

ENJOY WALTHAM FOREST WALKING AND CYCLING ACCOUNT 2017/18



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Foreword from Cllr Clyde Loakes, Deputy Leader and Cabinet Member for the Environment November 2018

What a difference a year makes.
We are coming towards the end

of delivering the Enjoy Waltham Forest programme.

It's been five years since we secured the £27million from Transport for London (TfL) to turn Waltham Forest into a Mini-Holland borough and I believe that we have succeeded in turning our bid into reality.

We are continuing to deliver the Enjoy Waltham Forest programme through improvements to our walking, cycling and public realm infrastructure, and in the last three years we have built more than 22 kilometres of segregated and semi-segregated cycle tracks on our main routes across the borough. We have installed 250 residential bikehangars, over 400 secure cycle parking spaces at our stations, and we have trained more than 10,000 adults and children to ride a cycle.

We have made lots of changes to the streets in our borough and introduced many initiatives aimed at helping more people make use of the new infrastructure on their doorsteps, connecting them to places that were previously not accessible on foot or by cycle. There are also new destinations for our residents and visitors to explore like Walthamstow Wetlands, and as the first London Borough of Culture in 2019 there will be even more reasons for people to come to Waltham Forest and explore what we have to offer.

The changes, aimed at encouraging more people to walk and cycle, have also helped residents reclaim the streets they live on and has led to some really encouraging results. Lots of people are taking ownership of new planted areas in modal filters,

walking more to local stores or getting out on a cycle for the first time in a long time. Many residents are also being emboldened to host street parties to celebrate event such as birthdays, The Royal Wedding and World Car Free Day.

This is our second Walking and Cycling Account which reviews our progress so far. It brings the Enjoy Waltham Forest story up to date and includes some insight into how it is impacting the way people travel.

As the Enjoy Waltham Forest programme comes to an end, we will continue to bid for further funding to deliver our 2020 Vision for walking and cycling. We have been successful in securing funding through the TfL Liveable Neighbourhoods initiative for the Coppermill Area and work has already commenced on this project. We are also currently developing a joint bid with Newham Council to improve walking and cycling in the Cann Hall area of Leytonstone.

Furthermore, it was encouraging to see that independent studies published this year show that infrastructure improvements are helping our residents to be more physically active in cleaner air. It is estimated that these improvements are giving our residents at least an extra six weeks of life expectancy.

While we are not quite at the Netherlands' standards yet, the culture of cycling is clearly well established in the borough and it would be hard to travel around without seeing a cluster of people on cycles during your journey. The same cannot be said of any other outer London borough – that in itself shows we have achieved what we set out to achieve when we started on this journey. With the proven health benefits, it would be remiss of us to stop now, just because the original pot of funding has almost been spent.

I look forward to seeing what the next year will bring with the completion of the Whipps Cross and Walthamstow Gyrotory schemes which will further enhance our walking and cycling network.

A NETWORK OF CYCLING ROUTES

MAP KEY

- Chingford and Highams Park to Crooked Billet Quiet Route
- Crooked Billet to Blackhorse Road Station Cycle Route
- Bloomsbury to Walthamstow Quietway 2
- Forest Road to Wood Street Cycle Route
- Lea Bridge Road Cycle Route
- Blackhorse Road to Leyton Cycle Route
- Leytonstone to Queen Elizabeth Olympic Park Cycle Route
- Leyton to Lea Bridge
- Cycle Hub
- Hospital
- National Rail Station
- London Underground Station
- London Overground Station
- Borough Boundary



ENJOY WALTHAM FOREST'S NETWORK

The Enjoy Waltham Forest programme includes a network of infrastructure improvements on the borough's roads. It includes the introduction of segregated cycle lanes on main arterial roads and a range of improvements in our residential neighbourhoods and town centres to make them safer and more accessible by foot and on bike.

To support these changes, the programme also includes a series of complementary measures to help encourage more people to use sustainable transport modes when going out and about.

Town Centres and Villages

The Enjoy Waltham Forest programme of Town Centre and 'Village' improvements focuses on making our residential areas and shopping districts great places for people to spend time in. By removing through traffic and introducing speed reduction measures on remaining routes, as well as creating new public realm areas with seating, trees, and planting, our streets have become more pleasant areas for people to enjoy.

The first 'Village' was completed in Walthamstow in 2015. It included a part-time closure of Orford Road, a street with shops, many independent, and residential housing above, from 10am to 10pm. In addition, the area saw the introduction of modal filters to prioritise pedestrian and cycle access to residential roads, traffic calming and road safety measures, and the creation of new public spaces. Similar infrastructure changes were introduced in Blackhorse Village and the Hoe Street and Wood Street area in 2016. Public consultation on the final 'Village' in the Markhouse area took place in Autumn 2018.

Leytonstone Town Centre was completed in 2016, with a full suite of measures introduced, including new modal filters, segregated cycle lanes, blended crossings and public realm improvements. Following public engagement, Chingford and Highams Park Town Centres saw a number of improvements focused on safer junctions and crossings to help create several new Quietway type cycle routes.

Leyton Town Centre includes the shopping district of Francis Road, which following the introduction of a timed closure from 10am to 8pm and investment in new footways, planting and seating areas, has been totally transformed into a thriving high street with much more community activity. There are a number of modal filters still to be introduced in the area before the Leyton Town Centre improvements will be complete.

Routes

The biggest projects in the programme are our ambitious improvements on the main roads. To make all roads accessible by cycle in the borough, we need to have a connected network of high quality cycle routes, which enable everybody to use the network.

Our Cycle Route improvements include significant upgrades to our existing cycle network, alongside additional routes, links and connections. Some of these were already our busiest routes for cycling. Other roads included in our plans were less popular but create important local links between town centres, both within Waltham Forest and into our neighbouring boroughs.

We've made good progress on the development of the Enjoy Waltham Forest network, with over 22km of new segregated space for cycling built by the summer of 2018.



Ruckholt Road

Ruckholt Road

The Ruckholt Road scheme, constructed in 2015, is designed to provide a link between the emerging routes in Leyton, Leytonstone and Walthamstow to Queen Elizabeth Olympic Park. The route comprises sections of fully and semi-segregated cycles tracks, separate signals for cycles, and shared zebra crossings for people walking and cycling. The route also has new trees and planted areas to give a greater sense of separation from motor traffic. Further additions to this route are planned to provide an improved link to Queen Elizabeth Olympic Park in the next two years.

Blackhorse Lane

The Blackhorse Lane scheme was introduced in 2016 as part of the major regeneration works in the surrounding area. 65 per cent of the route now features segregated cycle track that extends north of the Blackhorse Road junction with Forest Road and links directly to the Billet Road scheme.

Billet Road

Funded outside of the Enjoy Waltham Forest programme, the Billet Road scheme provides a segregated cycle route between the Crooked Billet roundabout and the existing Blackhorse Lane cycle track. This key link between the north and centre of the borough better connects Highams Park and Chingford with Blackhorse Road, Walthamstow, Walthamstow Wetlands and Lee Valley Regional Park.



Progress on Whipps Cross Junction

Lea Bridge Road

Progress on the flagship Lea Bridge Road scheme has gathered pace this year. The section from the Hackney borough boundary to Markhouse Road, excluding Orient Way junction, is complete, which amounts to 4.4km of segregated cycle track. The major works to widen the bridge at Lea Bridge Station have also recently finished.

The section between Markhouse Road and Russell Road is nearing completion, providing separate space for cycling along this part of the busy route for the first time.

The Markhouse Road junction is also complete, providing direct pedestrian and cycle crossings across this busy junction of Lea Bridge Road for the first time. The junction improvements also include a new area of public space.

The transformation of Whipps Cross roundabout to a signalised T-junction is well under way and is on track for completion by summer 2019.

Markhouse Road

Completion of the Markhouse Road scheme has provided 1,730m of segregated track for people to cycle between the St James Street area and Lea Bridge Road. New and improved places for people to cross the road have been provided in the form of shared pedestrian and cycle crossings.

Biodiversity has been given a boost with the introduction of a linear park parallel to the road between Boundary Road and The Markhouse Centre.



The linear park on Markhouse Road

Leyton to Chingford

Providing a continuous route between Leyton and Chingford to the standard expected of the Enjoy Waltham Forest programme has proved challenging. Constraints on road space and the amount of ongoing change in the borough has meant we need to develop an alternative scheme that can be viably introduced with the funding available. The Council is working with TfL to agree the best way forward for the scheme with the hope of progressing some elements over the next 18 months.

Forest Road

Following the completion of the first section of Forest Road outside Walthamstow Wetlands in 2016, work has significantly progressed. The route is now predominantly complete between Blackhorse Road and Hoe Street (Bell Junction) providing 3,890m of segregated space for cycling.

The Standard Junction (Blackhorse Road Station) and the missing section between the station and

Walthamstow Wetlands are scheduled for completion between 2019 and 2021 using additional funding from TfL and the Greater London Authority.

Quietway 2

Quietway 2 was officially opened in September 2018 and forms part of TfL's wider Quietway network. It links Walthamstow to Bloomsbury in central London via Hackney and Islington. The Waltham Forest section links Walthamstow with the newly opened Walthamstow Wetlands and Lee Valley Regional Park via Selborne Road, Willow Walk and Coppermill Lane.

TfL have also announced that the route will extend to East Acton and further improvements to the route are planned as part of the Coppermill Area Liveable Neighbourhood scheme.

43 modal filters have been introduced

Scheme	Progress Autumn 2018
Blackhorse Road	COMPLETE
Chingford Town Centre	COMPLETE
Forest Road	COMPLETION ESTIMATED WINTER 2018
Highams Park Town Centre	COMPLETE
Hoe Street And Wood Street Area	COMPLETE
Lea Bridge Road	COMPLETION ESTIMATED SUMMER 2019
Leyton Town Centre	COMPLETION ESTIMATED SPRING 2019
Leytonstone Town Centre	COMPLETE
Markhouse Road	COMPLETE
Markhouse Village	CONSULTATION AUTUMN 2018
Walthamstow Village	COMPLETE

REVIEWING WALTHAM FOREST

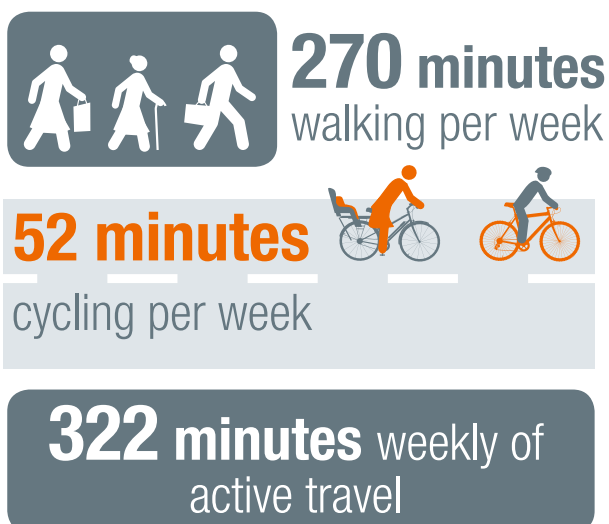
Understanding how people travel

We use data from a range of sources to try and understand how people travel around the borough and how Enjoy Waltham Forest has changed and influenced travel behaviour.

Dr Rachel Aldred, University of Westminster:

Impacts of an active travel intervention with a cycling focus in a suburban context: One-year findings from an evaluation of London's in-progress mini-Hollands programme

A recent study from Dr Rachel Aldred of the University of Westminster revealed that people living in 'high dose' areas of Mini-Holland boroughs, such as Waltham Forest, are walking an extra 32 minutes and cycling an extra nine minutes each week, compared to the outer London average. This is a result of improving active travel infrastructure and introducing travel behaviour change initiatives such as free cycle training, residential bikehangars and station cycle hubs, and the digital Living Map. The study found that residents are undertaking:



King's College London: Environmental Research Group modelling

The researchers used London Atmospheric Emissions Inventory (LAEI) air quality data from 2013 and modelled predicted pollution levels for Nitrogen Dioxide (NO₂) for 2020. They have specifically tailored the work to the borough taking into consideration the Enjoy Waltham Forest programme's segregated cycle lanes, modal filters and reduced 20mph speed limit.

The report concluded that Waltham Forest residents are expected to gain around six to seven weeks of life expectancy if pollution levels decline as predicted. However as residents are still likely to lose between six to ten months of life expectancy due to poor air quality, we will continue to work to improve air quality levels for all our residents.

The researchers also looked at the school run and discovered that in 2013 it is estimated that the school run was responsible for just under 14 per cent of emissions from all cars travelling between 8am and 9am. For 2020, it is estimated under the highest impact scenario there will be a seven per cent reduction in emissions from cars between 8am and 9am. The Enjoy Waltham Forest programme's infrastructure changes account for two thirds of that reduction.

Finally, the team looked at the exposure to air pollution experienced by pedestrians and cyclists, and found that between 2013 and 2020, on popular cycling routes, exposure to NO₂ is predicted to reduce by between 15–25 per cent and for PM_{2.5} by 6–13 per cent.

Resident Insight Survey

The Council engaged with 500 residents across Waltham Forest's community as part of the Resident Insight Survey in the summer of 2018. The results of the survey revealed walking is the most popular method of transport in the borough, with 84 per cent of those surveyed saying walking is their most frequently used mode of transport. 11 per cent of those surveyed cycle as a mode of transport with 73 per cent of these people cycling at least once a week.

Walthamstow Village Review

When we introduced the Walthamstow Village scheme we also made a commitment to review it. Although this was not a legal requirement, we generally review any major schemes once they are complete to understand how the changes are working and whether the objectives have been met. We were also keen to know what the local community thought of the changes made to the Walthamstow Village area.

We gathered feedback from residents, businesses and visitors to the area, as well as community groups and organisations and analysed a large amount of technical information including traffic counts and road safety audits. This information was used to produce the Walthamstow Village Review Report which identifies how we can refine and improve the scheme further, as well as providing valuable insight for future schemes. The full report is available to view on our dedicated website www.enjoywalthamforest.co.uk

1,500 residents
fed back the into
the review

28 per cent
increase in
cycling trips

84 per cent of
visitors thought the
scheme was 'good'

28 per cent
of residents said
walking is their
primary mode
of transport in
the area

19 per cent
increase in
walking trips

"Orford Road's eateries, drinkeries, friendly locals and pretty buildings make it one of east London's nicest streets. But it's not all suburban peace and quiet: Orford Road is a hub of incredible neon art and car park beer parties. It's also got enough community spirit to make you sick, and so much artisanal booze, food and bric-a-brac that you'll have to be dragged kicking and screaming back to whatever polluted hellhole you're visiting from."

A quote from Time Out magazine promoting visiting Orford Road



Orford Road before and after the implementation of the Walthamstow Village scheme

Department for Transport Report

Across London, cycling has increased by 173 per cent since 2001. However, much of this growth has taken place in the inner London boroughs whilst two thirds of the potential for increased cycling lies in outer London.

The Department for Transport's most recent walking and cycling data showed that residents in Waltham Forest were the most active of all outer London boroughs in 2017. More than 40 per cent of adults reported that they walked five times a week, making our residents the keenest walkers in the capital, behind City of London.

In 2017 Waltham Forest became the outer London borough with the highest proportion of residents cycling five times a week, and the sixth highest borough across London – a rise from 11th place the year before.

Breaking Blue Travel Survey

In autumn 2017 we commissioned Breaking Blue to carry out a travel survey with our residents. We wanted to establish current travel patterns, attitudes and behaviours of residents in different areas of the borough. 1,073 interviews were completed with residents from across the borough with representatives from all demographics of the community.

The survey revealed 80 per cent of residents walk at some point in their weekly travel, on average for 90 minutes a week. The survey showed there has been a 10 per cent net increase in walking over the past five years. There is also an appetite for cycling in the borough, with 15 per cent of residents who were surveyed wanting to cycle more.

The Healthy Streets Approach

The Healthy Streets Approach is a core element of the Mayor of London's overall plan for London. By improving air quality and reducing congestion, it helps to make London a greener and healthier city, and creates more attractive places to live, work, play and do business. The approach puts everybody who lives, works, studies or visits London at the centre of how local authorities and Transport for London make decisions about designing, managing and using public spaces.

In order to create 'Healthy Streets' the approach re-examines how London's streets operate and considers ten key factors as seen in the Healthy Streets wheel diagram (below).

We are using this new approach to develop our future schemes.





One in seven

people surveyed have access to a bicycle



85 per cent

of those surveyed said they had access to active travel

Case study: Francis Road

Francis Road is the centre piece of the Leyton Town Centre scheme and was designed before the Healthy Streets concept was devised. The road was used as a shortcut for people driving from High Road Leyton to Grove Green Road, which meant the road was busy at the same time as local children were trying to get to and from the four schools nearby. The road has been transformed from a place dominated by cars parked outside shops and heavy traffic, to a place reclaimed by the community. From an average of

more than 4,750 car journeys on the road each day there is now less than 2,000.

The Council worked with local businesses and residents to develop the design for the scheme, which was built between July 2017 and January 2018. In September 2018 a planting day was held where local residents and businesses finished the scheme off with some carefully selected greenery. Francis Road was named Healthy Street of the Year at the Healthy Streets Awards 2018.



Francis Road before and after the implementation of the Leyton Town Centre scheme.

“Francis Road should be seen as an exemplar of applying the Healthy Streets Approach to local shopping streets.”

Lucy Saunders, Public Health Specialist, Transport for London

There has been a **60 per cent** decrease in traffic levels on Francis Road

WALKING IN WALTHAM FOREST

Walking is the best way to make local journeys. It's free and is an easy way for most people to be active. We want to encourage our residents to make more short journeys on foot.

Walking has many benefits for both local people and the local area. Quite simply, areas that are good for walking are good areas. In areas with high levels of walking there is more social interaction and there are lots of evidence that it's better for local businesses too.

The Enjoy Waltham Forest programme is not just about people cycling. There are lots of improvements aimed at people who walk and encouraging more people to walk short journeys. Most of the work we've been doing in the Villages and Town Centres is aimed at encouraging people to get out and explore their local area on foot.

We do not normally think of walking to the shop as exercise but it is. It is also a really efficient mode of transport with minimal impact on others or the

environment. Walking is our most popular mode of transport, and at 36 per cent, we have the highest walking mode share of the outer London boroughs.

The programme has improved road conditions for pedestrians so that people feel safe to walk for short local journeys and even for a longer leisurely stroll. Crossing points and junctions have been improved to make them safer, and new pedestrianised areas and public spaces have been introduced so that people can explore and enjoy the borough.

Waltham Forest Wanders

As part of the Enjoy Waltham Forest programme a Waltham Forest Wanders guide has been produced for the borough that features six of our favourite walking and cycling trails. The trails showcase some of the famous people, places and secrets of the borough, whilst allowing participants to find new outdoor spaces. The six themed trails are suitable for both walking and cycling and are available to interactively view on the Waltham Forest digital Living Map.



Streetscape improvements on Greenleaf Road outside Greenleaf Primary School

CYCLING IN WALTHAM FOREST

Vision 2020 objective: 10 per cent mode share for cycling in the borough by 2020.

The new and improved infrastructure introduced as part of the Enjoy Waltham Forest programme, supported by behaviour change initiatives, have helped to increase cycling rates in the borough.

The programme's delivery to date has largely been centred around the Town Centres and 'Villages' schemes but now the focus is on the segregated cycle routes. The flagship Lea Bridge Road scheme will be complete by the summer of 2019 and Forest Road between Blackhorse Road Station and Hoe Street will be complete by winter 2018. These routes will create a network which will enable people of all ages and backgrounds to cycle through the borough easily, quickly and safely.



The Lea Bridge Road (Ice Centre) cycle counter



Ruckholt Road cycle counter

At the Lee Valley Ice Centre cycle counter, there was a **50 per cent increase** in the average number of cyclists per day in July 2018 compared to July 2016

On Coppermill Lane there was a **30 per cent increase** in the average number of cycles per day in June 2018 compared to June 2016

On Forest Road, there was a **93 per cent increase** in the average number of cyclists per day in October 2017 compared to October 2016

CYCLING BY NUMBERS

We currently have ten cycle counters across the borough with plans to introduce two more on Markhouse Road by the Linear Park and on Forest Road outside the Ferry Boat Inn Tottenham before the end of 2018.

The numbers of cyclists using the network is encouraging especially considering some sites have experienced infrastructure improvement works this year. Our cycle counters are located on Argall Avenue, Church Road, Coppermill Lane, Crooked Billet Roundabout, Forest Road, Lea Bridge Road, Orford Road, Orient Way and Ruckholt Road.

A cycle counter will be installed on Markhouse Road by the Linear Park and on Forest Road outside the Ferry Boat Inn Tottenham before the end of 2018.

The average temperature of each month is also shown on the graph. It seems to show we have a dedicated bunch of local people cycling come wind, rain or shine!

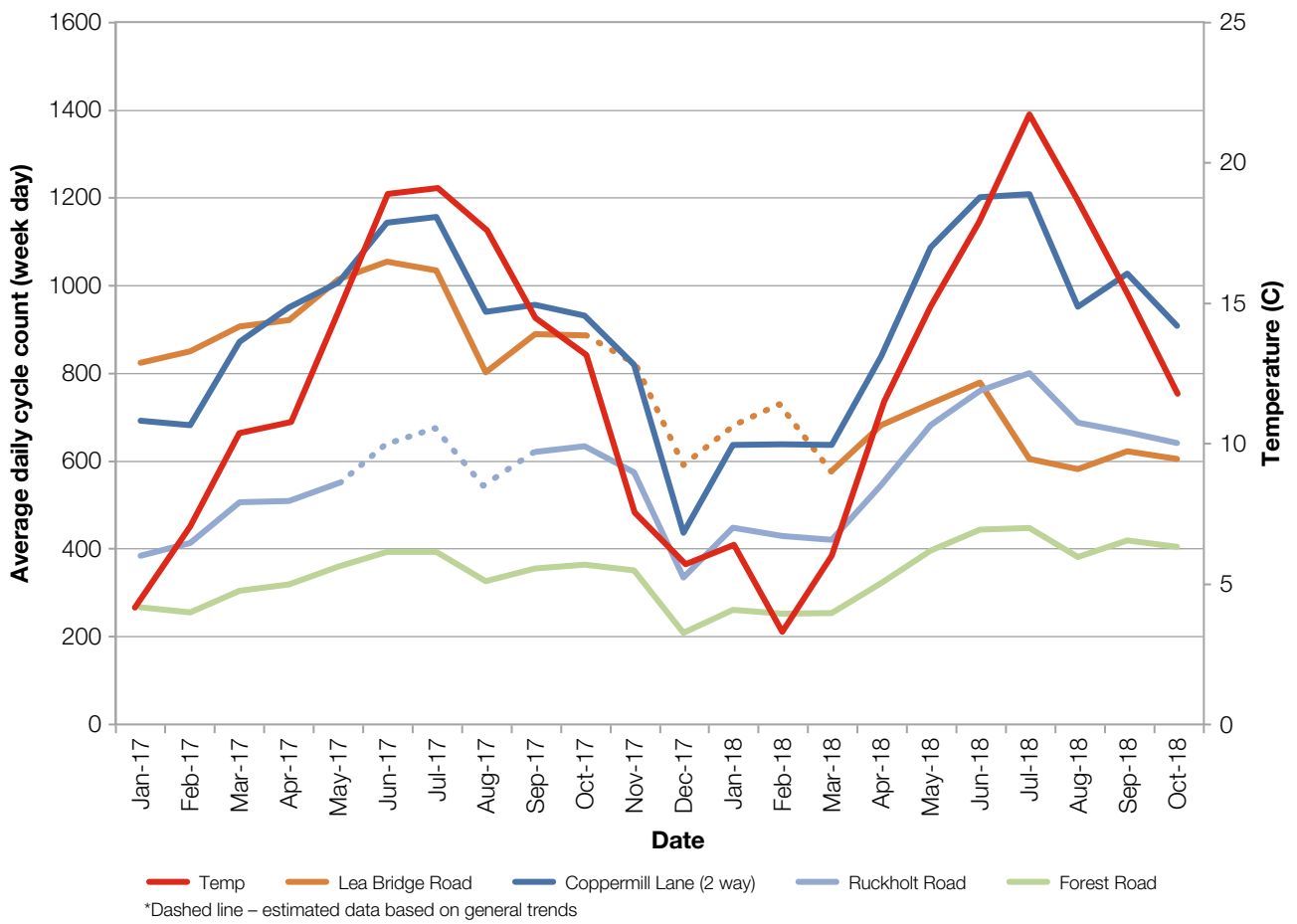
Since January 2017 the lowest average month for seven out of ten of our cycle counters was during the 2017/18 winter. This winter was infamous for extreme weather conditions such as 'The Beast from the East' which brought unusually low temperatures and heavy snowfall to London.

The graph below shows the data collected from the cycle counters since January 2018. The general trend shows an increase in daily cycling on the network as the weather improved through the year. While a decrease was seen in August; this drop can be assumed to the hot weather, school holidays and people going on holiday away from the borough.

We will be continually monitoring the data carefully over the next few months as we move into the winter to see how numbers compare to last year.

Weekday Cycle Count Average										
Scheme	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17
Lea Bridge Road	825	850	907	922	1015	1055	1035	803	890	887
Lea Bridge Road (Ice Centre)	839	810	681	592	588	658	739	529	780	857
Orient Way (2 way)	242	240	300	338	391	413	421	381	427	435
Church Road	146	151	176	189	207	229	238	187	222	219
Coppermill Lane (2 way)	693	682	872	951	1007	1144	1157	940	957	932
Argall Avenue	455	452	501	481	501	553	557	453	517	520
Ruckholt Road	384	414	507	509	550	629	669	556	621	834
Orford Road (2 way)	169	166	218	221	244	277	264	202	246	240
Forest Road	267	256	305	319	360	393	394	326	355	365
Crooked Billet				1149	1249	1373	1392	1172	1251	1243
Average Temperature (°C)	4.2	7.2	10.4	10.8	14.7	18.9	19.1	17.6	14.5	13.2

Cycle Count Daily Averages (week day)



Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Average
824	597	679	720	578	682	731	780	605	582	623	605	799
911	564	687	824	609	727	869	939	1020	810	983	991	794
422	251	308	302	270	343	432	374	437	397	443	452	354
190	131	149	148	147	168	220	254	277	207	242	229	197
820	437	637	639	638	839	1088	1202	1209	953	1028	909	897
508	318	432	430	384	416	506	558	562	488	559	562	478
575	335	448	429	421	546	682	761	801	688	667	641	559
232	135	160	145	164	195	251	311	295	187	261	227	219
352	209	261	252	254	322	397	444	448	382	419	405	340
1123	719	817	822	817	897	1191	1322	1390	1137	1390	1247	1142
7.6	5.7	6.4	3.3	6	11.5	14.9	17.9	21.7	18.7	15.4	11.8	12.3

INVOLVING THE COMMUNITY

Consultation and engagement has been central to the Enjoy Waltham Forest programme. We wanted to build a genuine dialogue with local residents and businesses so that they could help to inform and shape our proposals. As part of our engagement process there are a number of stages that each of our schemes goes through before any changes are made to our streets:

Perception survey

Before developing our designs we carried out perception surveys with residents and businesses to find out what local people think about the area and the types of improvements they would like to see. We used an online engagement tool to help us manage this in an open and transparent way, as well as visiting the areas and conducting street surveys with residents, businesses and visitors.

Co-design workshops

The results of perception surveys are then used to develop a concept design for the area, which is taken to co-design workshops which local residents and businesses are invited to attend. The workshops, led by independent facilitators, include a series of exercises to help shape the designs, ahead of public and statutory consultation.



Residents attending Markhouse Village co-design workshop



Commonplace online engagement platform

Transparency

Commonplace

We have been using the Commonplace online engagement platform for our perception surveys and public consultations. This system allows respondents to comment on specific geographical locations within the borough and provide multiple comments. These comments are published anonymously and other visitors to the

website are able to click in support of the comment and respond with their own views.

Commonplace has been used for a wide variety of consultations, studies and surveys and past and current projects are available to view by visitors to the website.

Analysis of the feedback provided is then published on the Enjoy Waltham Forest website.

Working with frontline services

Before introducing any new modal filters we engage with vital frontline services, including the emergency services, to ensure that our proposals will not prevent them carrying out their duties. In areas with timed road closures, Francis Road, Leyton, and Orford Road, Walthamstow, emergency vehicles are allowed to travel through these routes to respond to emergency calls.

GREAT PLACES

Quieter neighbourhoods

We've had the chance to work with local people to reorganise the way the local street network works and feels. We've introduced traffic calming measures and 20mph speed limits but also lots of new places for people to spend time, adding trees and plants and incorporating spaces for street art and seating.

Residents have been at the forefront of the programme when designing, implementing and maintaining these local schemes.

Streets for residents

Many of the improvements have included creating new pocket parks, green spaces or raised planters. Ahead of introducing these new schemes we met with local residents and businesses to get their input into the plans. Many of the new schemes are adopted by local residential groups or schools, who keep the areas watered, weeded and well maintained.

Waltham Forest Digital Map

Waltham Forest has its own digital map platform, powered by Living Map, which features interactive walking and cycling routes around the borough, locations of cycling infrastructure such as bikehangars and cycle parking as well as information on community amenities. Information is added to the map monthly and is a great way for residents and visitors to plan their journeys around the borough and keep up-to-date with the new infrastructure that is being introduced.

To view the map visit: walthamforest.livingmap.com



Resident planting event on Essex Road, Walthamstow



Planting event at Walthamstow Queens Road Station with Mission Grove Primary School and council officers

350 new trees
throughout the 'Villages'
and 'Town Centres'

15 pocket parks
have been
created

MAKING CYCLE PARKING EASY

Vision 2020 objective: every resident has somewhere to keep their cycle.

Bikehangars: residential cycle parking

Residential bikehangars have become extremely popular in the borough since the Enjoy Waltham Forest programme installed the first hangar three years ago. We now have 250 hangars in residential streets across the borough. Each hangar is smaller than a car and can securely hold six bicycles. Residents can have access to a nearby hangar for £20 a year. There is a waiting list of over 2,700 residents across 500 roads for more bikehangar spaces. Residents can register their interest in having access to a hangar, or suggesting a potential site, by visiting the Enjoy Waltham Forest website.

Year	Bikehangars installed
2015	31
2016	28
2017	113
2018	78



A resident using a bikehangar in Walthamstow

1,500

The number of spaces available in our resident cycle parking hangars

250th Bikehangar

To mark the opening of the 250th hangar on Elmfield Road in July 2018, a special customised hangar was designed featuring an image of a reservoir in the Walthamstow Wetlands. The design was based on feedback from the local community, and was inspired by wildlife in the borough. The Enjoy Waltham Forest team are currently working with the local community to design bespoke hangars to celebrate Waltham Forest being the first London Borough of Culture in 2019.

Waltham Forest's first adapted Bikehangar

In May 2018, Enjoy Waltham Forest installed the United Kingdom's first adapted cycle hangar. RaceRunning provides children who cannot walk unaided the opportunity to experience running with the use of specially adapted cycles. The adapted hangar has allowed for safe, secure storage of three adapted cycles for sessions which take place every Sunday at Waltham Forest Feel Good Centre.

Cycle parking at stations

Cycle parking at stations is vital to encourage multi-modal sustainable travel. Encouraging people to make their first or last mile journeys by cycle benefits everyone as it reduces congestion by lowering the number of short private car trips and frees up space on local public transport for those who need it. This is why we provide cycle stands and Cycle Park and Go hubs outside Waltham Forest's stations.



Leyton Cycle Hub

Cycle Park and Go

We have introduced seven Cycle Park and Go hubs at rail, Overground and Underground stations in the borough. Residents, commuters and visitors can have access to all the hubs for £25 a year. Each hub features two tiered power assisted cycle stands, key fob entry with CCTV, help points manned 24/7 and information boards.

The latest hub to open was at St James Street London Overground station in December 2017. This new hub has a capacity of 28 spaces, increasing the total number of Cycle Park and Go hub spaces to 472.

The Cycle Park and Go network provides **472** spaces in **7** cycle hubs next to London Underground, Overground, and National Rail stations

As part of the Standard Junction improvements outside Blackhorse Road Station there will be more opportunities to create additional new hubs. We are working with developers and local landowners to ensure there are viable options for cyclists to park beside the station in the future.

Leyton was London's first multi-storey Cycle Park and Go hub offering **156** secure cycle parking spaces

Nearly **1,400** people are registered users of Cycle Park and Go facilities



Inside the Leyton cycle hub

AS EASY AS RIDING A BIKE

Cycle training

More residents and school children than ever before took part in the free cycle training offered by the Council in 2017/18. In fact the number of residents taking part in school, individual or group training increased by 410 per cent since 2014.

Only one other borough provided more adult cycle training sessions in partnership with Cycle Confident in the first nine months of 2018. Since January 2018 there have been 726 adults trained in the borough.

Easter and Summer Cycling School

Children can attend the free Easter or Summer Cycling Schools to improve their cycling skills and confidence. These sessions which take place across the borough are extremely popular. 98 children

attended the Easter Cycling School and 211 attended the Summer Cycling School in 2018.

For more information on free cycle training visit www.enjoywalthamforest.co.uk



Cycle training on Orford Road

	2014/15	2015/16	2016/17	2017/18	Percentage change compared to 2014/15	Total (2014/15–2017/18)
Individual Training						
L1	282	629	495	432	+53%	1,838
L2	92	179	192	131	+42%	594
L3	25	33	37	36	+44%	131
Total	437	1,041	923	694	+59%	3,095
Adult Group Training						
L1	111	64	51	116	+4%	342
L2	18	11	12	40	+122%	81
Total	129	75	308	156	+21%	668
*2016/17 includes 245 residents taking part in partnership training e.g. Cycling is my Goal						
School and Youth Groups Training						
L1	376	778	928	633	+68%	2,715
L2	584	626	706	621	+6%	2,537
Total	1,078	1,773	1,904	1,578	+46%	6,333
Total Cycles serviced by Dr Bike	1,644	2,889	3,135	2,428	+48%	10,096

Dr Bike

Dr Bike maintenance sessions are held regularly across Waltham Forest as part of our community engagement programme.

These sessions occur on the first Saturday of every month and also at ad-hoc events. Dr Bike locations can be found displayed in the Cycle, Park and Go hubs, on the Enjoy Waltham Forest website and are promoted on social media.

More than **700** cycles serviced by Dr Bike this year

Maintenance courses

The Enjoy Waltham Forest team provide regular maintenance courses for residents and those who work and study in the borough.

The sessions are free for people to attend and participants receive training on how to fix their cycles, repair simple punctures, maintain their chains and check their brakes.

All children who attended Mini Tour de Waltham Forest took part in a mini maintenance course and learnt how to safety check their cycle and fix simple problems.

Maintenance courses are also being delivered at Leytonstone Repair Café at St Johns Church Hall on the third Saturday of every month.

Brompton Dock

Brompton Bike Hire has been operating in the borough since 2015. There are now 41 cycle docks across the country, with three of these in Waltham Forest.

You can hire a bike from Walthamstow, Leyton or Leytonstone station from £3.50 a day. The bikes are extremely popular with over 250 hires in July 2018 alone.



Dr Bike at Le Tour de Waltham Forest 2018



Mini maintenance course at Mini Tour de Waltham Forest 2018



Brompton Dock on Selborne Road, Walthamstow

CYCLING IN THE COMMUNITY

Cargo bike loan scheme

We have four cargo bikes available that anybody who lives, works or studies in the borough can borrow free of charge.

The cargo bikes are available on loan for two weeks, and resident and businesses can choose to borrow:

- Christiania Cargo
- Christiania Cargo Long (electric assist)
- Bakfiet Classic Short
- Douze Family (electric assist)

The scheme has been extremely popular, with over 40 people using our cargo bikes in the first half of 2018.

More details about the scheme and how to register your interest can be found at:

www.enjoywalthamforest.co.uk/cargo-bike

Community bike loan scheme

We have 40 community bikes which are available for hire for anyone who lives, works or studies in the borough. For a small refundable deposit the bikes are available for loan for three weeks. During the summer of 2018 the bike loan scheme was at full capacity and had to operate a waiting list system.

If you loan a bike you are asked to keep a travel diary which documents how you have used it, and how you previously would have made the journey. The bikes have been used for a wide variety of journeys and have even travelled up and down the country.

We have lent bikes to community groups, places of worship and schools. Mission Grove Primary School have used the bikes for cycle training and in their curriculum and Waltham Forest College have used the bikes as part of their mechanical engineering course.

More details and information of how to register for the community bike loan scheme can be found at:

www.enjoywalthamforest.co.uk/cargo-bike

Le Tour de Waltham Forest

Le Tour de Waltham Forest 2018 took place on Sunday 24 June and was a highly successful cycling event with more than 750 participants. Starting in Leyton Jubilee Park there were three routes available to participants:

- 7.5km leisure route
- 12km explore route
- 18km adventure route



Participants of Le Tour de Waltham Forest cycling down Argall Way

The routes took participants across the borough, over to the nearby Hackney Marshes and along the Lea Canal tow path. Members of the Waltham Forest Cycling Campaign led and marshalled the routes. Once the participants returned to Leyton Jubilee Park they received a free cycling goodie bag and could have their bike checked by Dr Bike, have a go on a cycle power Scalextric, make a pedal powered smoothie or generate motivating tunes by pedalling a juke box.

A number of participants took part in more than one route and in total the participants cycled **9,010km**.

Inclusive cycling: All Ability Cycling Club

Since spring 2018, the Enjoy Waltham Forest team partnered with Bikeworks to provide free inclusive

cycle sessions to anybody who lives, works, studies or visits the borough. The clubs are open to all and Bikeworks have a variety of cycles such as relaxed tricycles, KMX recumbents and hand-cycles to cater for a range of abilities.

Sessions have taken place in Lloyd Park, Ridgeway Park and Langthorne Park this summer. Regular sessions take place in Lloyd Park on the third Thursday of every month and have been well attended.

More details can be found at: bikeworks.org.uk/all-ability

The Big Local – St James Street

The Big Local's mission is to enable residents in the local area to make their communities and areas better places to live in.

They have just launched their Silver Cycle Scheme which is designed to help older residents within the St James Street area get out and about thanks to the use of the Council's Christiania Taxi bike.

The project is recruiting volunteers to transport an older person around on the bike, perhaps taking them for a trip to the Walthamstow Wetlands or to meet a friend for coffee. All volunteers are provided with training on the taxi bike.

For more information or how to get involved please email: stjamesbiglocal@gmail.com



All Ability Cycling Club in Lloyd Park



Silver Cycling Scheme



A member of staff trialling a bike at Thorpe Coombe Hospital

Case Study: Thorpe Coombe Hospital

To ensure local employers and their staff utilise the new Enjoy Waltham Forest infrastructure the Council has ten bikes available for staff to hire on a short term loan. Recently we worked with Thorpe Coombe Hospital, facilitating cycle training for staff and working with the NHS team to encourage staff to incorporate walking and cycling into their commute and as part of home visits. We hope to work with other key organisations in the borough to deliver their business needs more sustainably.

COMMUNITY GROUPS

Walthamstow Family Bike Club

For over 13 years the Waltham Forest Cycling Campaign (WFCC) has been campaigning for inclusive cycling in the borough. The WFCC, which is run by volunteers, also organise regular Walthamstow Family Bike Club rides.

The bike club is free and arranges at least two family rides per month. The aim of these rides is to have a relaxed and enjoyable afternoon exploring the borough by cycle. The rides regularly attract as many as 30 local people.

The two rides are split with a 'Newcomers' ride every third Sunday of the month and an 'Open Spaces' ride every second Sunday of the month. The Newcomers ride is intended for those who are new to cycling, including families with young children, and tours around the quiet streets of Walthamstow Village. The 'Open Spaces' ride has an easy and inviting pace that generally covers a total distance of 15 miles. The ride leaders are accommodating and do their best to tailor the route to the abilities of those attending.

More information on the group can be found at: <https://wfcycling.wordpress.com/rides>

Higham Hill COG

The Higham Hill COG is run by the Metropolitan Police in partnership with British Cycling.

The COG offers free cycle training in Higham Hill Recreational Ground, cycle training on roads, runs

maintenance courses and works with rehabilitating young offenders to ensure they have life skills such as how to maintain a bicycle.

This year the COG hosted a Road Safety Emergency Services day in July which was well attended. It included an emergency services display dealing with a road traffic collision, allowed the public to meet with all the emergency services and also featured a Dr Bike session and stalls from local cycle shops.

More information on the Higham Hill COG can be found at: <https://twitter.com/cogcyclehh>

Cycle Sisters and Hornbeam Joyriders

The Cycle Sisters and Hornbeam Joyriders are two ladies cycling community groups. The groups now host two weekly cycle rides, regular family weekend rides and in partnership with Cycle Confident, provide cycle training for beginners utilising the Council's community bike scheme. The Cycle Sisters and Hornbeam Joyriders now have 80 members who regularly participate in these social rides.

Since the groups began 25 members have now purchased their own bike and nine members now cycle their whole commute to work.

The groups have exciting future plans to encourage the cycling culture in Waltham Forest. You can find more information on and how to get involved with the groups at: facebook.com/JoyRidersWalthamstow



Walthamstow Family Bike Club



The Hornbeam Joyriders

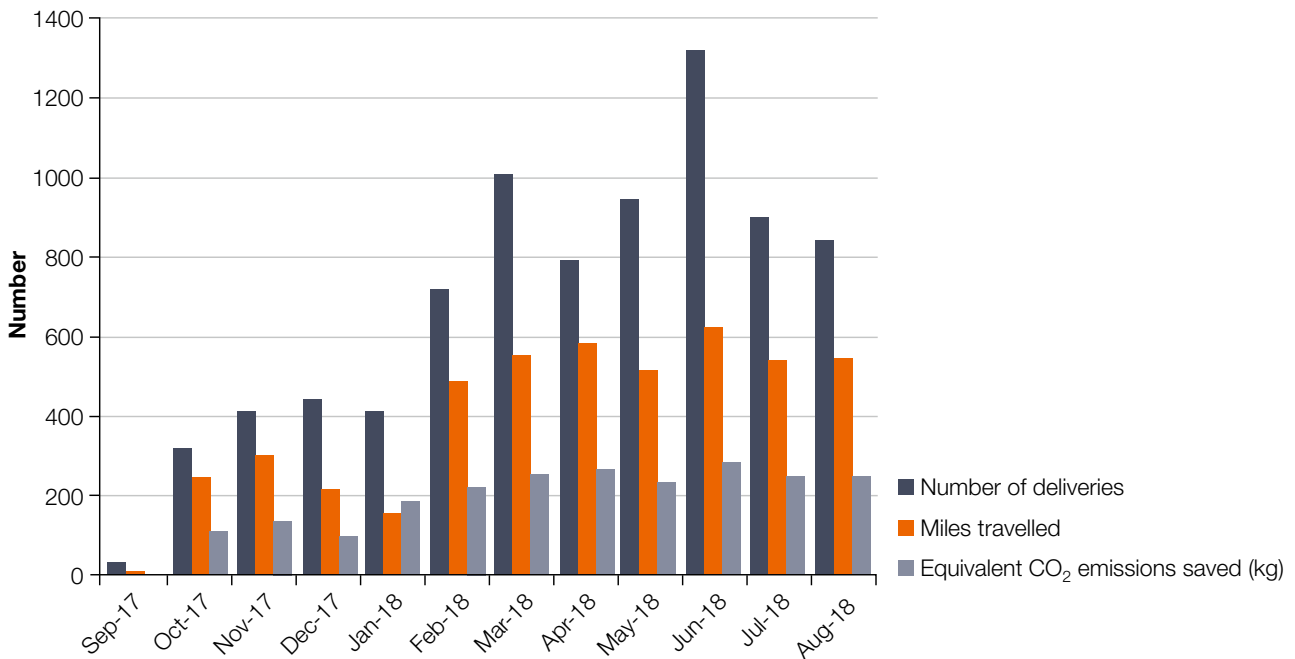
WORKING WITH BUSINESSES

ZED

Waltham Forest Council was successful in securing Mayor's Air Quality Funding in 2016 to establish a zero emissions delivery service. We are the first local authority in the UK to introduce a zero emissions delivery service and the scheme launched in September 2017.

The scheme has grown over the last 12 months and ZED now delivers for 29 local business including local coffee roasters, cafés, organic vegetable growers and the Council's library service. ZED has delivered 7,335 packages, travelled over 4,263 miles, and saved an estimated **2,076kg CO₂** equivalent emissions from entering the atmosphere.

ZED KPIs



ZED fleet at their depot



The Mayor of London and the Deputy Mayor for Environment and Energy visited Francis Road, Leyton and met the ZED team

WORKING WITH SCHOOLS

STARS (School Travel Plans)

Since 2007, TfL's STARS active travel and sustainable transport scheme has replaced over 22 million kilometres of car journeys in London with active travel. The average school run in Waltham Forest is less than a kilometre, or a maximum of a ten minute walk. We have been working with schools across the borough to enable them to apply for STARS accreditation; which is obtained by the school actively promoting and working towards becoming an active and sustainable travel aware school.

We were pleased that more than half of the schools in Waltham Forest applied for STARS accreditation in the 2017/18 academic year.

Nine schools in Waltham Forest achieved gold accreditation for their hard work facilitating active travel and sustainable transport, and overall we now have **52** schools STARS accredited in the borough.

More information on the STARS Travel Plan scheme can be found here: <https://stars.tfl.gov.uk/>

Ainslie Wood Primary School	Bronze
Barclay Primary School	Silver
Barn Croft Primary School	Bronze
Burnside Secondary PRU (Hawkswood Group)	Bronze
Buxton School	Silver
Chapel End Infants and Early Years Centre	Bronze
Chapel End Junior Academy	Bronze
Chingford C of E Primary School	Silver
Chingford Hall Primary Academy	Silver
Connaught School for Girls	Silver
Coppermill Primary School	Bronze
Davies Lane Primary School	Gold
Dawlish Primary School	Silver
Edinburgh Primary School	Gold
Frederick Bremer School	Bronze
George Mitchell School	Silver
George Tomlinson Primary School	Bronze
Greenleaf Primary School and Nursery	Silver
Gwyn Jones Primary School	Bronze
Heathcote School and Science College	Bronze
Henry Maynard Primary School and Nursery	Silver
Hillyfield Primary Academy	Bronze
Holy Family Catholic & Sixth Form	Bronze
The Jenny Hammond Primary School	Silver
Kelmscott School	Bronze
Larkswood Primary Academy	Gold

Leyton Sixth Form College	Bronze
Longshaw Primary Academy	Bronze
Mayville Primary School	Gold
Mission Grove Primary School	Gold
Newport Primary School	Bronze
Noor Ul Islam Primary School	Silver
Norlington School and Sixth Form	Silver
Oakhill Primary School	Bronze
Our Lady and St George's Catholic Primary and Nursery School	Silver
Parkside Primary School	Silver
Roger Ascham Primary School	Bronze
Riverley Primary School	Bronze
Selwyn Primary School	Bronze
South Grove Primary School	Silver
St Mary's C of E Primary School	Gold
St Saviour's C of E Primary School	Bronze
Stoneydown Park Primary School	Gold
Sybourn Primary School	Gold
The Winns Primary School	Silver
Thomas Gamuel Primary School	Bronze
Walthamstow Primary Academy	Bronze
Whitehall Primary School	Bronze
Willowfield Humanities College	Silver
Woodford Green Primary School	Gold
Woodside Primary Academy	Bronze
Yardley Primary School	Bronze

Mini Tour de Waltham Forest

The Enjoy Waltham Forest team host the annual Mini Tour de Waltham Forest inter-school competition each year in Leyton Jubilee Park.

The 2018 event saw 180 year 5 and 6 pupils from 18 schools take part.

The event consists of an inter-school cycle race, making healthy smoothies using a smoothie bike, climbing into a large HGV to see the driver's blind spots and learning about cycle maintenance. All children who participated took home a bag filled with cycling goodies.

Prior to the event British Cycling visited the schools to help the teams brush up on their cycling confidence and race skills.

St Joseph's Catholic Junior School won the morning session and South Grove Primary School won the afternoon session.

Walk to School Week 2018

This year's National Walk to School Week took place between 21–25 May and 44 primary schools from Waltham Forest joined thousands of children across the country to celebrate the benefits of walking.

All participating schools received a walking card, stickers and a chance to win tickets to the borough's, own Ninja Park to encourage the children to walk to school or walk at least a mile a day.

Over **22,500** pupils aged 4–11 took part in Walk to School Week 2018



Mini Tour de Waltham Forest

School Crossing Patrols

School crossing patrols help children and adults cross the road safely on their way to and from school if they are walking, scooting and cycling. Waltham Forest has 13 school crossing patrols at primary schools across the borough. The school crossing patrols also work inside the schools holding assemblies as well as educating the whole community while carrying out their daily duties.

Dee, who is based at Newport School in Leyton, has been on her crossing for 45 years, in fact she may be the longest serving School Crossing Patrol Officer in the UK!

To celebrate the team's hard work we held a Highways Heroes celebration in December 2017 which our School Crossing Patrol Officers attended at Waltham Forest Town Hall. It was a chance for officers to meet and share best practice. They met the Council's chief executive Martin Esom who praised them for their contribution to road safety in the borough.



Dee receiving her rosette for 45 years on her crossing from the Chief Executive of the Council, Martin Esom

SAFER STREETS

2020 objectives: reduce the likelihood of people cycling being hurt or injured on the borough's roads

Creating safer streets is a key focus of the Enjoy Waltham Forest programme. Many of the changes have been developed to improve road safety and reduce vehicle speeds. In residential areas, removing through routes for motor traffic and prioritising people walking and cycling all contribute to making the borough a safer place to get around.

Borough-wide Casualty Data – Jan 2015 to Dec 2017				
	2015	2016	2017	Total
Slight	757	761	751	2,269
Serious	47	56	89	192
Fatal	1	4	4	9

Casualties by type*	Total	%
Car Driver	807	32.67
Pedestrian	448	18.14
Pedal Cyclist	325	13.16
Car Passenger	376	15.22
PTW Rider	278	11.62
PSV Passenger	97	3.93
Goods Driver	43	1.74
Hack/PRI Driver	27	1.09
Hack/PRI Passenger	17	0.69
PSV Driver	9	0.36
Pillion Passenger	6	0.24
Good Passenger	19	0.77
Others/Unknown	9	0.36
Total	2,461	100

*Please note that more than one casualty can occur per collision

The most recently analysed data on collisions and injuries associated with road traffic is for 2015–17.

The tables on this page show borough wide data for casualties and severity and vehicle type and the number of associated collisions.

The road user group most commonly involved in collisions in the borough are car drivers (807) representing 33 per cent of casualties between January 2015 to December 2017. Cars represented 68 per cent of all vehicles involved in collisions in the same period.

Borough-wide Collision Data – Jan 2015 to Dec 2017				
	2015	2016	2017	Total
Slight	596	612	595	1,803
Serious	45	56	82	183
Fatal	1	4	4	9

Vehicles involved	Total
Car	2,443
Pedal Cycle	331
Power Two Wheeler	301
Goods < 3.5T	314
PSV	129
Hackney/Private	99
Goods > 3.5T	33
Other/Unknown	21
Minibus	6
Other Motor Vehicles	2
Total	3,679

*Please note that more than one vehicle can be involved in a single collision

Walking

Walking is often perceived as a safe way to travel and is becoming an increasingly popular way to get around. However, pedestrians made up 18 per cent of those injured on the borough's roads from January 2015 to December 2017. The most common places where pedestrians were injured were at junctions and in side roads.

The Enjoy Waltham Forest programme targets these areas to reduce the likelihood and severity of pedestrian injuries through managing motor vehicle users behaviour and speed.

Cycling

Cycling is a relatively safe way to get around, however like most modes of transport there are risks involved. It is worth highlighting that the health benefits far outweigh these risks.

In the last two years cyclists have been involved in nine per cent of collisions although they have made up 13 per cent of those resulting in a casualty. For the previous two years cyclists were involved in 11 per cent of collisions and made up 15 per cent of casualties. With the Enjoy Waltham Forest programme continuously working to improve cycling the aim is that these numbers will continue to decrease.

Road Safety Study

Waltham Forest Council recently received funding from the Road Safety Trust for a three year project to research people's perceptions of safety while travelling around the borough.

Public transport users, motorists, cyclists and pedestrians in Waltham Forest have been and will continue to be invited to take part in a road safety study online. Using Commonplace, survey users can place pins on a map of Waltham Forest and make comments on how safe they feel in these areas. So far, over 1,500 comments have been received.

The feedback received will be analysed in conjunction with collision data to identify if there is any correlation between residents' perception of safety and the locations where collisions happen. This is an ongoing research project.

To take part visit: wfroadsafety.commonplace.is

104 pedestrian crossings
have been improved



Road Safety Study promotional literature; this has been displayed all over the borough

91 safer junctions
through the introduction
of blended crossings

24 tiger crossings
have been installed

AWARDS AND RECOGNITION

Awards

The Enjoy Waltham Forest programme has had another successful year and in the last six months has won two Institute of Civil Engineers awards, one being the People's Choice Award.

The programme has also been shortlisted for 14 awards, including four National Transport Awards.

Tours

Since the Enjoy Waltham Forest programme began, over 20 walking and cycling tours of its infrastructure and complementary measures have taken place. The team has delivered tours to local authorities, TfL delegates, community groups and university students from both the UK and overseas.

Healthy Streets Conference

Waltham Forest hosted the Healthy Streets Conference, Exhibition and Awards ceremony in September 2017. The event saw speakers and exhibitions promoting air quality, active travel, health and wellbeing and Healthy Streets best practice. As part of the conference tours of the Enjoy Waltham Forest programme were held, with both the walking tour and cycling tour at full capacity. The event was successful with over 300 attendees on the day.

The conference included the launch of ZED, Waltham Forest's zero emission delivery service and the production of Waltham Forest's first Walking and Cycling Account.

Deputy Leader and Cabinet Member for the Environment Cllr Clyde Loakes spoke at the 2018 conference held at the Guildhall, alongside local business owners from Leyton.

The Enjoy Waltham Forest programme won three awards including Healthy Street of the Year 2018, Healthy Street Photo of the Year and Best Healthy Streets Behaviour Change Initiative.



The Healthy Streets Awards 2017



Walking tour of the Enjoy Waltham Forest programme



Beginning of the cycling tour of the Enjoy Waltham Forest improvements

WHAT'S NEXT?

As the initial Enjoy Waltham Forest funding concludes in March 2020, what are our plans to continue encouraging our residents to walk and cycle more?

Infrastructure improvements

The Council has already been successful in securing Transport for London funding for a Liveable Neighbourhoods scheme to improve walking, cycling and transport infrastructure in the Coppermill Area. The scheme will run for five years and include extensive monitoring. The team has already begun engaging with residents about what improvements they would like in their area and we expect to enter the co-design stage of the project next year.

We are also working with our neighbouring borough Newham on a joint bid for a Liveable Neighbourhoods scheme where our boroughs meet in Leytonstone to ensure that our residents are able to safely connect with emerging employment destinations and existing leisure sites in Stratford.

We will also continue to monitor our schemes, particularly the new segregated cycle routes, to see the impact these changes have had on residents' choice of travel mode.

Complementary Measures

There is clear demand and appetite from our residents to continue to roll out the residential Bikehangar programme to more locations. As 2018 comes to an end we are embarking on consultations with residents for a further 50 hangar locations, and a further 50 sites have been earmarked for consultation next year. We are also working with developers in the Blackhorse Road station area to expand our Cycle, Park and Go facilities to ensure there are more opportunities for residents and visitors to securely park their cycles.

The team will continue to work with schools in the borough to increase the number of school travel plans and TfL STARS accredited schools, and work has already begun on organising Mini Tour de Waltham Forest 2019.

The community bike hire fleet will be increasing in the new year alongside adapted cycles being added to the cargo bike hire scheme, meaning more residents than ever before will be able to trial cycling before buying their own cycle. The Council will also be exploring how electric bikes can be part of the borough's future, starting with staff trials in the new year.

Road Safety

We are fully supportive of Transport for London's Vision Zero commitment, which is why we have been rolling out lower speed limits of 20mph on some of our arterial roads like Forest Road and Lea Bridge Road.

We will continue to work with schools to educate pupils about how to behave on the borough's roads and provide free cycle training to school children to encourage a new generation of cyclists in the borough.

Sustainability

While our main focus is to encourage residents to reduce their reliance on motor vehicles to get around the borough, especially for local trips, we do recognise that there is still a demand for access to cars. This is why we are encouraging the introduction of car clubs, so that residents can have access to a vehicle as and when they need it, without the overhead costs.



The launch of the Winchester Road charge point



**WALK
CYCLE
ENJOY**