



Nottingham City - Highway Asset Management Framework



Foreword

The Highway Asset Management Framework provides an overview of the Asset Management approach we have adopted to deliver effective Highway Asset Management in Nottingham.

It comprises a suite of documents which describe the strategies, processes and procedures that will provide an effective risk-based approach to managing and maintaining the Highway Asset and will be subject to regular reviews as our understanding of the use of data, risk and lifecycle planning matures and as national guidance and legislation necessitates.

Cllr Rosemary Healy

Portfolio Holder for Highways, Transport and Cleansing Services



Ref: AMD030 Issues No: 4.0 Author: Mark Bradbury



Document Information

Title (Sub Title)	Highway Asset Management Framework
Product Number	AMD030
Author	Mark Bradbury
Description	Describes the Council's asset management framework of documents, their purpose, state of preparation, publication and planned revision dates

Document History

Version	Status	Author	Date	Changes from Previous Version
No				
01	Draft	PW	Sep 2019	First release for Comment
02	Final	PW	Oct 2019	Final version
03	Final	МВ	Feb 2020	Final version
04	Final	МВ	Mar 2021	Final version

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Highway Services

Nottingham City - Highway Asset Management Framework



Introduction

The **Highway Asset Management Framework** comprises the principal documents we will use to manage the Infrastructure Assets.

Highway assets may be defined as any asset within the bounds of the highway in the stewardship of Nottingham City Council and includes carriageways, footways and cycleways, structures, drainage, street lighting, traffic signals and some street furniture.

The framework documents provide processes and procedures to enable an effective, efficient, consistent and practical approach to the maintenance and management of all Highway Assets and will be updated as our knowledge and understanding of the asset improves maintaining user satisfaction

The **Highway Asset Management Policy and Strategy** establish the support of the Council in promoting an asset management approach and set out the key strategies to be implemented to ensure this supports a data driven, evidence-based approach to maintaining the assets in our stewardship while maintaining the optimal level of service within available resources.

- Table 1.1 lists the documents currently identified as part of the framework.
- Table 1.2 provides a brief summary of what each document includes.

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Table 1.1 Asset Management Framework Index

Document	Document Title
Ref:	
AMF-001	Highway Asset Management Policy
AMF-002	Highway Asset Management Strategy
AMF-003	Highway Asset Management Framework
AMF-004	Highway Communication Plan
AMF-005	Competencies and Training Strategy
AMF-006	Highway Asset Data and Inventory Management Strategy
AMF-007	Highway Asset Inventory Survey
AMF-008	Highway Maintenance Hierarchy and Resilient Network
AMF-009	Highway Asset Condition Policy
AMF-010	Highway Inspection Manual
AMF-011	Highway Risk Management Strategy
AMF-012	Highway Asset Risk Register
AMF-013	Highway Service Levels, Performance Management and KPI's
AMF-014	Highway Reactive Maintenance Policy
AMF-015	Highway Lifecycle Planning Strategy
AMF-016	Highway Winter Gritting Plan
AMF-017	Highway Winter Gritting Appendices
AMF-018	Highway Skid Resistance Policy



Table 1.2 Asset Management Framework

Purpose	Status	Review	Owner	Reco	mmenda	tions
		Date		Incentive	Fund	Ass Mgt
Highway Asset Management Policy AMF-001	Complete	Apr 2022	Mark Bradbury	3	3	3
Highway Infrastructure in line with the Council plan, its goals	and objectives					
Highway Asset Management Strategy AMF-002	Complete	Apr 2022	Mark Bradbury	3, 6	3	3, 8

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Highway Asset Management Framework	Complete	Apr 2022	Mark	3	1 2	1
AMF-003	Complete	Api 2022	Bradbury		1, 2	-

The **Highway Asset Management Framework** documents provide an overview of the asset management approach Nottingham City Council has taken in delivering its maintenance and management of its Highway Infrastructure

It sets out the key documents that define the policies, strategies, procedures and processes that have been developed to ensure a more effective and transparent approach including the:

- purpose
- status
- review dates
- ownership
- and the key recommendations met from the Code of Practice Well-managed Highway Infrastructure (2016), Highway Infrastructure Asset Management Guidance (HMEP / UKRLG) and Incentive Fund (DfT).

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Highway Communication Strategy	In progress	NI/A	Mark	2, 12			
AMF-004	January 2020 (90%)	N/A	Bradbury	13, 14,	24	2, 8, 9	

This strategy details the approach we will take to communicate with all highway users and stakeholders. It considers the who, what, when, where, why and how we will communicate and sets out a communications matrix to ensure a consistent approach is maintained. It considers differing target audiences, types of information to be communicated and methods to be used and aims to create public awareness of the work undertaken, the reasons why and the longer-term objectives of our approach

Competencies and Training Strategy	In Progress	N/A	Mark	7	15	10
AMF-005	Jan 20 (90%)	N/A	Bradbury	,	13	

The strategy sets out the processes and procedures to ensure that employees engaged in the maintenance and management of the Highway Assets demonstrate sufficient expertise, skill and competency, and ensure gaps in knowledge and understanding can be identified more efficiently and performance evaluated more effectively.

It also sets out the delivery of the staff development plan and succession planning, change management and supports the effective recruitment and selection of new staff.

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Highway Data and Inventory Management Strategy					5, 8,	
AMF- 006	In Progress				9, 10,	
	- I	N/A	Mark Bradbury	4	11,	
					16,	
					17, 34	

The strategy defines the data required to successfully manage the Highway Assets in the stewardship of Nottingham City Council. It considers both inventory and condition data, surveys, inspections and works records defining the methodology for regular data collection and update for each asset group appropriate to its importance in delivering a safe and reliable highway network.

Data held for the purpose of maintaining and managing the Highway Assets meets the requirements of the Council's **Data Protection Policy** and the strategy sets out the processes and procedures for collecting, validating, auditing, storing and disposing

Highway Asset Inventory Survey AMF-007	Subject to future workshops	N/A	Mark Bradbury	4	5, 9, 10, 16, 17, 34		
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The Data Inventory Survey provides an understanding of the data currently held, provides a gap analysis of the data required and complements the **Data and Inventory Management Strategy** by supporting an action plan to ensure accurate, complete and current data is at the heart of asset management decisions

Highway Maintenance Hierarchy and Resilient Network	In Progress	N/A	Mark 6,		6, 12,	
AMF-008	Jan 20 (60%)		Bradbury	9	20	

This document describes the need for a maintenance hierarchy that is no longer based on the road classification system, but considers the importance, purpose, local economic and social factors and use of each road section across the City. Maintenance hierarchies will determine how the maintenance of Highway Assets will be prioritised to meet user expectations and service levels.

It also sets out the how the Council has determined its resilient highway network, a network of roads to be maintained as vital to the City, its businesses, residents and visitors in times of extreme weather

Highway Asset Condition Strategy	Subject to	N/A	Mark	r 7		
AMF-009	future	,	Bradbury	5, 7, 13, 14	17, 31	20
	workshops		Diadoui y	13, 14		

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A comprehensive understanding of asset condition is essential to the delivery of cost effective planned and reactive maintenance of all Highway Assets. The **Asset Condition Strategy** provides an overview of who, what, when, where, why and how condition data will be collected, provides specifications for condition surveys and a cyclic programme of data collection. It complements the **Data and Inventory Management Strategy** by supporting an action plan to ensure accurate, complete and current data is at the heart of asset management decisions

Highway Safety Inspection Manual	Complete		Vavia	15,	İ
AMF-010		Oct 21	Kevin Charnley	16, 18, 19	

This document sets out how Nottingham City Council manages and risk-assesses the maintenance of its highways to fulfil its statutory obligations and deliver a safe, serviceable and resilient highway network.

The objectives of this manual are to ensure that the highway is safe for all users and to provide a reference text to all staff. It will also provide a useful document to other departments and stakeholders highlighting the extent of the highway inspection regime.

Highway Risk Management Strategy	In Progress	N/A	Mark	Q	7, 14	
AMF-011	Jan 20 (90%)	N/A	Bradbury	8	7, 14	

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The risk strategy sets out how the Council will identify, assess and risk manage the Highway Assets to deliver a safe, serviceable and resilient highway network for all users. It defines the processes involved in ensuring a sound risk-based approach is at the heart of all decisions made in respect of the maintenance and management of the Highway Assets and network.

Highway Asset Risk Register	In Progress	N/A	Mark	R	7, 14	
AMF-012	Jan 20 (90%)	11/7	Bradbury		7, 14	

An assessment of the current risks identified for each asset group, the probability of their occurrence, the likely consequence and what mitigation measures have been or could be put in place to reduce the risk to users of the highway network. Those risks that still remain 'high' have been prioritised into an Action Plan, allocated and allocated a responsible officer within the following areas of interest;

- corporate
- strategic / tactical
- operational

Risks have been and will continue to be assessed, classified and quantified and plans for mitigation reviewed allowing resources to be targeted to those risks likely to have the most severe effects on service levels and the delivery of a safe and reliable highway network

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Highway Service Levels and Performance Management AMF-013	Subject to future workshops	N/A	Mark Bradbury	12, 13, 15, 16	26, 27	4	
This document sets out the process for identifying appropriate and deliverable Levels of Service for Highway Services Assets to ensure a safe, reliable and accessible highway network is available to users. It considers how Levels of Service can be successfully monitored to assess performance, how a performance management framework can be developed and how performance can be used to inform the public, Council Members and stakeholders, Department and divisional senior managers, group and team leaders and individual officers of current performance.							
Highway Reactive Maintenance Policy AMF-014	Subject to future workshops	N/A	Mark Bradbury	10	16, 19		

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This document highlights how the Council have implemented the findings of the pothole review and embedded the **Risk Strategy** into its regular safety inspections and timescales for reactive maintenance for Highway Assets. It provides the context for the **Highway Safety Inspection Manual** and how this influences the timely repair of highway asset defects

Highway Lifecycle Planning Strategy	Subject to		D.Co.ulc		13,	
AMF-015	future workshops	N/A	Mark Bradbury	6, 7	28, 30, 31	5, 20

Lifecycle planning is an important aspect of highway asset management and involves determining long-term plans for carriageways, footways, structures and other assets. It explains how the Council will take whole life costs into consideration when assessing options for maintenance, new and improved highway schemes and how lifecycle planning will be used to review the level of funding, consider investment scenarios, support investment decisions and substantiate the need for appropriate and sustainable long-term investment.

Highway Winter Service Plan				20,	
AMF-016	Complete	Oct 21	Richard Dunn	21,	
				23,	
				24, 25	

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The aim of this document is to describe how the highway winter service is set up to provide for the winter season and how it is expanded to cope with more severe weather.

Highway Winter Service Appendices	Complete			20,	
AMF-017		Oct 21	Richard Dunn	21,	
				23,	
				24, 25	

Contains information on our gritting routes and grit bins

Highway Skid Resistance Policy	In Progress Jan	N/A	Mark	7, 11	31	20
AMF-018	2020 (90%)	IN/A	Bradbury	7, 11	31	20

The policy sets out how the Council will manage the skid resistance of road surfaces across the City. It considers the roads it will survey, the thresholds and the actions it will take, if required. The policy is supported by the **Highway Skid Resistance Procedure**

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