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# Highway Asset Management Review

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# Why



- The West Sussex Highway network is perhaps one of the single most valuable publicly owned assets in the county.
- With the Highway network being used daily by residents, businesses, visitors it provides an ongoing and vital contribution to the growth of the county, whilst meeting the economic, social and environment needs of our communities.

# West Sussex Assets



- **4046** km of Carriageways
- **3950** km of Footways
- **662** Highway Bridges
- **131,000** Highway Gullies
- **69,000** Street Lights
- **369** Pedestrian Crossings
- **482,000** sqm Road Markings
- **49,000** Road Signs
- **301,000** Highway Trees
- **5000** km Grass Verges

# Carriageways

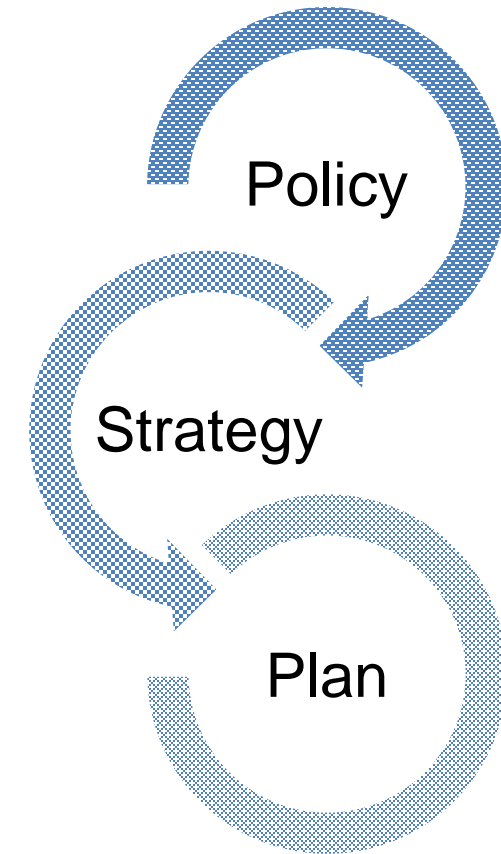
- Known backlog of capital maintenance:

**£175m+**

Magic wand to ensure all roads in the county are in the condition we would like!

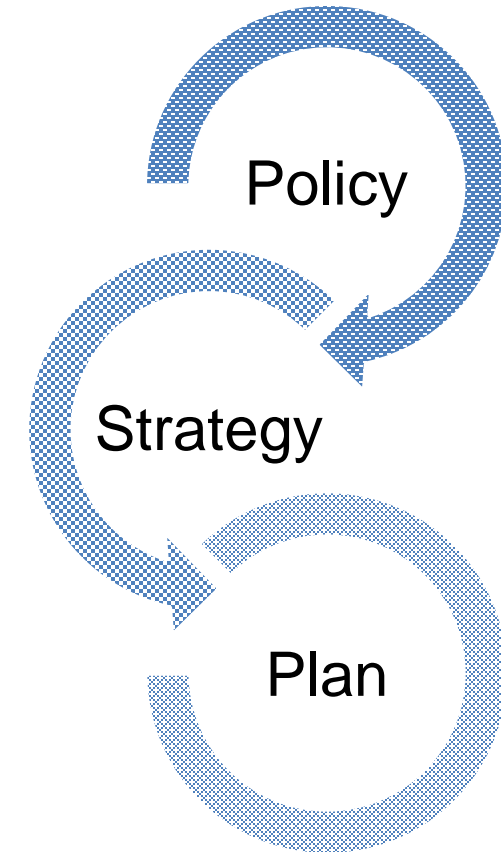
# Purpose

- Maintain a safe and serviceable highway network within WSCC
- Deliver a consistent Asset Management approach across all asset groups enabling communication to Customers and Stakeholders
- Support business cases for investment and funding needs through clear strategies and data led informed decisions
- To use national and local best practice to ensure that risks are managed, and opportunities realised
- To fulfil the DfT requirements relating to the Local Highway Maintenance Block Funding
- Embed Sustainability at the core of every decision and activity undertaken on the asset
- Objectively assess the performance of the assets ensuring they are meeting the corporate needs



# Key Drivers

- Climate Change / Sustainability
- Inclusion and Accessibility
- Funding Pressures
- Delivering an achievable service
- Customer Engagement
- National and Local Benchmarking
- Regional Collaboration and sharing Best Practice



# AM Governance

## **HMEP Highway Infrastructure Asset Management (HIAM) Guidance (2013) -**

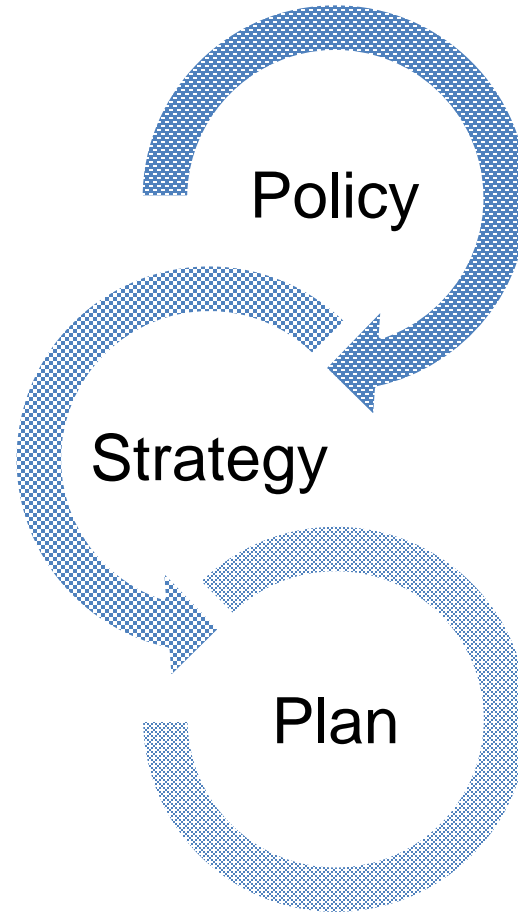
Provides the basis for a consistent approach and understanding of the implementation and delivery of asset management benefits.

The HMEP document provides specific guidance on the best practice for creating asset management documents as the foundation for delivering asset management principles.

## **International Standard ISO 55002: 2018. Asset Management – Management Systems – Guidelines for the Application of ISO 55001.**

The ISO 55000 family of standards is the first set of International Standards for Asset Management and consists of the following standards.

- ISO 55000:2014 Asset Management – Overview, principles and terminology
- ISO 55001:2014 Asset Management – Management Systems – Requirements
- ISO 55002:2018 Guidelines for the application of ISO 55001.



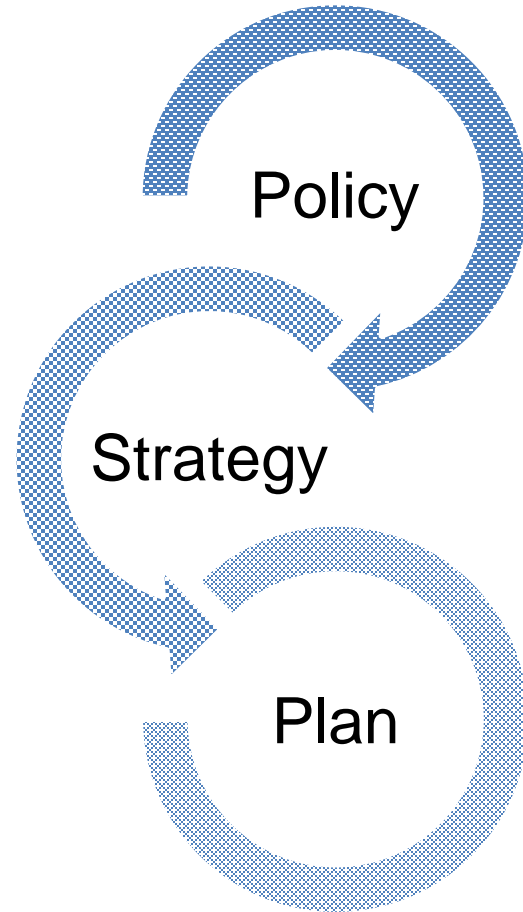
## **UKRLG Well-Managed Highway Infrastructure: A Code of Practice (2016) - As a code of practice it is a non-statutory document;**

- deemed to be guidance of best practice.
- To comply with the code of practice the Council is required to demonstrate a robust decision-making process and an understanding of the consequences of those decisions and of how the associated risks are managed to ensure highway safety.
- The code of practice is designed to promote the adoption of an integrated asset management approach to highway infrastructure based on the establishment of local levels of service through a risk-based assessment. It recognises that the delivery of a safe and well-maintained highway network relies on good evidence and sound engineering judgement.

# AM Governance

The Policy harnesses the organisational corporate objectives and frames them within the context of what the Highway Service delivers

The Plan sets out how the operational activities will be delivered to ensure that the asset are delivering against the required levels of service. The Plan takes into consideration the full Lifecycle of the assets from creation to disposal.



The Strategy looks at optimising the performance of the assets by defining and utilising a suite of maintenance options based around the assets needs derived from key asset data collection and analysis.



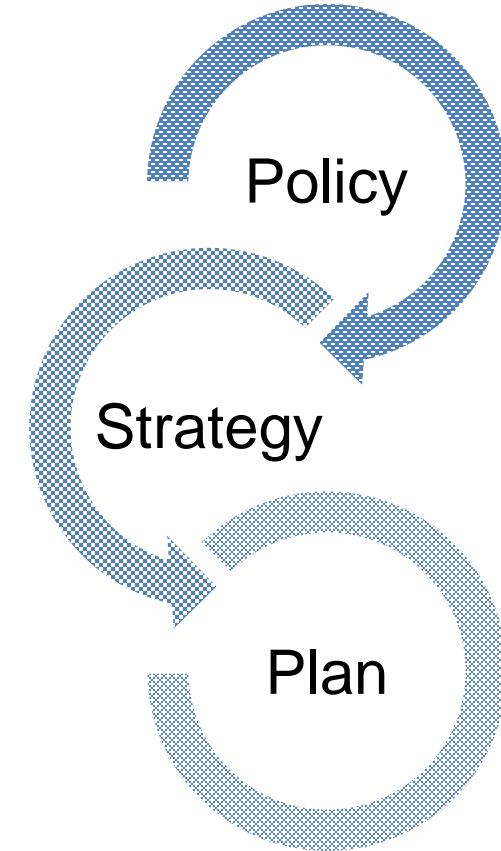
# Policy

## Inputs

- Corporate Plan
- Sustainability Plan
- LTP
- Digital Plan
- ISO55001

## Engagement

- Elected Members
- Senior Leaders
- LA Portfolios



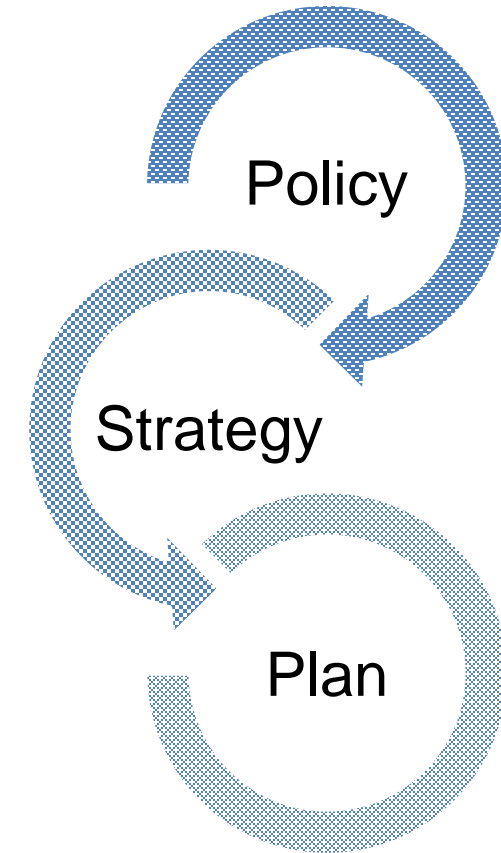
# Policy

## Output

- Commitment
- Supports Corporate Policies
- Achieves the Benefits
- Standalone Document
- Links with other AM Documents through a framework
- Adheres to Statutory Requirements
- Context with regards to Service Levels
- Risk based approach
- Sustainable
- Customer Focused
- Socially Inclusive
- Integrated

## Embedment

- Endorsed by Senior Decision Makers
- Visible to all Staff
- Communicated Internally and Externally.



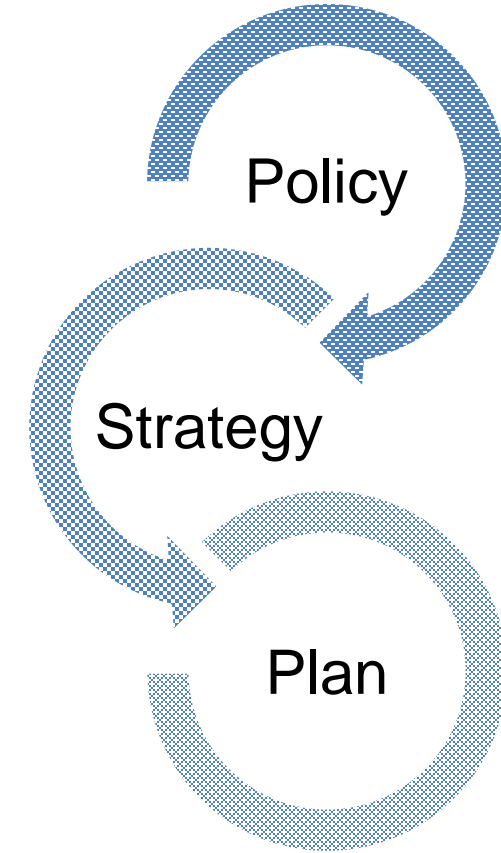
# Strategy

## Inputs

- Network Data
- Maturity Assessments
- LTP
- Digital Plan
- ISO55001
- Customer Feedback

## Engagement

- Elected Members
- Senior Leaders
- LA Portfolios
- Operational and Delivery Teams
- Customers and Stakeholder



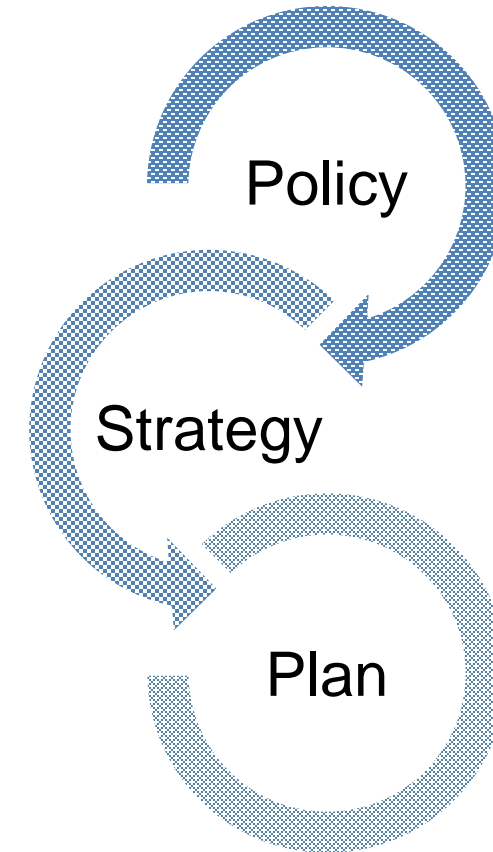
# Strategy

## Output

- Explains how the AM Policy will be achieved
- Sets clear direction and links to other relevant documents
- High level outcomes defined
- Management of Stakeholder Needs defined
- Performance Management and Levels of Service identified
- Future demands of the assets in the AM context
- Manage Safety and Statutory Obligations
- Long term financial needs identified
- Decision Making processes defined
- Risk Management including defining critical assets
- Define Community Benefits
- Deliver Continuous Improvement
- Information on network and assets including data management and systems

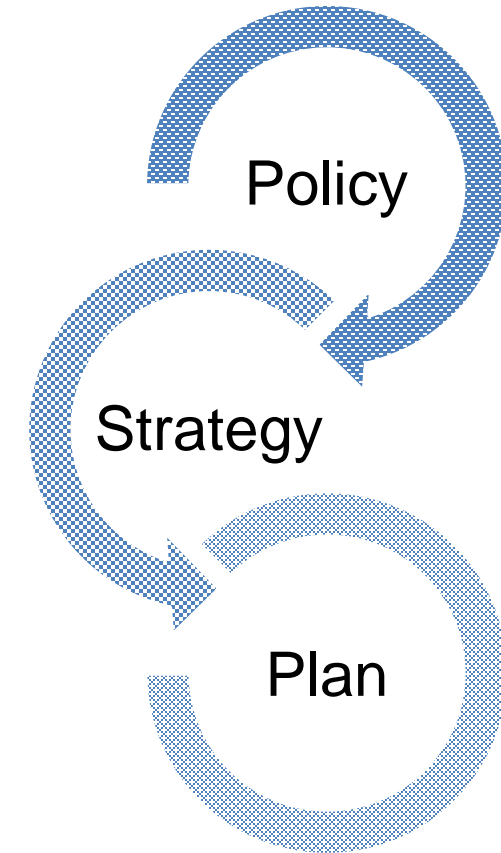
## Embedment

- Endorsed by Senior Decision Makers
- Political Endorsement
- Visible to all Staff
- Communicated Internally and Externally.
- Clear public-facing message

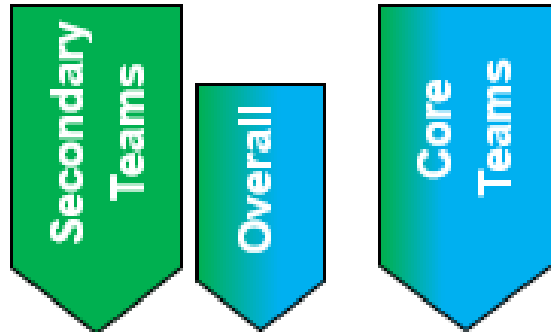


# Plan

- Document the activities and processes of the Asset Management Framework.
- Provide detailed information to senior decision makers to support investment decisions and enable longer term planning.
- Allocate resources for asset management.
- Inform all staff involved in asset management about how the highway infrastructure is to be managed and their responsibilities.
- Provide information to support the procurement of maintenance activities.
- Facilitate communication with stakeholders



# We know



<p>The organisation has not recognised the need for this requirement and/or there is no evidence of commitment to put in place.</p>	<p>The organisation has identified the need for this requirement and there is evidence of intent to progress it.</p>	<p>The organisation identified the means of systematic and consistent in achieving the requirements and can demonstrate that these are being progressed with credible and resourced plans in place.</p>	<p>The organisation can demonstrate that it systematically and consistently achieves relevant requirements set out in ISO 55001.</p>	<p>The organisation demonstrates the systematic and consistent optimisation of its asset management practice, in line with the organisation's objectives and</p>	<p>The organisation demonstrates that it employs leading practices and achieves maximum value from the management of its assets, in line with the organisation's objectives and</p>
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# Next Steps



- Engage
- Consider national best practice
- Develop overarching Policy approach

# The Steps

