



BridgeStation

Advanced Bridge Management System

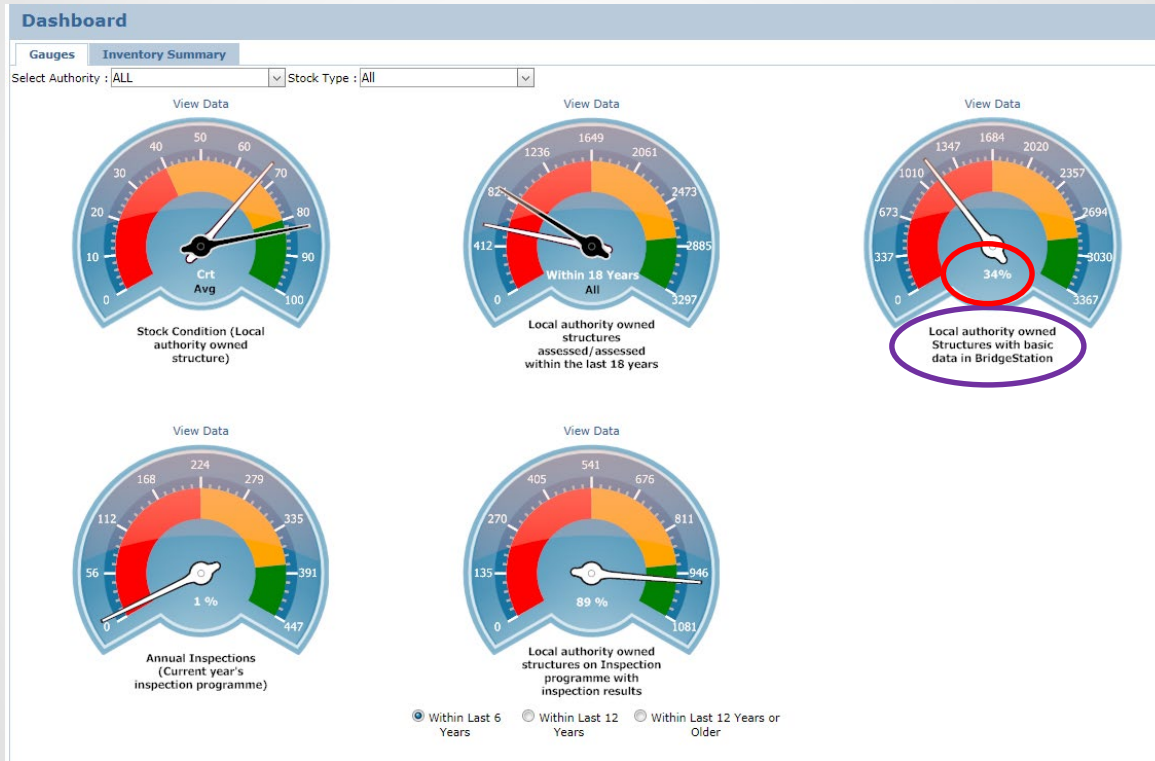
LoBEG Autumn Seminar Friday 11 October 2019

Better data quality for better decision making



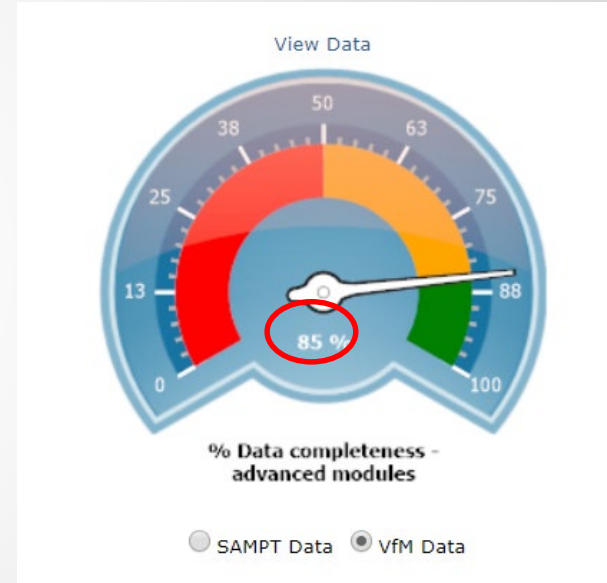
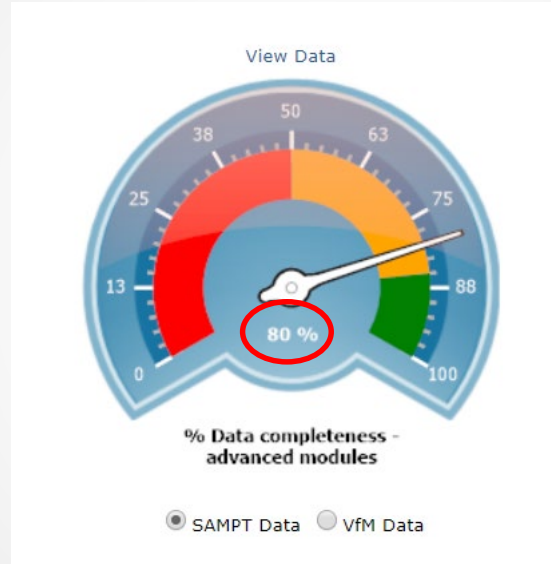
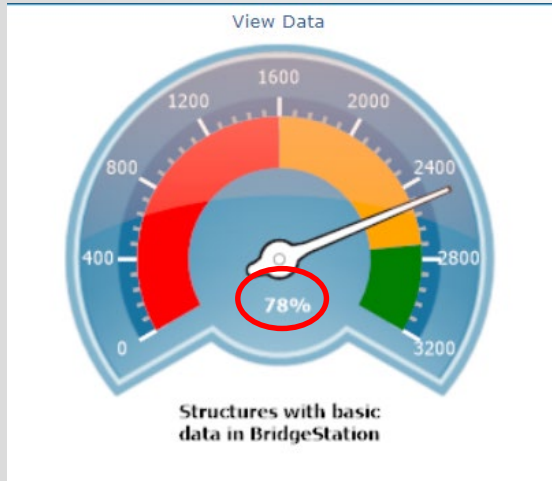
Structure data audit in Bridgestation April 2013

Dashboard data for all Boroughs, all Roads





Dashboard data for all Boroughs, all Roads 2019



Data Gap Report

Summary Basic Data SAMPT Value for Money Prioritisation

Export Data Is a Highway Structure: Both

#	Authority	Owner	All Structures				Highway Structures				BPRN						
			Structure Count	% Complete Basic Data	% Complete SAMPT Data	% Complete VM Data	Structure Count	% Complete Basic Data	% Complete SAMPT Data	% Complete VM Data	Structure Count	% Complete Basic Data	% Complete SAMPT Data	% Complete VM Data			
Clear		Local Authority															
	Barking	Local Authority	52	94	91	91	49	95	92	92	21	99	99	97			
	Barnet	Local Authority	77	94	75	92	75	96	76	94	8	100	94	98			
	Bexley	Local Authority	174	91	91	88	174	91	91	88	74	92	93	89			
	Brent	Local Authority	89	87	76	86	80	89	80	89	16	97	95	97			
	Bromley	Local Authority	424	84	78	83	416	85	79	85	69	100	99	98			
	Camden	Local Authority	53	84	80	82	53	84	80	82	37	90	89	87			
	Croydon	Local Authority	81	96	96	93	62	99	99	97	24	99	99	97			
	Ealing	Local Authority	54	84	71	81	52	86	73	83	23	90	89	87			
	Enfield	Local Authority	341	98	92	96	336	98	93	96	115	99	96	97			
	Greenwich	Local Authority	173	69	54	67	134	76	60	74	48	93	86	90			
	Hackney	Local Authority	24	91	90	89	23	92	90	91	5	98	99	97			
	Hammersmith and Fulham	Local Authority	9	88	89	86	9	88	89	86	7	92	92	89			
	Haringey	Local Authority	54	84	84	83	50	84	83	84	7	97	98	97			
	Harrow	Local Authority	125	69	60	67	123	69	60	67	25	92	91	88			
	Havering	Local Authority	124	91	95	89	122	92	95	90	24	92	95	90			
	Hillingdon	Local Authority	284	82	71	80	211	94	87	92	56	97	97	95			
	Hounslow	Local Authority	46	92	80	89	46	92	80	89	9	94	82	91			
	Islington	Local Authority	13	66	68	66	13	66	68	66	4	90	90	88			
	Kensington and Chelsea	Local Authority	6	100	99	99	6	100	99	99	4	100	99	99			
	Royal Kingston	Local Authority	53	98	96	98	52	99	97	98	14	99	95	99			
	Lambeth	Local Authority	20	66	66	64	19	67	69	66	9	88	85	85			
	Lewisham	Local Authority	114	85	82	83	114	85	82	83	6	98	87	96			
	Merton	Local Authority	55	92	87	91	55	92	87	91	16	95	93	93			
	Newham	Local Authority	74	87	85	85	72	89	87	87	36	94	94	91			
	Redbridge	Local Authority	77	69	72	69	77	69	72	69	32	92	94	90			
	Richmond	Local Authority	74	92	79	90	74	92	79	90	14	99	93	97			
	Southwark	Local Authority	63	79	60	77	45	88	71	86	2	93	79	90			
	Sutton	Local Authority	124	81	72	81	80	96	86	96	13	100	88	99			
	Tower Hamlets	Local Authority	55	83	79	82	55	83	79	82	3	93	82	92			
	Waltham Forest	Local Authority	105	94	94	92	102	94	95	93	22	98	97	96			
	Wandsworth	Local Authority	29	89	86	86	28	90	87	87	6	94	94	92			
	Westminster	Local Authority	79	99	98	99	79	99	98	99	56	100	98	99			
	City of London	Local Authority	75	99	99	99	74	100	99	100	12	100	99	100			



Better data quality for better decision making

We have 3,202 Local Authority owned
Highway Structures in London

We have 21,628 elements recorded in
Bridgestation for these Structures

That is a lot of data!



Better data quality for better decision making

But how good is it?

We have a new CEI document coming out (replacing the 2010 version)

LaBEG Good Practice Guide

Creating Consistent Inventory Data
for Highway Structures

Version 3.05
September 2019



We have updated
the VfM document
(replacing the 2011
version)

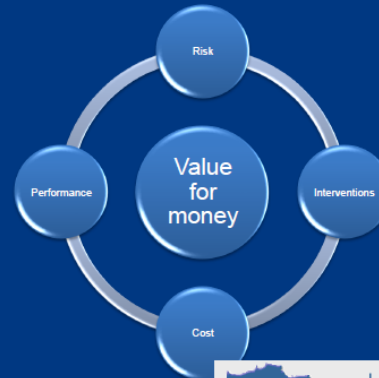
LoBEG Good Practice Guide

Risk-based Prioritization & Value for Money

Objective Risk-Based Prioritization of Planned Maintenance
Work for the achievement of Value for Money.

Version 0.1

June 2017



London Bridges
Engineering Group

We are publishing
the RBI document
to include GIs as
well as PIs

LoBEG Good Practice Guide

Risk-based Inspection of Highway Structures

Objective Risk-based Inspection Planning for the achievement
of Effective Risk Management & Targeted Resourcing

Version 2.0

June 2019



London Bridges
Engineering Group



Maintenance Management (Workbank)

To prioritise maintenance
backlog and develop &
programme work packages.

The screenshot displays the BridgeStation software interface. On the left is a navigation menu with the following items: Actions, Dashboard, Structures, Inspections, Planning & Maintenance, Reports, Maps, Package Finance, and TfL Structures. The 'Planning & Maintenance' menu is expanded, showing a list of options: Life Cycle Plans (SAMPT), Prioritisation (VfM), Routine Maintenance, Structural Reviews, Assessments & Sub-Standard Structures, and Maintenance Management (Workbank). The 'Maintenance Management (Workbank)' option is highlighted. The main content area on the right is titled 'Maintenance Management : Administration' and contains a 'Summary' section with a table. The table has columns for 'Programme Year', 'Authority', 'Defect Count', 'Structure Count', and 'Work Package Count'. Below the table, it states 'No data to display'. Below the table is a 'Settings' section with 'Budget Types' and 'Prioritisation' options.



These new or upgraded modules are all data hungry

To make them work properly, the data has to be good



It is your data

If you want Bridgestation to help you make better decisions, you need to be confident that your data is good

Better data quality enables better decision making

By the way –
good inspections
should produce
good data.
No inspections
can lead to
serious
problems!

