



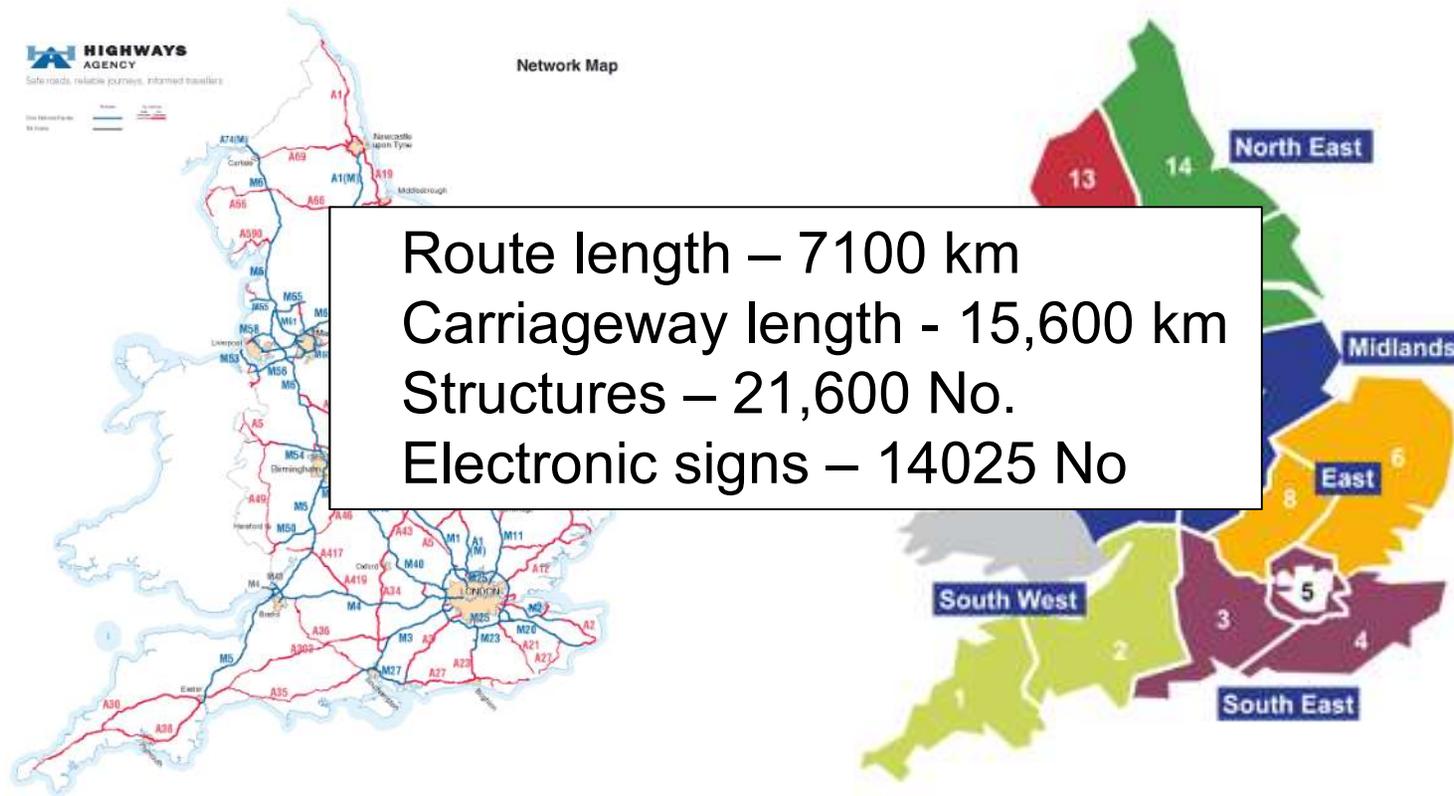
ISO 55001 Certification on a Highway Network Management Contract

Sam Beamish

Highways England's Network



Highways England's Network

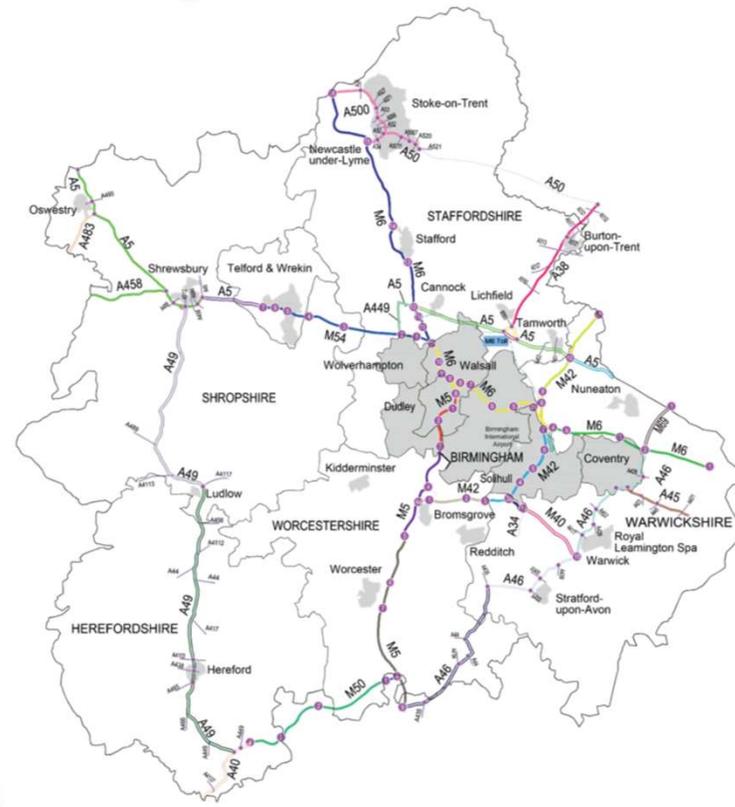


Route length – 7100 km
Carriageway length - 15,600 km
Structures – 21,600 No.
Electronic signs – 14025 No

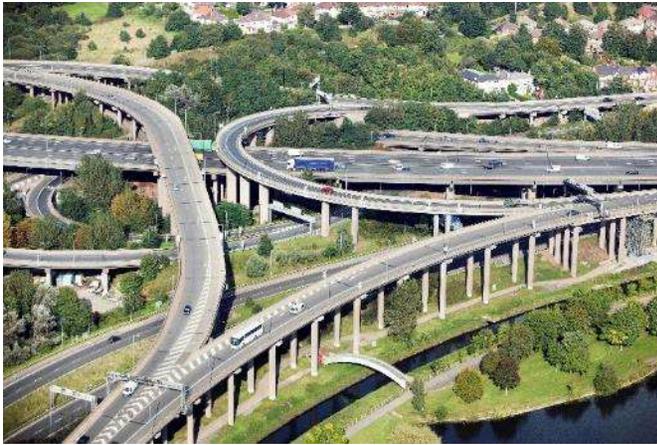
Area 9 Strategic Road Network

Area 9 Statistics:

- Route length – 768 km
- Carriageway length 1599 km
- Structures – 3034 No.
- Electronic signs – 2214 No.

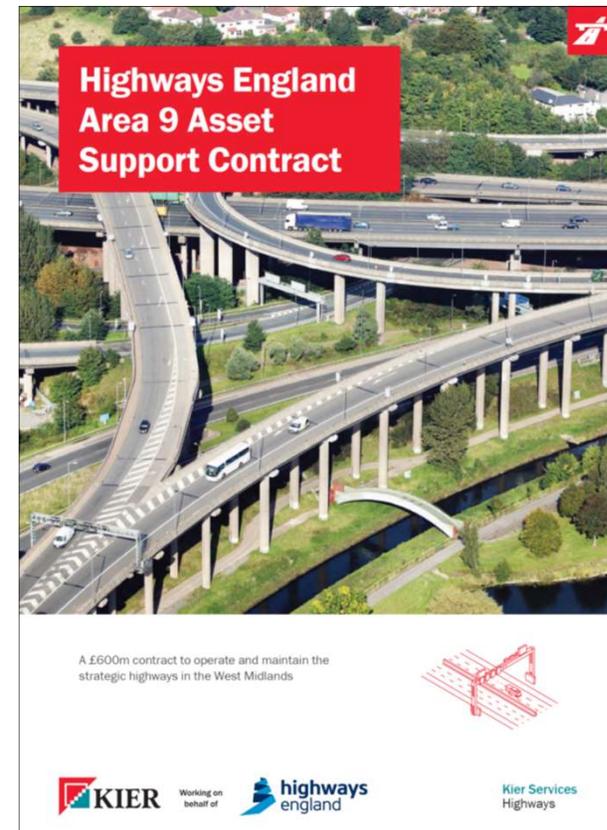


Area 9 Strategic Road Network



Scope of Kier's Area 9 Contract

- Asset development
- Scheme development (repair, rehabilitation, improvements)
- Scheme delivery
- Operations

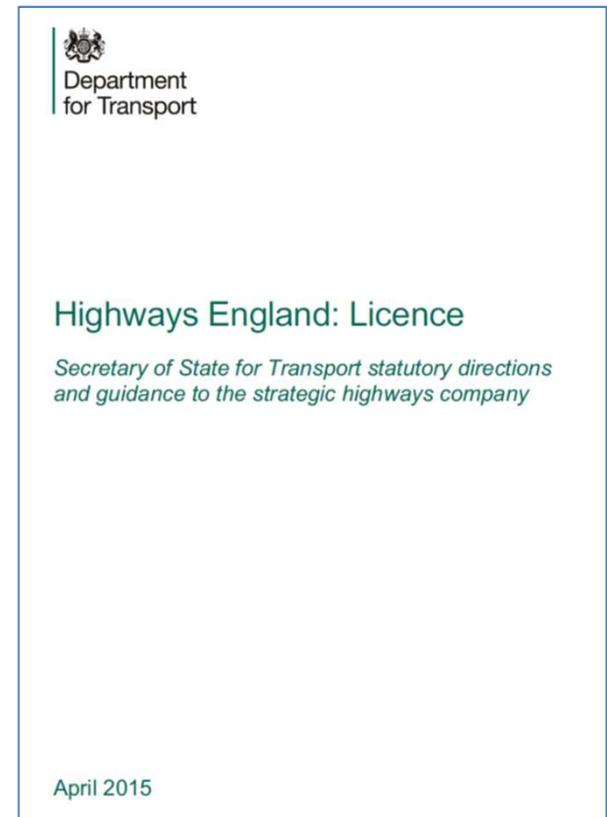


Asset Management Requirements

- Contract requirement for an asset management system complying with PAS 55.
- Achieved in 2016.
- Launch of ISO 55000 series of standards.
- Highways England changes with licence requirements for ISO 55000 consistency.

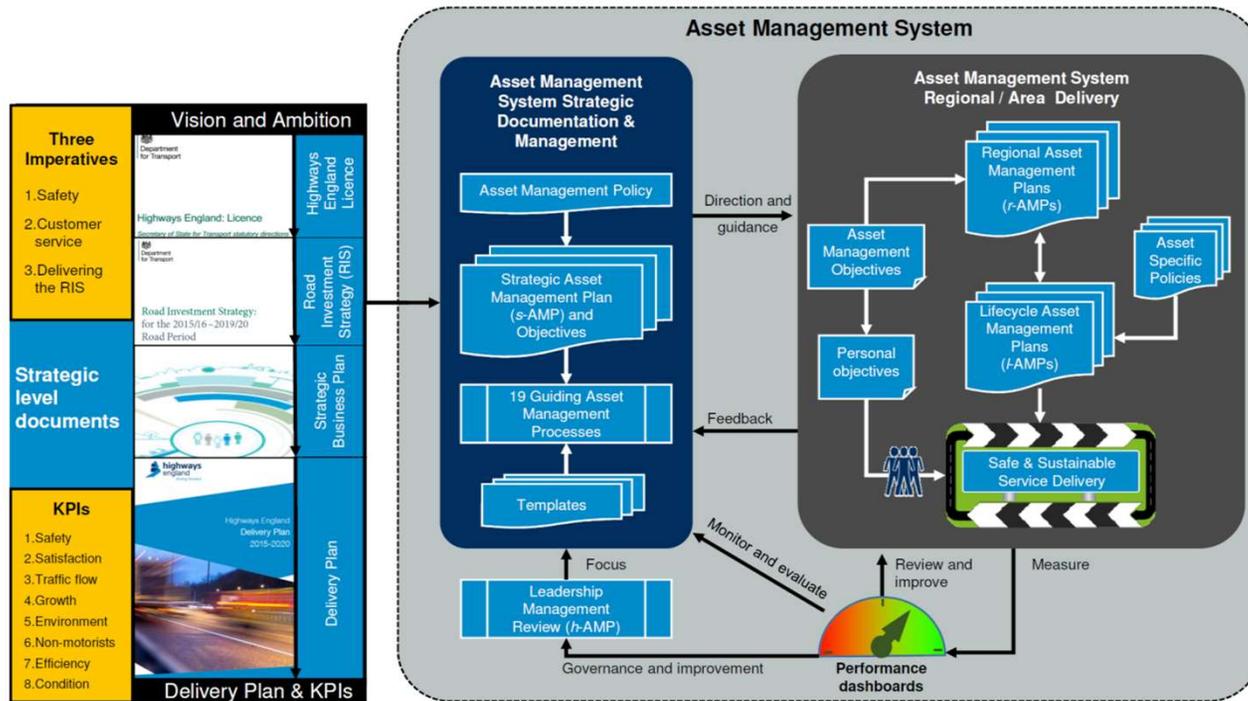
Highways England Licence Requirements

- Maintain high quality asset information.
- Develop asset management policy and strategy.
- Adopt a long term approach consistent with ISO 55000.



Highways England's Asset Management Framework

Asset Management Framework



Area 9 Asset Management System

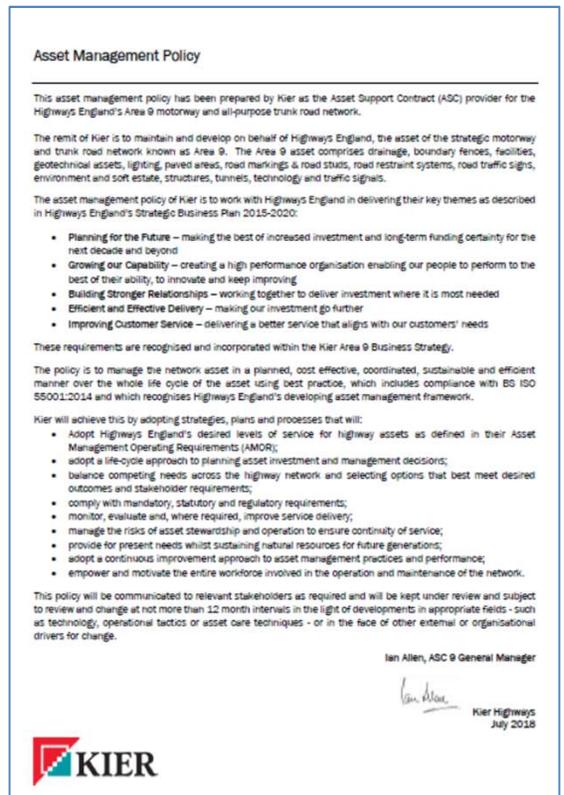


Key Components of the Area 9 Asset Management System

- Asset management policy
- Strategic asset management plan
- Life cycle asset management plan
- Asset specific asset management plans/operating plans

Asset Management Policy

- Kier's Area 9 contract.
- Highways England's key themes as described in their Strategic Business Plan 2015-2020:
 - Planning for the future.
 - Growing capability.
 - Building stronger relationships.
 - Efficient and effective delivery.
 - Improving customer service.



Strategic Asset Management Plan (SAMP)

The SAMP includes:

- Visions and goals for managing the assets.
- Asset management objectives.
- Rules for preparation of asset management plans.

Essentially a manual on how to 'do' asset management and comply with the requirements of ISO 55001.

2.04 Manage Asset Area 9 ASC Strategic Asset Management Plan

1 Introduction & Policy

Kier is Highways England's ASC provider for Area 9 and will be delivering the operation of the strategic road network within Area 9 for the period from July 2014 to June 2019 with possible extension through to June 2022.

Kier's Area 9 Asset Management Policy states that Kier will manage the Area 9 motorway and trunk road asset to meet Highways England's policies in accordance with practices and procedures complying with the requirements of BS ISO 55001:2014 Asset Management System - Requirements. This Strategic Asset Management Plan sets out Kier's long term direction for the management of the Area 9 assets and application of the Asset Management Policy. The document also includes the Asset Management Objectives.

Kier recognises the BS ISO 55000 consistent framework being developed by Highways England and will be looking to maintain consistency between that framework and the Area 9 Asset Management System. At this stage that includes for incorporating the output from the Area 9 Lifecycle Asset Management (LAMP) currently being prepared by Highways England.

2 Relationship between Policy, Strategy, Objectives and Asset Management Plans

This document is a link between the Asset Management Policy at a high level and the development of Asset Management Plans at an implementation level. It sets out Kier's strategy and objectives for the management of the Area 9 assets.

Document	Prepared by
AMOR	Highways England OD
Area Business Strategy	HE/Kier Network Board
AM Policy	Kier Highways
Strategic AM Plan	Kier Asset Devt Team
MRP	Kier Asset Devt Team
Asset Management Plans	Kier Asset Leads

Kier's corporate objectives as defined in the Kier Area 9 Business Strategy and Asset Management Policy incorporate the requirements of the Department for Transport (DfT) as owner and Highways England as network operator. The 'line of sight' between organisational strategic direction and the day-to-day activities of managing assets is a vital component of the asset management system. This aligns the 'top down' aspirations of the organisation with the 'bottom up' realities and opportunities of the assets.

KIER

Author: Asset Management Manager	Page 1 of 13	489-7310261
Author: Highways Asset Manager	Issue Date: 20151016	Rev 00: Released to OSM

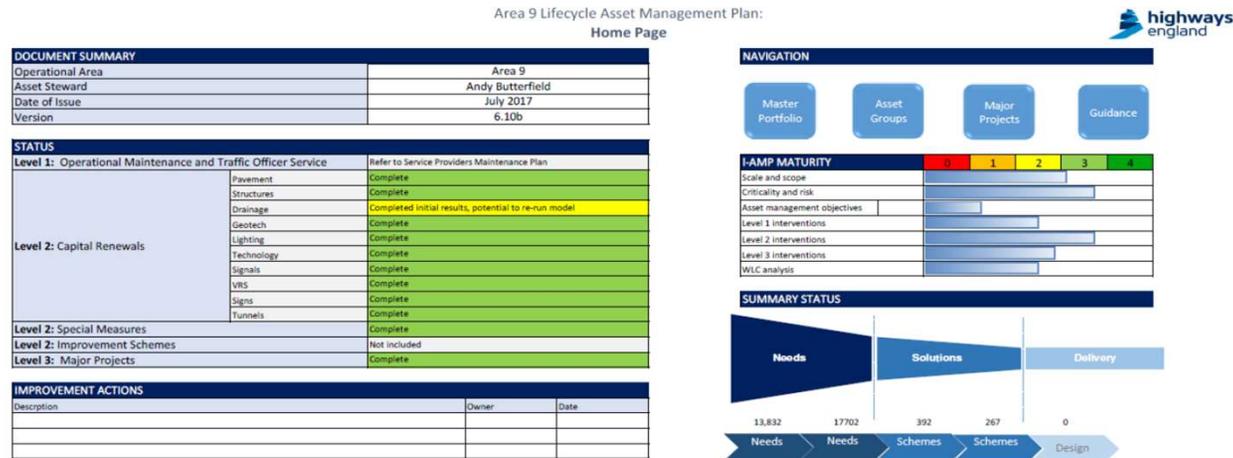
As part of our ISO 9001, this document is valid until 12 months from the issue date.

Asset Specific Asset Management Plans

- Operating plan to achieve strategy.
- Vision and goals for the asset.
- Essential information for asset operation.
- Decision making process for the asset.
- Risk management.



Life Cycle Asset Management Plan



- Considers 30 year period.
- Builds on bottom up 5 year forward programme.
- Top down approach for long term planning.
- Informs investment planning.

ISO 55001 Certification

- Achieved February 2018.
- Assessment by IAM Endorsed Assessors GHD.
- Followed 2 stage assessment process.
- Stage 2 assessment included more than 40 people over a week.
- Certification is for 3 years.
- Annual surveillance.



Key Benefits and Messages

- A line of sight from senior management through to those carrying out asset operation, maintenance and improvement on the ground.
- All asset management activities need to consider the full lifecycle of the asset.
- Clarity, awareness and visibility of objectives.



Quotation

If you don't know which port you are heading to, no wind is favourable.

Marcus Tullius Cicero
106 BC – 43 BC

Key Benefits and Messages

- A framework for robust and consistent decision making.
- Clarity on staff role and contribution.
- Includes engagement and consultation with stakeholders.
- Consistent messages can be communicated.



People do Asset Management



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IAM Links

IAM Videos

- What is Asset Management
- The Big Picture

<https://theiam.org/knowledge/Knowledge-Base/the-big-picture/>

IAM Publications

- Asset Management or Managing Assets

<https://theiam.org/news/latest/2017-05-19-new-iso-guidance-asset-management-or-managing-asse/>

- Asset Management – an anatomy

<https://theiam.org/knowledge/Knowledge-Base/the-anatomy/>

IAM Local Branch

- [IAM London & SE Branch <London@uk.theiam.org>](mailto:London@uk.theiam.org)
- <https://portal.theiam.org/Events/List/>

London & SE Branch Event

Theme: Digital Technologies

Date: Thursday 26th September

Time: 17.30 pm – 21:00 pm

Location: Amey | Chancery Exchange | 10

Furnival Street | London | EC4A 1AB

Future

- Embedment (travelled a long way but on a journey).
- Customer and stakeholder focus.
- Focus on asset integrity/reliability/sustainability.
- Robust and appropriate data systems with greater use of geodata/GIS.

What Questions do you have?

