

# Recovering the Highways Asset

Gary Mallin  
Cheshire East Highways



# Cheshire East's story





# Our Highway Assets

**We're working for you**  
**we maintain ...**

**2700** km  
of highway

**1,900** km  
of footways

over  
**4000**  
illuminated  
signs & bollards

Over  
**40,000**  
streetlights

**92,000**  
gullies

**386**  
traffic signal  
junctions



over  
**600** km  
cycle routes

over  
**1,700**  
bridges & structures

**144**  
pedestrian  
crossings

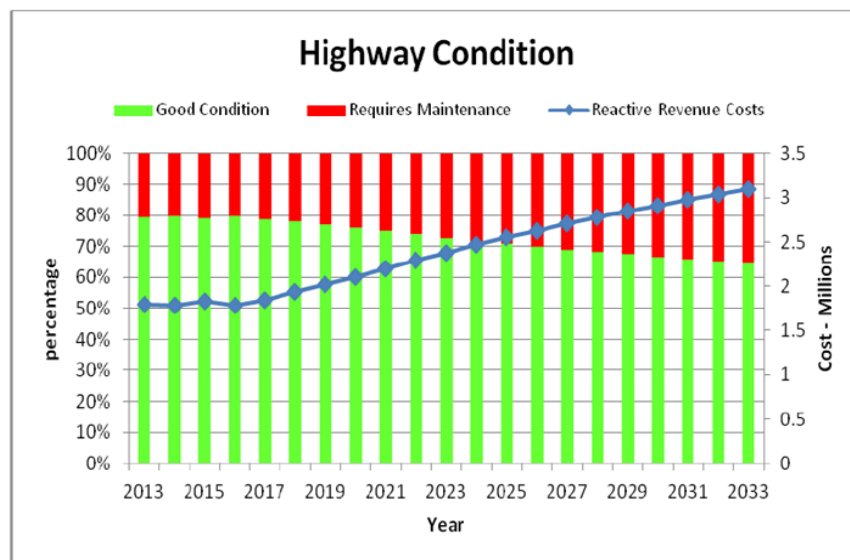
**5.8 million** square metres of grass verge >>>>

0300 123 5020

[www.cheshireeast.gov.uk/highways](http://www.cheshireeast.gov.uk/highways)

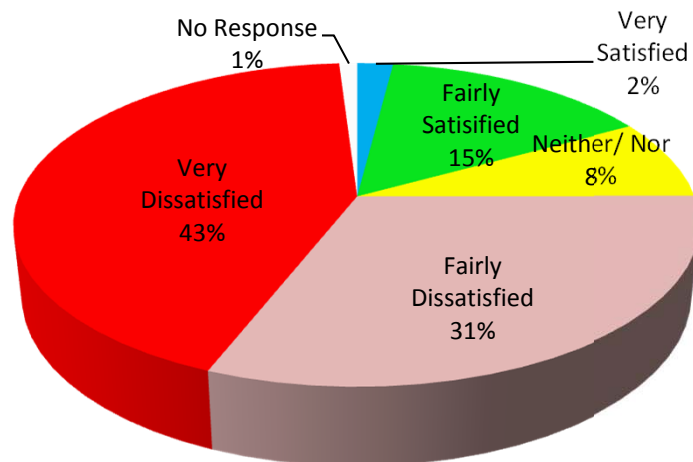
# The Scale of the Problem

- In 2011, **17%** of Cheshire East's road network was in need of immediate maintenance
- During the harsh winters of 2011-12 and 2012-13, increasing the defective length in need of repair to **21%**.



# The Scale of the Problem

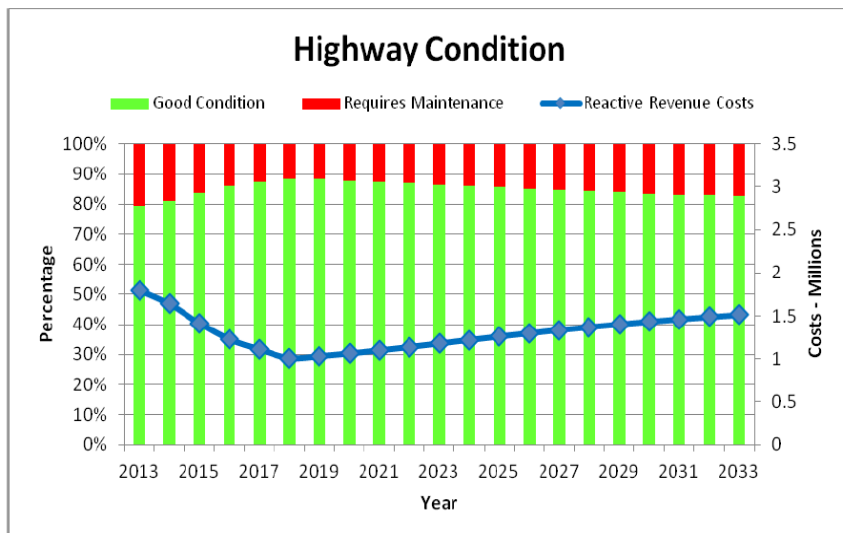
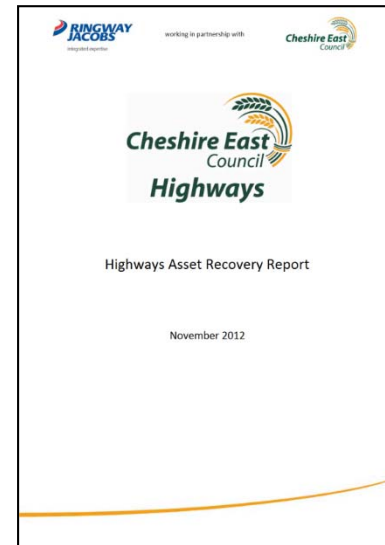
- Carriageway defects spiked to an all time high
- Customer calls increased as many in one month as in typical year
- Claims paid out over £800,000 during 2012/13
- 74% of customers dissatisfied
- Network in crisis.....





# Asset Management focus

- Recovery Strategy 2012
- Various funding options considered
- Presented to Politicians
- Resulted in £25m additional investment over 2½ years



# Asset Management Strategy

## 3 Level Strategy

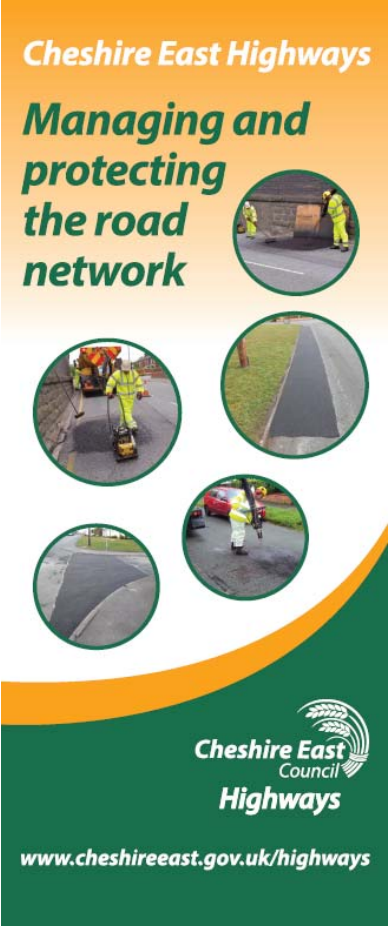
**Cheshire East Highways**  
*Delivering a safe and serviceable road network*



Cheshire East Council  
**Highways**  
[www.cheshireeast.gov.uk/highways](http://www.cheshireeast.gov.uk/highways)

Level 1

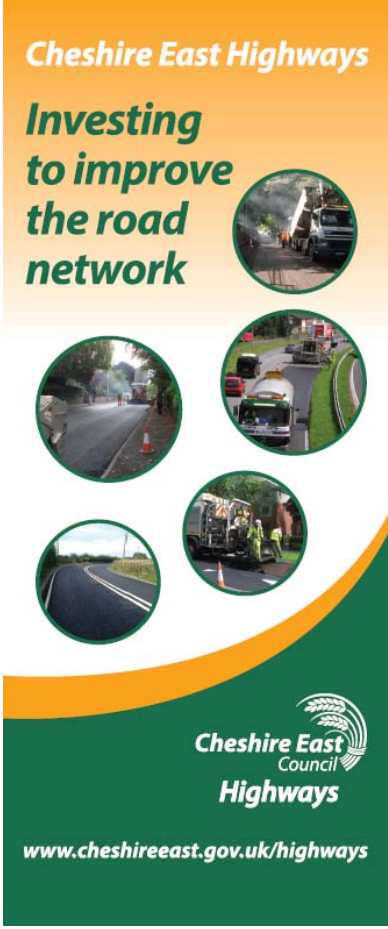
**Cheshire East Highways**  
*Managing and protecting the road network*



Cheshire East Council  
**Highways**  
[www.cheshireeast.gov.uk/highways](http://www.cheshireeast.gov.uk/highways)

Level 2

**Cheshire East Highways**  
*Investing to improve the road network*



Cheshire East Council  
**Highways**  
[www.cheshireeast.gov.uk/highways](http://www.cheshireeast.gov.uk/highways)

Level 3

# Asset Management Strategy

Cheshire East Highways  
■ Level 1  
Delivering a safe  
and serviceable



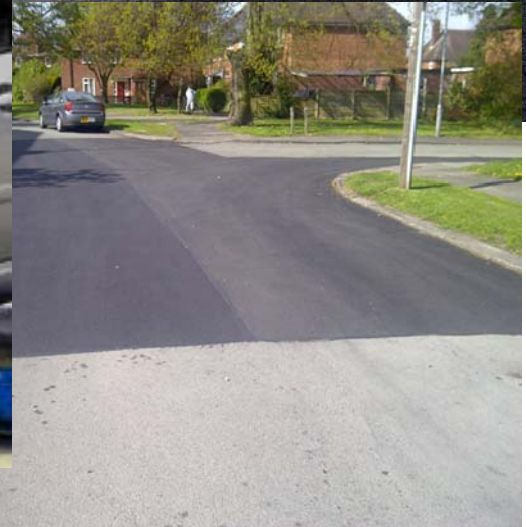


# Asset Management Strategy

Cheshire East Highways  
Managing and  
protecting  
the network

- Level 2

- Level 2



# Asset Management Strategy

Cheshire East Highways

Investing  
to improve  
the road  
network

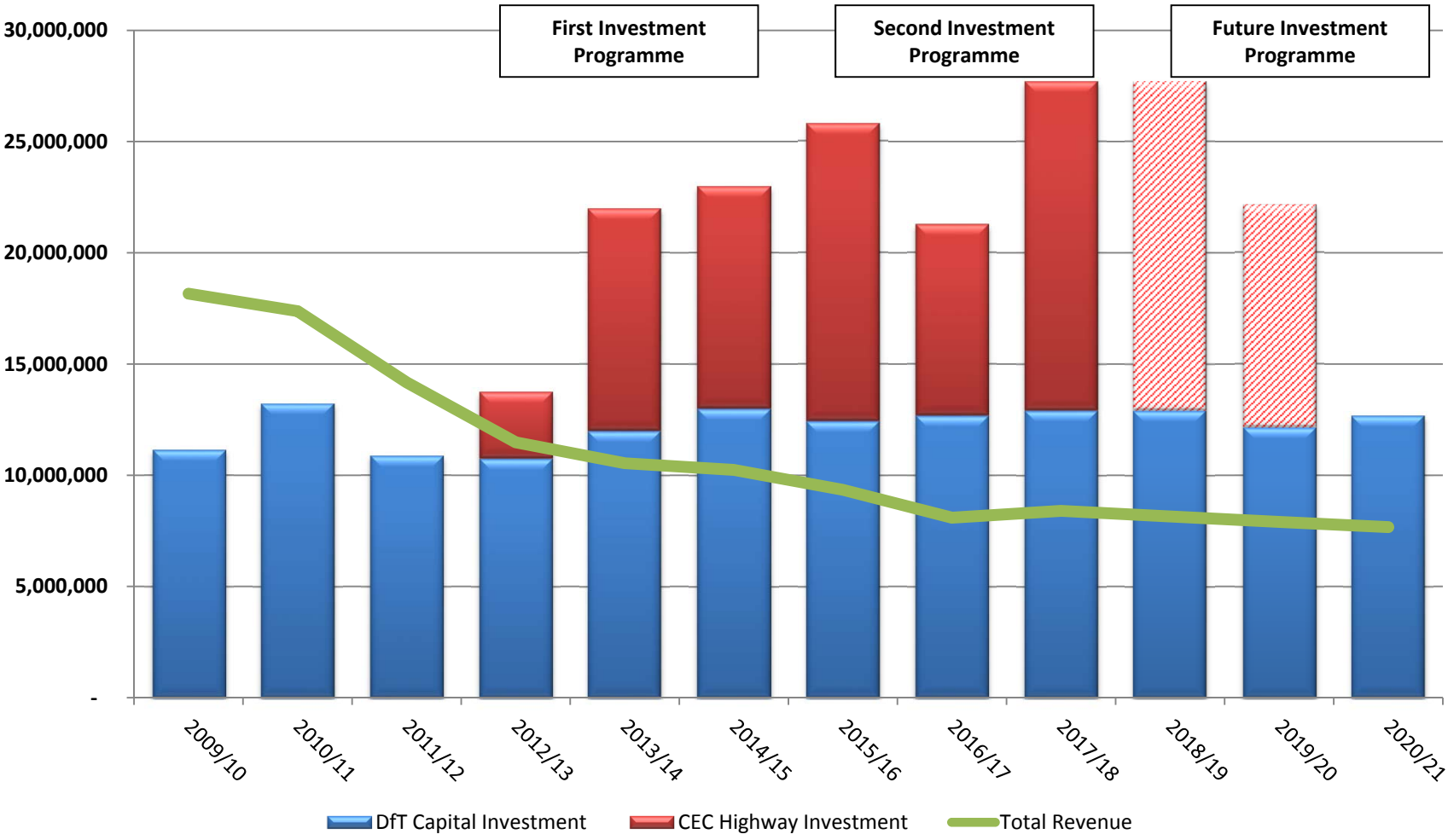
■ Level 3

■ Level 3





# Highway Investment Programme



# Highway Investment Programme

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Funding allowed further investment into other assets

- Increased Footway Programme
- Improved Vehicle Restraint Systems
- Increased Drainage and flood Improvement Programme
- Longer term Structures Improvements
- Enhanced ITS





# Street Lighting Asset Improvement

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- £11m Investment supported by Salix (Carbon Trust)
- Converted 21,000 street lights to LED lanterns
- Replaced 6,000 age expired or defective columns
- Switched off and removed 700 lights on traffic routes
- Replaced 1,500 traffic lights with LED heads
- 35% carbon reduction
- Estimated £700,000 savings/ yr
- Further £9m residential upgrade 2017 onwards



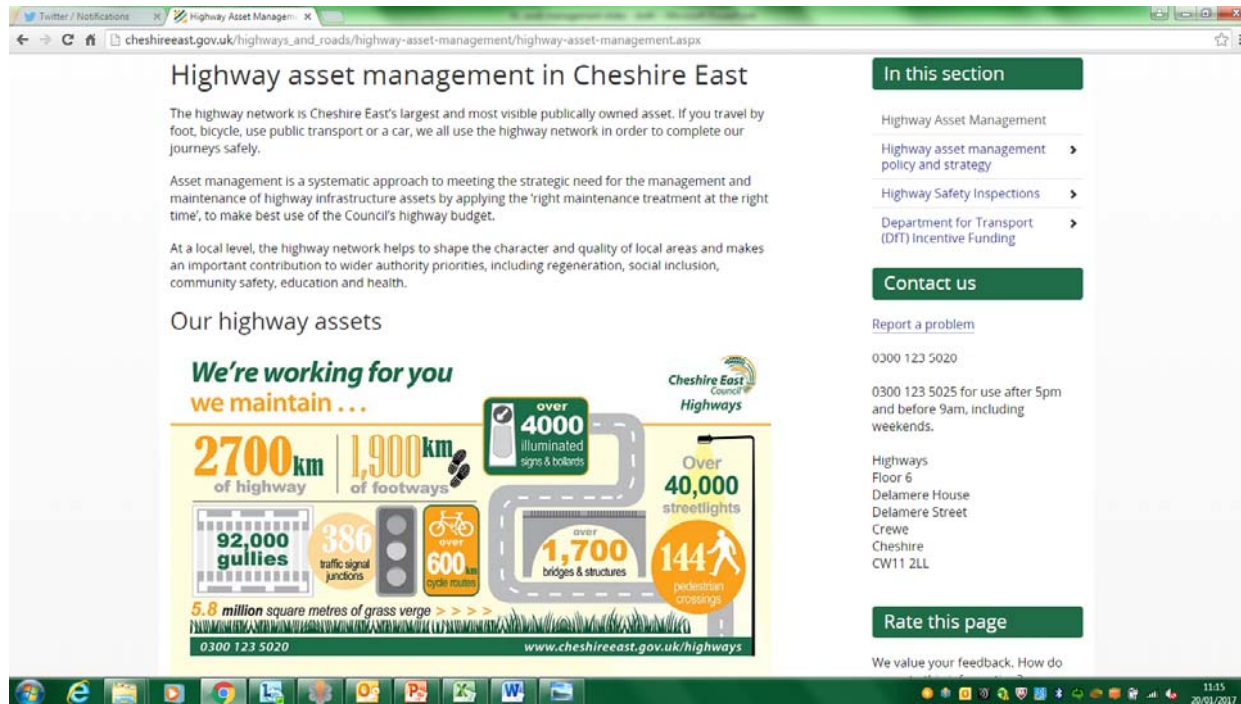
# Communication and Engagement

- Developed engagement events
  - Members, Town & Parish Council events
  - Committed to understanding the customer
  - Make communications relevant
  - ‘Back to the Floor’ visits – gully emptying
- Introduced Highways Communication Plan to guide communications planning for key projects
  - Total Road Enhancement
  - Asset Management
  - LED Street Lighting





# External communications



Twitter / Notifications Highway Asset Management X  
cheshireeast.gov.uk/highways\_and\_roads/highway-asset-management/highway-asset-management.aspx

## Highway asset management in Cheshire East

The highway network is Cheshire East's largest and most visible publicly owned asset. If you travel by foot, bicycle, use public transport or a car, we all use the highway network in order to complete our journeys safely.

Asset management is a systematic approach to meeting the strategic need for the management and maintenance of highway infrastructure assets by applying the 'right maintenance treatment at the right time', to make best use of the Council's highway budget.

At a local level, the highway network helps to shape the character and quality of local areas and makes an important contribution to wider authority priorities, including regeneration, social inclusion, community safety, education and health.

### Our highway assets

**We're working for you we maintain ...**

- 2700 km of highway
- 1,900 km of footways
- over 4000 illuminated signs & bollards
- Over 40,000 streetlights
- 92,000 gullies
- 386 traffic signal junctions
- 600 cycle routes
- over 1,700 bridges & structures
- 144 pedestrian crossings

5.8 million square metres of grass verge

0300 123 5020 [www.cheshireeast.gov.uk/highways](http://www.cheshireeast.gov.uk/highways)

**In this section**

- Highway Asset Management
- Highway asset management policy and strategy >
- Highway Safety Inspections >
- Department for Transport (DfT) Incentive Funding >

**Contact us**

Report a problem

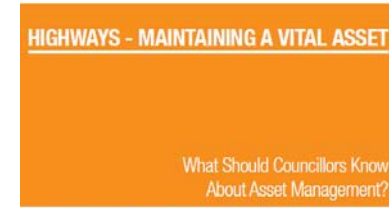
0300 123 5020

0300 123 5025 for use after 5pm and before 9am, including weekends.

Highways  
Floor 6  
Delamere House  
Delamere Street  
Crewe  
Cheshire  
CW11 2LL

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UK ROADS LIASON GROUP HMEP

## HIGHWAYS - MAINTAINING A VITAL ASSET

What Should Councillors Know About Asset Management?




CEC Highways @CECHighways · 15 Nov 2016

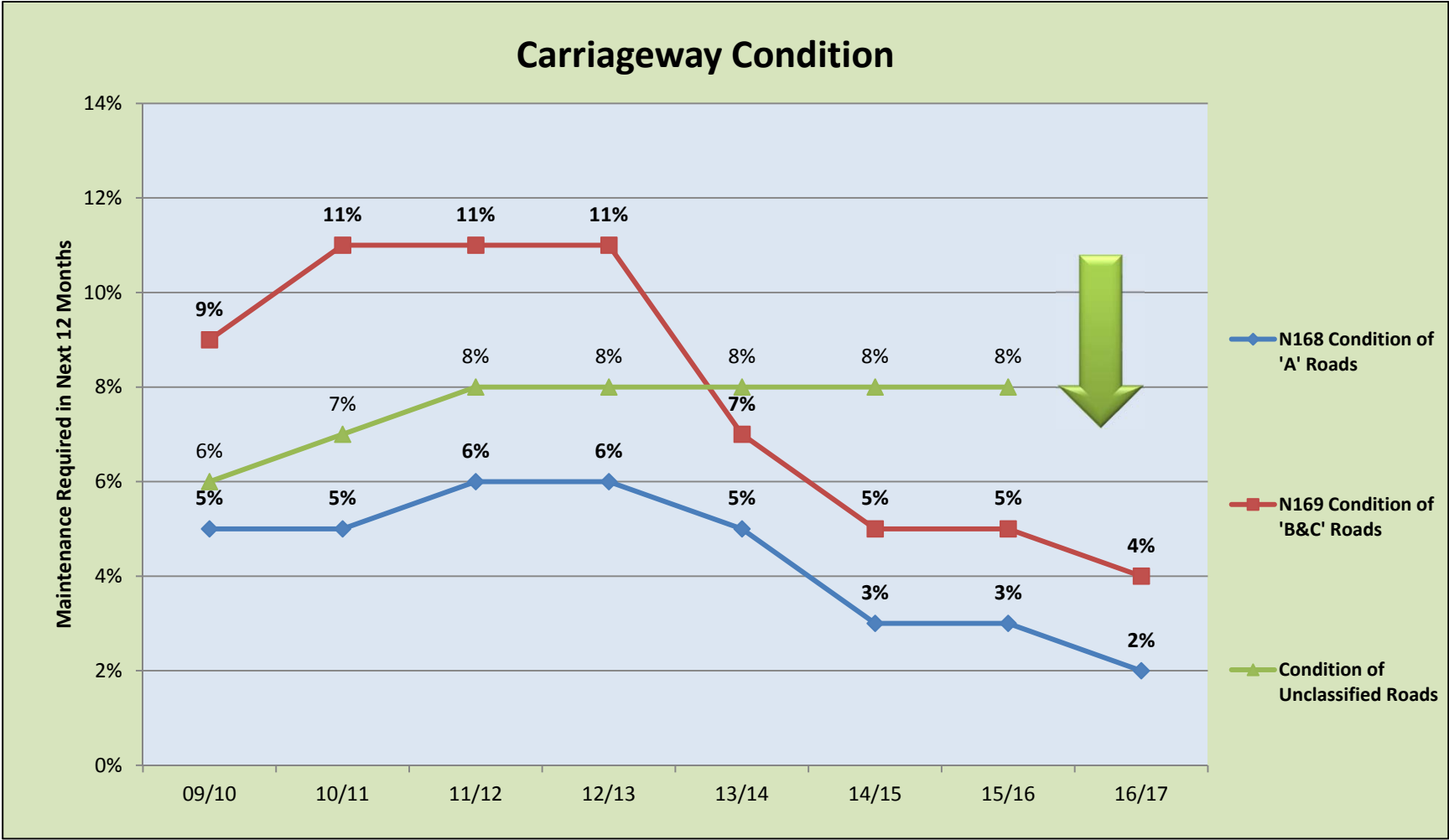
Asset management are planning next year's Highway Investment Programme to ensure we improve the right location at the right time #OurDay

Report them Online at  
[www.cheshireeasthighways.org/ReportIt](http://www.cheshireeasthighways.org/ReportIt)  
or call 0300 123 5020

Cheshire East Council

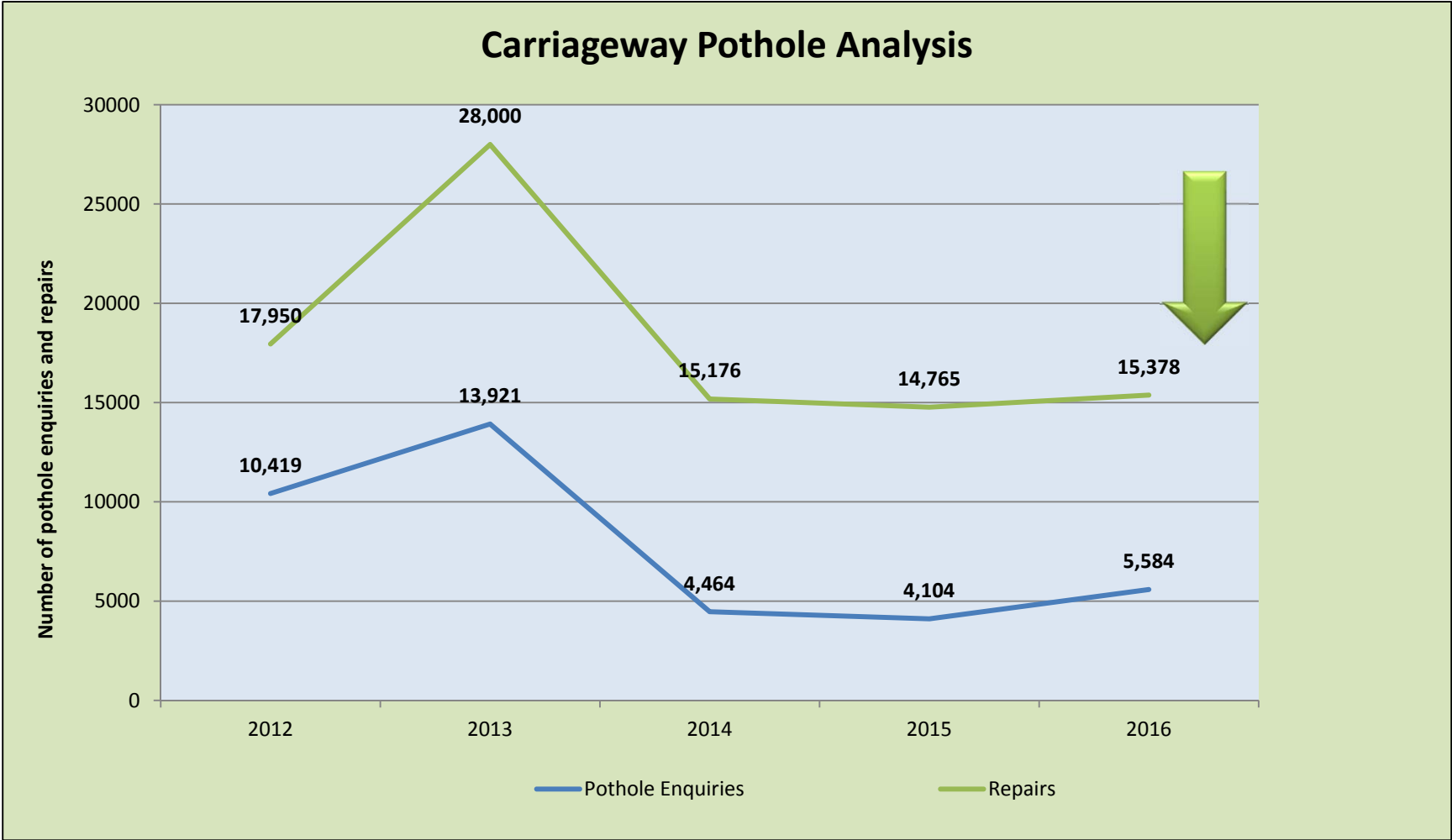


# Progress to Date





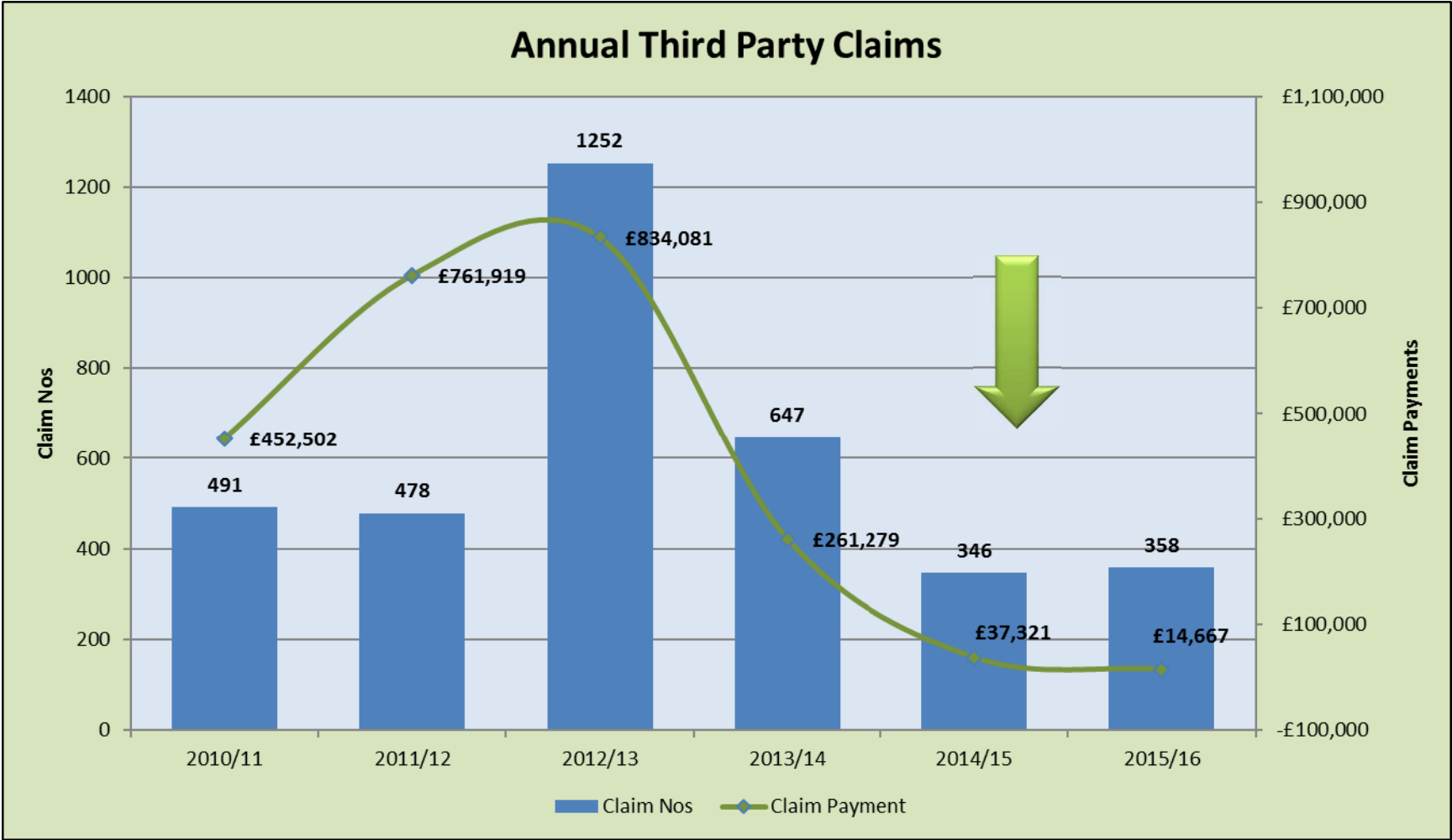
# Progress to Date



# Progress to Date



# Progress to Date





# Asset Management Success

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- Over 500km roads treated since 2013
- Condition of network improved
- Pothole numbers down - **83%** reduction
- Third party claims down – **72%** reduction
- Compensation pay-outs down – **98%** reduction
- Improved customer satisfaction



# Outcomes

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- Continual Investment
- Incentive Fund - Band 3 Authority
- Asset Management Policy and Strategy
- BSI ISO 55001 – Asset Management
- BSI ISO 44001 – Collaborative Business Relationships



Thank You

