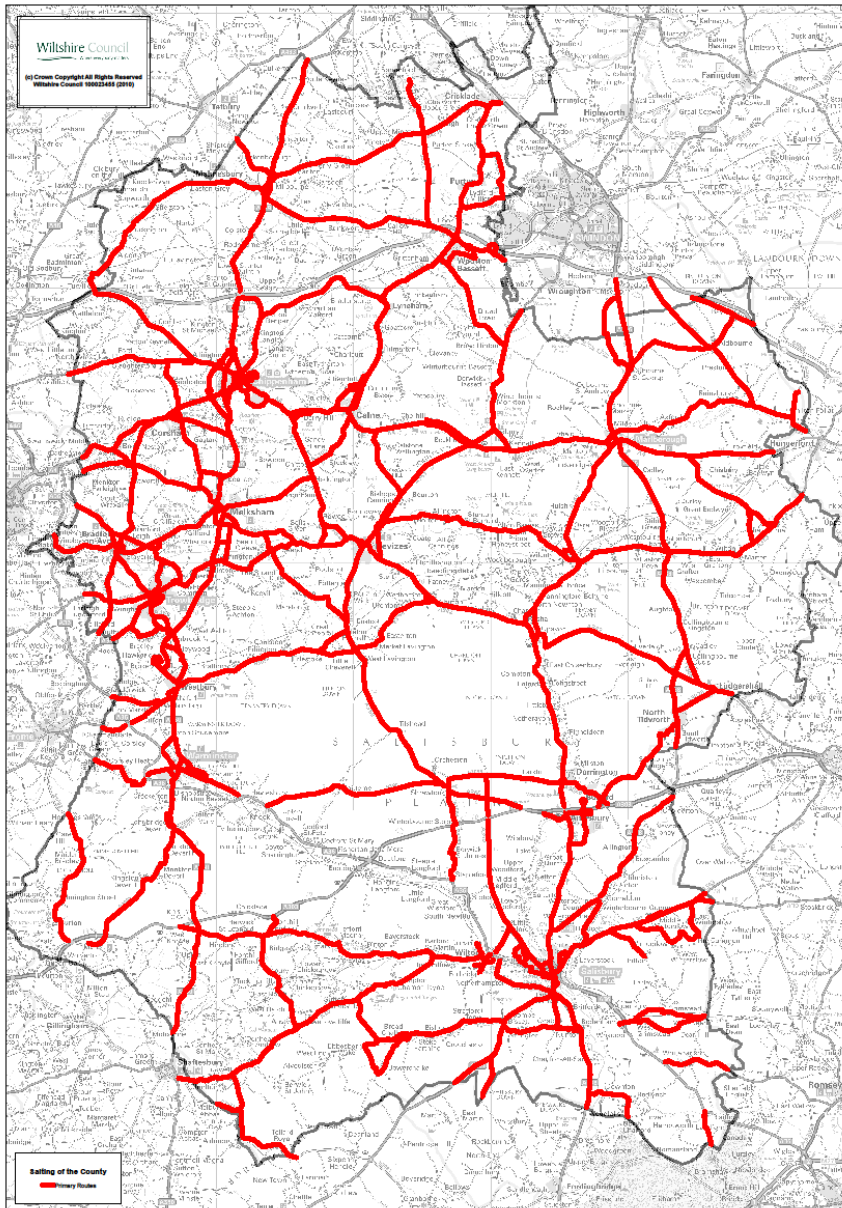
- 8 Strategic Routes (Minimum Network)
- 24 Primary Routes (2hr Treatment Time)
- 24 Secondary Routes (2hr Treatment Time)
- 40 All Routes (2hr Treatment Time)
- Community Routes
- Footway Routes
- We have cross border agreements where appropriate with our neighbouring Councils.

# Priority Snow Clearance Routes



## Strategic Routes

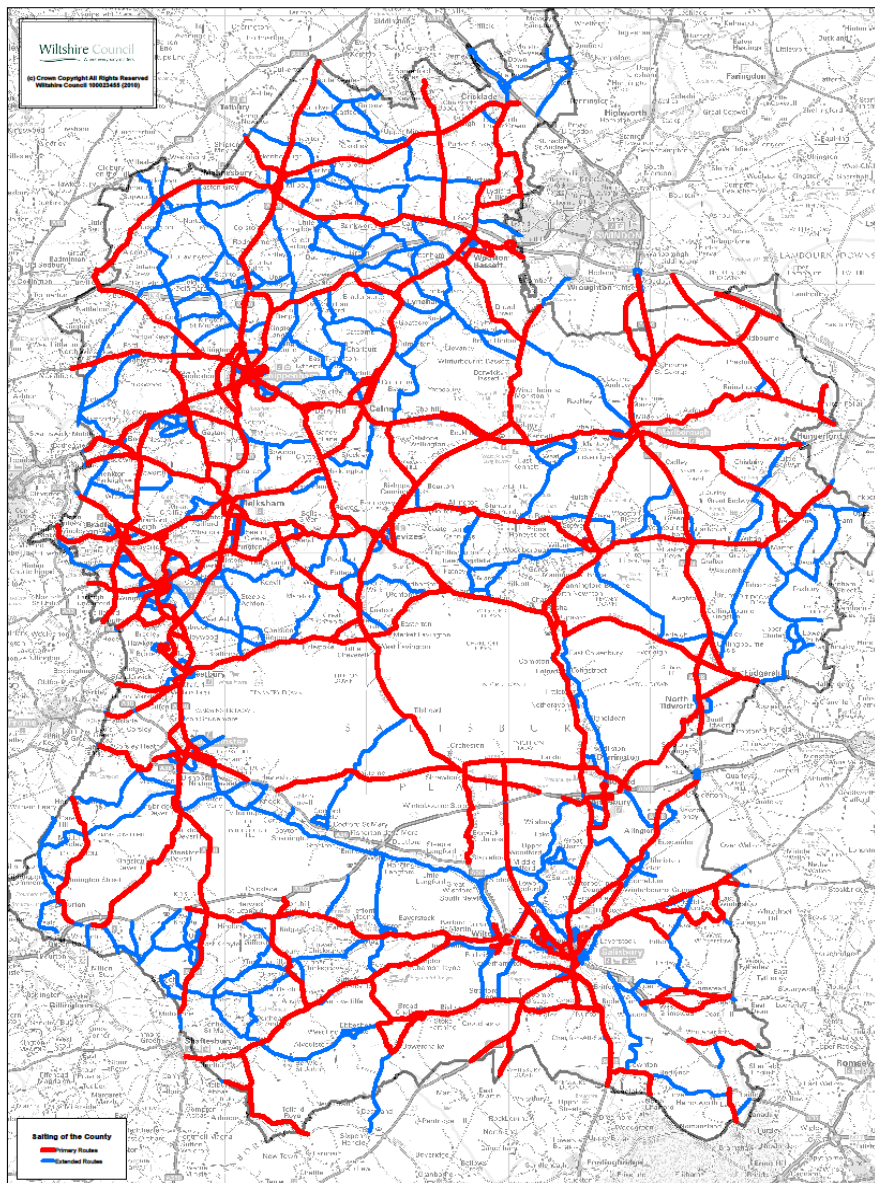
- Red = 1<sup>st</sup> Priority
- Green = 2<sup>nd</sup> Priority
- Blue = Highways Agency's Responsibility



# Primary Routes

- 24 Routes
- 1175Kms Treated
- 25% of total network)
- Using150 tonnes
- 2hr treatment time

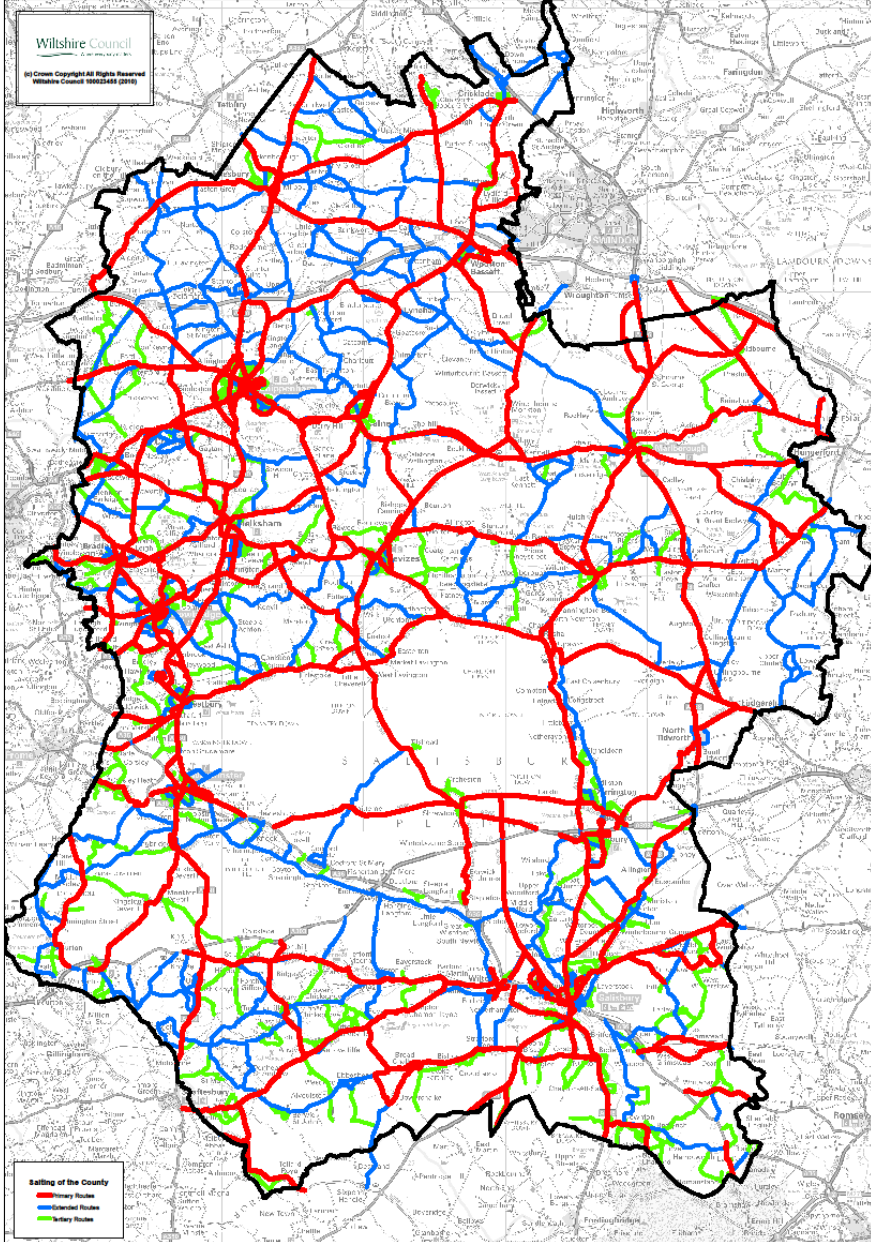




## Secondary & All Routes

- 24 Secondary Routes
- 40 All Routes
- 2990 Kms.
- Additional 1815Kms
- 50% of the network
- Using approx 250 tonnes
- 2hr treatment time





# All Routes and Community Routes

# Salt – Stock Holding 14000t

- Chipp: 2000t
- RWBSS: 1000t
- SemSS: 4500t
- MarlSS: 1500t
- WarSS: 1000t
- HPSS: 1500t
- MereSS: 2000t
- Wilton: 500t



# Fleet

- 24 Frontline vehicles
- 40 Vehicles for extended all route salting
- 8 On Standby for breakdowns
- 4x4 Support
- TMC provide support vehicles
- 6 Unimogs and demountable vehicles







SPREADING

G 5076

Wiltshire Council  
Where everybody matters

RX56 CZJ

Wiltshire Council  
Where everybody matters

DAF

LF

5012 R9 MMX





UNIMOG

UNIMOG

LINHACHS

AE07 EBP



# Snow Areas

- Geographic size of areas based on Risk
- Staff deployed to nearest depots
- Additional resources



# Farmers

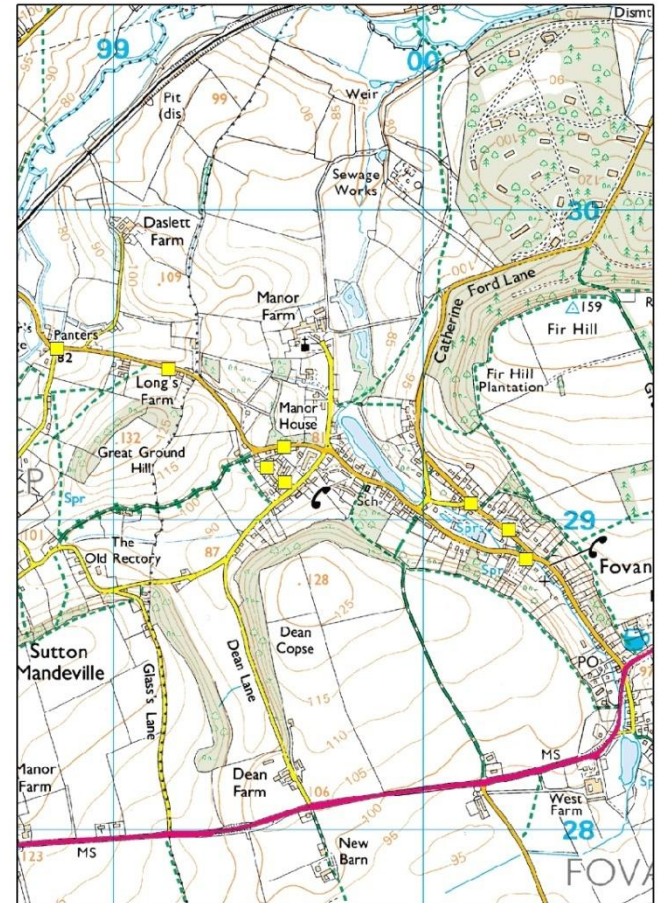


- Approx 130 farmers
- Mostly issued with our equipment
- Procedure to follow and must be authorised to work



# Salt Bins

- The council has 1,600 salt bins around the county
- To fill all the bins uses approx 900 tonnes of salt
- Salt Bins are plotted on our Mapping System, and labelled





# Local Community and Council working together

- Parishes have 1t bag
- Developing a Snow Warden Scheme
- Parish Plans
- Self help
- Provide spreaders
- Training
- Support
- Manage parish salt bins









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Thank you, any Questions

# Colerne Parish Snow Plan

By Claire Walker



# Scope

- \* Background to Snow Plan
- \* The Colerne Snow Plan
- \* Activation of the Snow Plan
- \* Insurance
- \* Ways to Success

# Background To Snow Plan

- \* Colerne is second highest village in Wiltshire County
- \* Wiltshire Council funding; LIMITED RESOURCE
- \* Colerne used as a Parish Snow Plan pilot study
- \* Parish Residential areas – 3 satellite areas and Colerne Village
- \* Snow Warden concept

# Snow Plan

- \* **Aim – coordinated response aimed at keeping access routes into and within Parish and helping vulnerable members of community**
- \* WC Clear (plough and salt) primary routes (A4, A420, c151)
- \* 4 local farmers clear Parish Secondary routes
- \* Village holds 2 tonnes of salt
- \* Snow Wardens /Village clear pathways and residential roads using grit bins and salt
- \* Use of Western gritter trailer (self help)

# Insurance

## \* Clarification on insurance

- Footway salting : PC 3<sup>rd</sup> Party Liability Insurance and WC insurance
- Private vehicle: WC investigating
- Farmers doing snow clearing: WC cover



# Ways to Success

- \* More Snow Wardens =smaller areas=more volunteers
- \* Training – Safety Solutions through WC
- \* Snow Wardens plus concept
- \* Hold more salt at more locations
- \* Communication
- \* Celebrate a victory