AMS (HIGHWAYS) MODULE C – ASSET KNOWLEDGE

What... Asset knowledge comprises inventory and condition data for the highway assets Lewisham is responsible for.

Collection and maintenance of asset data is required to assist managers in assessment, analysis and reporting of performance, progress and future need. This can be linked to regeneration and investment strategies and wider public realm asset data to ensure a total place approach. The integration of such asset knowledge and systems are crucial to ensure optimal investment decisions are made.

Why... Asset data is required to enable Lewisham undertake the following processes:

- Monitor and report on the condition of the highway network.
- Assess the expected lives of individual assets or asset components.
- Evaluate performance indicators.
- Model future maintenance options.
- Identify future investment strategies.
- Investigate and manage risk.
- Develop short- and long-term forward works programmes.
- Analyse and report financial values for WGA.

These processes enable Lewisham to make informed and cost-effective decisions.

Who... The responsibilities for the 'Asset Knowledge' module lie with:

Data collection	**Asset Strategy & Technical Support Manager/Asset Manager/ Commercial & Investment Delivery Manager**
Data management	**Asset Manager**
Updating & reporting module	**Asset Compliance Manager**

How... Data is an expensive commodity to collect, store and keep up to date. It is essential to ensure data collected and held can be trusted and remains current to support performance reporting and decision making.

Lewisham adopts a pragmatic approach to the collection of data to ensure the same data can be used for multiple tasks and that the level of sophistication meets the needs of the authority. Table C1 and Table C2 provide an overview of the data collected and the resources used.

Within the field of data collection it is important to keep abreast of innovation and new techniques in the market and the SLHAM Consortium helps ***Lewisham*** achieve this, and provides an opportunity for benchmarking rates and approaches to data collection.

Figure C3 provides an overview of the systems adopted within Lewisham to collect, store and utilise asset data.

Reporting... Lewisham uses the asset inventory shown in Table C2 to quantify the extent of its highway assets. This data is then used to feed in to other AMS (Highways) Modules to report on asset performance, including module D – Performance Management, module I – Stakeholder Engagement, and module K – Valuation.

Success Measures... Apart from feeding in to other AMS (Highways) modules, asset knowledge will help Lewisham to support statutory requirements. Moreover, this will greatly help in making effective and informed decisions.

Further Information:
Highway Infrastructure Asset Management Guidance document, HMEP – UK RLG, 2013

UK Pavement Management System (UKPMS)

UK Roads Liaison Group - Codes of Practice

Table C1: Lewisham's asset condition assessment.

Asset Group	Asset Type	Type of Survey	Network coverage	Frequency	Service Provider	System
Carriageways	Principal Classified Roads (A roads)	SCANNER - road condition survey	100%	Annually	London Borough of Hammersmith and Fulham	
		SCRIM - skidding resistance survey	100%	Annually		
	Non-Principal Classified Roads (B & C roads)	SCANNER - road condition survey	100%	Annually		
	Unclassified roads (U roads)	Coarse Visual Inspection (CVI) surveys	100%	Annually	Annual quotation	
Footways	All Categories	Safety Inspections	100%	5 month cycle	Safety Inspectors (Lewisham)	
Highway Structures	All Structures	Principal Inspections	100%	Every 6 years	External consultants	Bridgestation
	All Structures	General Inspection	100%	Every 2 years		
	Borough Principal Road Network	Load Assessments / Special Inspections	As required.			
Street Lighting	Lighting columns	Managed through Street Lighting PFI by Skanska for 25 years from 2011.				
Street Furniture	All street furniture	Routine safety inspections	5 month cycle	Various	Safety inspectors (Lewisham)	

Table C2: Lewisham's asset inventory.

Asset Group	Asset Type	Quantity		Asset Group	Asset Type	Quantity
		Length/Number	Width			
Carriageways	Principal Classified Roads (A roads)	18.8 km	11.7m	*Street Lighting*	Columns	17,253
	Non-Principal Classified Roads (B roads)	18.8 km	10.3m		Wall lights	43
	Non-Principal Classified Roads Class III Roads / C Roads)	26.1	8.25m		Central island beacons	19
	Unclassified roads (U roads)	328.6 km	7.6m		Pedestrian crossings	134
	TOTAL	*392.1 km*			Surface mounted lights / Spotlights	2
Footways	A Roads	33.7km	4.23m		Illuminated Signs	2,220
	B Roads	37.6km	3.25m	*Street Furniture*	Non-Illuminated Traffic Signs	
	C Roads	48.8km	2.95m		PROW Signs	
	Unclassified Roads	657.1km	2.37m		Pedestrian Barriers	
	Footpaths	12.0km	4.00m		Safety Fencing	
	TOTAL	*789.3 km*			Non-Illuminated Bollards	1,032
Highway Structures	Highway Bridge – Single span	32 No.			Street Name Plates	
	Highway Bridge – 2/3 span	3 No.				
	Highway Bridge – Multi span	1 No.		*Land*	Urban	5,140,000m^2
	Pedestrian / Cycle Bridge – Single span	20 No.			Rural	-
	Pedestrian / Cycle Bridge – Multi span	2 No.			*TOTAL*	5,140,000m^2
	Culvert – Single cell	4 No.				
	Culvert – Multi cell	1 No.				
	Pedestrian subway / Underpass	1 No.				
	Highway Underpass	0 No.				
	Retaining Wall <3m	32 No.				
	Retaining Wall > 3m	13 No.				
	Special Structures	9 No.				
	TOTAL	*117 No..*				

Key

Good Data	
Derived Data	
To collect/improve	

Figure C3: Lewisham asset management system.