

STATE OF THE HIGHWAY REPORT JULY 2017

The Highway Asset...

Investing in our highway asset is essential to the long term prosperity of Redbridge as a safer, cleaner greener place to live together and a better place for business.

The State of the Highways report is an annual summary on the health of our highway infrastructure, how we are performing and our aims. This is supported by our Asset Management Strategy, Local Implementation Plan and other council strategies to make Redbridge a thriving, prosperous and safe part of London.

Our highway asset in numbers;

	Size of Asset	Equivalent	What we are spending* (2017/18)	Current Good condition	Aim Good condition
Carriageway	535km (332 miles)	Ilford to Edinburgh	£1,378,000	75%	79%
Footway	870km (525 miles)	Ilford to John O’Groats	£1,250,000	37%	52%
Structures	77 No. Combined span 2,500 m	5 QE2 Bridges	£ 448,000 (across 2 years)	90%	95%
Street Lighting Column Replacement	20,967 Units (Total Annual Energy Consumption 8,000,000kWh)	Lighting on average 1721 homes	£330,000	86%	94%
Street Lighting LED Refurbishment Scheme	2278**	–	£2,000,000	100%	100%

**expenditure is based on capital budgets only **currently updating inventories on our lanterns alongside LED Refurbishment Scheme*

Our ambition...

In 2016 we calculated a backlog of a work across our assets of £53.84 million through Investment Modelling. This is the amount of money needed to bring the asset to the desired condition.

In addition to this we have identified that we should be spending £18.74 million, with funding for structures through TfL a year to maintain the asset in the desired condition for the long term.

The benefits of this level of investment would be reduced revenue expenditure fixing potholes and managing dangerous assets but the pressure on revenue and capital funding continues to ensure we drive service improvements, efficiency and challenge to what we are aiming to deliver.

Our activity for 2017/18...

We have established highway maintenance works programmes for 2017/18 as follows;

	Number of Roads to treat
Carriageway	7
Footway	5
Street Lighting Columns	14
Street Lighting LED Refurbishment Scheme	538

The highways maintenance work for 2017/18 is listed below

	Roads to Treat	Programme Schedule	Comments
Carriageway	<u>Principal Roads</u> High Road, Goodmayes	June – October 2017	
	<u>Borough Roads</u> Grove Park (Whole Street)Snaresbrook Ward	Completed	
	Clinton Crescent (Whole Street)Hainault Ward	TBA	
	New North Road (Thurlow Rd to Inglewood Close) Snares brook Ward	Postponed	
	Southdown Crescent (Whole Street), Aldborough Ward	Completed	
	South Park Road (Whole Street) Clementswood Ward	Completed	
	Station Road(Whole Street) Aldborough Ward	In progress	Due to be completed end of October 2017
Footway	<u>Principal Roads</u> High Road, Goodmayes	June – October 2017	
	<u>Borough Roads</u> Chiltern Way (Whitehall Road to end of loop) Monkams Ward	January – March 2018	
	Clayhall Avenue (Berkley Ave to Mossford Lane) Clayhall Ward	Postponed	
	Kestrel Close (Marylon Road to End) Hainault Ward	September – November 2017	
	Tudor Crescent (Aragon Drive to Fencepiece Road) Fairlop	October 2017 March 2018	

<p>Street Lighting</p>	<p><u>Borough wide LED Lantern Upgrade Project(Various Locations)</u></p> <p>Alderborough Ward, Barkingside Ward, Clayhall Ward, Cranbrook Ward, Hainault Ward, Goodmayes Ward, Wanstead Ward, Snaresbrook Ward Roding Ward and Church End Ward</p> <p><u>Column Replacement Programme –</u></p> <p>Kings Avenue– Monkams Ward</p> <p>Beresford Drive– Monkams Ward</p> <p>Princes Avenue– Monkams Ward</p> <p>Worchester Crescent– Monkams Ward</p> <p>Malvern Drive– Monkams Ward</p> <p>Hutton Close – Monkams Ward</p> <p>Park Avenue– Monkams Ward</p> <p>The Green – Monkams Ward</p> <p>Barclay Oval– Monkams Ward</p> <p>Snakes Lane West– Monkams Ward</p> <p>Carlina Gardens– Monkams Ward</p> <p>Coldwall Gardens– Monkams Ward</p> <p>St Anthony’s Ave– Monkams Ward</p> <p>Prospect Road– Monkams Ward</p>	<p>October 2017</p> <p>October 2017</p> <p>October 2017</p> <p>October 2017</p> <p>October 2017</p> <p>TBA</p> <p>October 2017</p> <p>October 2017</p> <p>September 2017</p> <p>October 2017</p> <p>October 2017</p> <p>October 2017</p> <p>October 2017</p> <p>October 2017</p>	
<p>Structures</p>	<p>Structures are funded through TfL and improvement works are bid for annually.</p> <p>Hollybush Hill Bridge, Snaresbrook Ward.</p>	<p>Ongoing</p>	<p>Due to be completed March 2018.</p>

TBA- To Be Arranged

We have established Traffic Management/Accident Remedial Scheme works programmes for 2017/18 as follows;

	Number of Roads to treat
Traffic Calming/Accident Remediation	4
Zebra Crossings	1
Junction Safety Works	1
Traffic Signal Improvements	Borough Wide

	Roads to Treat	Programme Schedule	Comments
Traffic Calming	<u>Principal Roads</u> Clayhall Avenue, Clayhall & Fullwell Ward	October – March 2018	
	Tomswood Hill, Fairlop Ward	TBA	
Zebra Crossings	<u>Principal Roads</u> Ilford Lane, Clementswood Ward	Withdrawn	
Contribution to Traffic Signal Improvements	<u>Principal Roads</u> Clayhall Avenue, Clayhall	Completed	
	Caterham Avenue, Clayhall	Completed	
	Cranbrook Road/The Drive, Cranbrook	Completed	
	High Road/Barley Lane	TBA	
Junction Safety Works	Longbridge Road, Mayfield Ward		Works to be arranged by TfL

TBA- To Be Arranged

We have established Public Realm Scheme works programmes for 2017/18 as follows;

	Roads to Treat	Programme Schedule	Comments
CROSS RAIL COMPLIMENTARY MEASURES	Station Road, Clements wood Ward	April 2017 – September 2017	
	Cranbrook Road o/s Ilford Station, Cranbrook Ward	September 2017 – August 2018	
	High Road, Seven Kings, Seven Kings Wards	December 2016 – March 2019	

How we manage our highways assets...

There are key elements of information we need to have to help us make the best decision in investing in our assets and ensuring they are safe and fit for purpose. In addition we use tools to help us identify the assets that need investment and understand the long term priorities for the asset both in meeting the needs of the community and ensuring the engineering function is maintained.

Some of the key aspects are;

Inventory – knowing what assets we have, quantity, type and location is important. However we also need to balance this with the cost of collecting asset information, sorting it and ensuring it is up to date. We therefore consider the importance of the asset and the essential information and build our knowledge from this base. In all cases we aim to only collect information that has multiple purposes or essential to good investment decisions.

Condition – WE need to fully understand the condition of our assets, particularly critical assets. We undertake regular safety inspections of our assets to ensure they are fit for purpose on a day to day basis. This has differing levels of inspection frequency depending on location, usage and importance. We also undertake longer term condition inspections of our assets to assess the long term deterioration is in line with expectation and to inform forward works programme on all assets.

Works Programming – Selecting and scheduling work activity is important both in terms of making the network functional for users but also in ensuring we are investing where there is widest benefit to the community. Based on asset condition we enhance the works programme with a Value for Money process which prioritise works meeting predefined criteria, such as bus routes, cycle routes and similar factors. We thus ensure investment is focused where the community cost benefits but with awareness of the need to invest in the local roads also.

Delivery of Works – Through public procurement we work with a Contractor that is able to meet our need in the most cost effective manner. We are able to instruct the contractor to carry out works on a needs basis which reduces the cost liability to the council and is regularly market tested through open procurement processes.

Further information...

[Highway Asset Management Strategy](#)

[Local Implementation Plan](#)