

Low Traffic Neighbourhoods

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Waltham Forest Mini-Holland

- Part of the Mayors Transport Strategy
- Competition open to all outer London boroughs
- Scope of £27 million bid was to include:
 - A world class commuter route
 - A Main Town Centre
 - Secondary Centres
 - A Network of Excellent Cycle Routes
 - Complementary Measures



A NETWORK OF WALKING AND CYCLING ROUTES

Connecting the borough



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Waltham Forest

- One of the 18 outer London boroughs, in north-east London
- Population of about 290,000 people
- Young average age (32 years)
- A growing borough with lots of development and regeneration
- A host borough of London 2012 Olympics
- Diverse borough with significant eastern European and Asian populations



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Why Waltham Forest?

- An existing car dependent culture and a growing population reducing pollution and encouraging healthy, active lifestyles
- Opportunity to redesign streets and make them better for everyone
- World class cycling and walking links from all parts of the borough to work, education, recreation, nature
- Encouraging people from all communities to walk and cycle more, reducing car use
- Supporting growth and development in a sustainable way



Frederick Bremer, Walthamstow



John Kemp Starley, Coventry



Boris Johnson, London



Edie and Otis, Leyton

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Why Waltham Forest?

- Encouraging people from all communities to walk and cycle more, reducing reliance on private vehicles
- Making streets better places to be for everyone
- Healthier streets- reducing pollution and encouraging healthy, active lifestyles
- The entire borough was designated an Air Quality Management Area



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Network of routes

- Continuous, joined up network
- Doesn't give up at the difficult places
- Links villages and town centres together for longer journeys
- Direct links into the wider London cycling network with continuous segregated journeys possible from Waltham Forest into central London
- Connects the key destinations in the borough and those nearby



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The Villages

Walthamstow Village, Markhouse Village, Blackhorse Village and Hoe Street/Wood Street

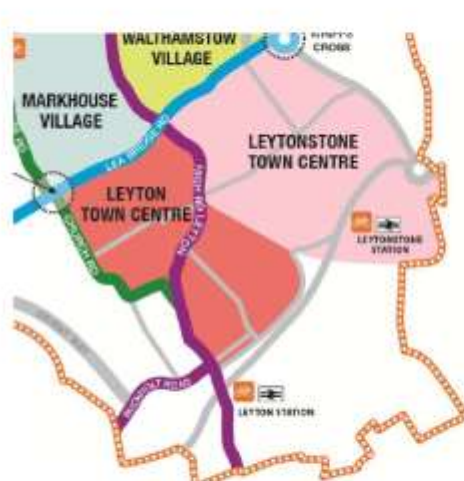
- A cycling (and walking) grid of $\leq 400\text{m}$
- A local network that is protected from traffic conditions on main roads
- Wayfinding for short and long journeys
- Direct access into local and London cycle network
- Cycle parking- at stations, shops and at home



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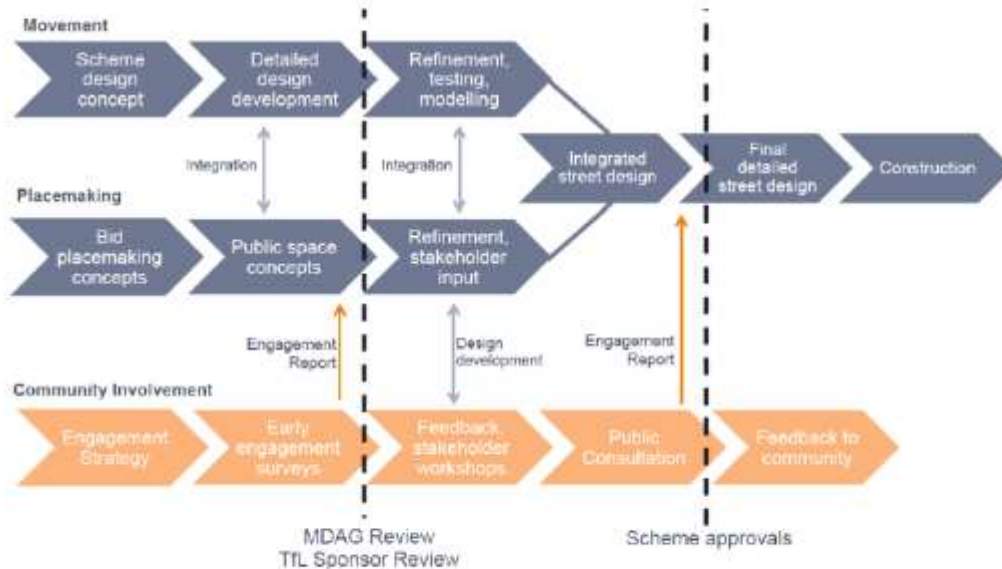
The Town Centres

Chingford, Highams Park, Leyton, Leytonstone



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Design process



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Resources and documentation



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Project process

- Early engagement- resident meetings, Perception Survey
- Design workshops with residents and businesses
- Public consultation inc. drop-in sessions, walking audits
- Reporting process
- Statutory consultation
- Construction



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The Villages

Walthamstow Village, Markhouse Village , Blackhorse Village and Hoe Street/Wood Street

- Distinct urban villages with their own identities that are great places to walk and cycle
- Quiet green areas free of through traffic
- 20mph speed limit
- New public spaces and better shopping areas
- New places for informal socialising play
- Get to know your neighbours



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The Villages

Walthamstow Village local connections



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The photograph shows a meeting room with several people seated at long tables, engaged in discussion. In the foreground, two handwritten notes are visible:

Left Note:

- 1. Identify the problem - What is the problem?
- 2. Define the problem - What is the problem?
- 3. Identify the cause - What is the cause?
- 4. Identify the effect - What is the effect?
- 5. Identify the solution - What is the solution?
- 6. Identify the action - What is the action?
- 7. Identify the result - What is the result?
- 8. Identify the impact - What is the impact?
- 9. Identify the benefit - What is the benefit?
- 10. Identify the cost - What is the cost?
- 11. Identify the risk - What is the risk?
- 12. Identify the opportunity - What is the opportunity?
- 13. Identify the challenge - What is the challenge?
- 14. Identify the goal - What is the goal?
- 15. Identify the strategy - What is the strategy?
- 16. Identify the tactic - What is the tactic?
- 17. Identify the tool - What is the tool?
- 18. Identify the method - What is the method?
- 19. Identify the process - What is the process?
- 20. Identify the system - What is the system?
- 21. Identify the framework - What is the framework?
- 22. Identify the model - What is the model?
- 23. Identify the theory - What is the theory?
- 24. Identify the concept - What is the concept?
- 25. Identify the principle - What is the principle?
- 26. Identify the law - What is the law?
- 27. Identify the rule - What is the rule?
- 28. Identify the guideline - What is the guideline?
- 29. Identify the standard - What is the standard?
- 30. Identify the norm - What is the norm?
- 31. Identify the practice - What is the practice?
- 32. Identify the habit - What is the habit?
- 33. Identify the routine - What is the routine?
- 34. Identify the behavior - What is the behavior?
- 35. Identify the attitude - What is the attitude?
- 36. Identify the mindset - What is the mindset?
- 37. Identify the perspective - What is the perspective?
- 38. Identify the viewpoint - What is the viewpoint?
- 39. Identify the opinion - What is the opinion?
- 40. Identify the belief - What is the belief?
- 41. Identify the faith - What is the faith?
- 42. Identify the trust - What is the trust?
- 43. Identify the confidence - What is the confidence?
- 44. Identify the assurance - What is the assurance?
- 45. Identify the certainty - What is the certainty?
- 46. Identify the conviction - What is the conviction?
- 47. Identify the determination - What is the determination?
- 48. Identify the resolve - What is the resolve?
- 49. Identify the commitment - What is the commitment?
- 50. Identify the dedication - What is the dedication?
- 51. Identify the devotion - What is the devotion?
- 52. Identify the loyalty - What is the loyalty?
- 53. Identify the allegiance - What is the allegiance?
- 54. Identify the fidelity - What is the fidelity?
- 55. Identify the faithfulness - What is the faithfulness?
- 56. Identify the honesty - What is the honesty?
- 57. Identify the integrity - What is the integrity?
- 58. Identify the sincerity - What is the sincerity?
- 59. Identify the genuineness - What is the genuineness?
- 60. Identify the authenticity - What is the authenticity?
- 61. Identify the originality - What is the originality?
- 62. Identify the uniqueness - What is the uniqueness?
- 63. Identify the distinctiveness - What is the distinctiveness?
- 64. Identify the individuality - What is the individuality?
- 65. Identify the personality - What is the personality?
- 66. Identify the character - What is the character?
- 67. Identify the nature - What is the nature?
- 68. Identify the essence - What is the essence?
- 69. Identify the core - What is the core?
- 70. Identify the heart - What is the heart?
- 71. Identify the soul - What is the soul?
- 72. Identify the spirit - What is the spirit?
- 73. Identify the mind - What is the mind?
- 74. Identify the intellect - What is the intellect?
- 75. Identify the reason - What is the reason?
- 76. Identify the logic - What is the logic?
- 77. Identify the sense - What is the sense?
- 78. Identify the feeling - What is the feeling?
- 79. Identify the emotion - What is the emotion?
- 80. Identify the passion - What is the passion?
- 81. Identify the desire - What is the desire?
- 82. Identify the want - What is the want?
- 83. Identify the need - What is the need?
- 84. Identify the requirement - What is the requirement?
- 85. Identify the condition - What is the condition?
- 86. Identify the circumstance - What is the circumstance?
- 87. Identify the situation - What is the situation?
- 88. Identify the context - What is the context?
- 89. Identify the environment - What is the environment?
- 90. Identify the background - What is the background?
- 91. Identify the history - What is the history?
- 92. Identify the past - What is the past?
- 93. Identify the present - What is the present?
- 94. Identify the future - What is the future?
- 95. Identify the time - What is the time?
- 96. Identify the space - What is the space?
- 97. Identify the place - What is the place?
- 98. Identify the location - What is the location?
- 99. Identify the area - What is the area?
- 100. Identify the region - What is the region?
- 101. Identify the zone - What is the zone?
- 102. Identify the territory - What is the territory?
- 103. Identify the domain - What is the domain?
- 104. Identify the realm - What is the realm?
- 105. Identify the kingdom - What is the kingdom?
- 106. Identify the empire - What is the empire?
- 107. Identify the nation - What is the nation?
- 108. Identify the state - What is the state?
- 109. Identify the country - What is the country?
- 110. Identify the land - What is the land?
- 111. Identify the earth - What is the earth?
- 112. Identify the world - What is the world?
- 113. Identify the universe - What is the universe?
- 114. Identify the cosmos - What is the cosmos?
- 115. Identify the galaxy - What is the galaxy?
- 116. Identify the system - What is the system?
- 117. Identify the network - What is the network?
- 118. Identify the web - What is the web?
- 119. Identify the mesh - What is the mesh?
- 120. Identify the grid - What is the grid?
- 121. Identify the lattice - What is the lattice?
- 122. Identify the framework - What is the framework?
- 123. Identify the structure - What is the structure?
- 124. Identify the form - What is the form?
- 125. Identify the shape - What is the shape?
- 126. Identify the figure - What is the figure?
- 127. Identify the image - What is the image?
- 128. Identify the picture - What is the picture?
- 129. Identify the scene - What is the scene?
- 130. Identify the view - What is the view?
- 131. Identify the sight - What is the sight?
- 132. Identify the vision - What is the vision?
- 133. Identify the perception - What is the perception?
- 134. Identify the awareness - What is the awareness?
- 135. Identify the knowledge - What is the knowledge?
- 136. Identify the understanding - What is the understanding?
- 137. Identify the comprehension - What is the comprehension?
- 138. Identify the insight - What is the insight?
- 139. Identify the realization - What is the realization?
- 140. Identify the discovery - What is the discovery?
- 141. Identify the invention - What is the invention?
- 142. Identify the creation - What is the creation?
- 143. Identify the production - What is the production?
- 144. Identify the manufacture - What is the manufacture?
- 145. Identify the construction - What is the construction?
- 146. Identify the building - What is the building?
- 147. Identify the development - What is the development?
- 148. Identify the growth - What is the growth?
- 149. Identify the expansion - What is the expansion?
- 150. Identify the increase - What is the increase?
- 151. Identify the rise - What is the rise?
- 152. Identify the ascent - What is the ascent?
- 153. Identify the climb - What is the climb?
- 154. Identify the ascent - What is the ascent?
- 155. Identify the rise - What is the rise?
- 156. Identify the growth - What is the growth?
- 157. Identify the development - What is the development?
- 158. Identify the progress - What is the progress?
- 159. Identify the advancement - What is the advancement?
- 160. Identify the improvement - What is the improvement?
- 161. Identify the enhancement - What is the enhancement?
- 162. Identify the upgrade - What is the upgrade?
- 163. Identify the update - What is the update?
- 164. Identify the revision - What is the revision?
- 165. Identify the modification - What is the modification



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Walthamstow Village trial



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What's the reaction been?



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What's the reaction been?



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Engagement

- Used on-line platform (website and consultation tool commonplace)
- It enables Council to tell the entire project story
- Able to run multiple engagement/consultations at different stages at any one time
- Can provide much more detail and background for respondents



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Outcomes



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Outcomes



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Outcomes



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Outcomes



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Outcomes



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Complementary measures



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Complementary measures



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Progress

- Programme largely complete
- 52 streets closed to motor traffic
- 1062 20 mph roads
- New public spaces
- 700 new trees and 16 pocket parks
- 22 kms of new cycle track
- 8 cycle parking hubs at stations
- 500 bikehangars
- Over 1500 new on street stands



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Outcomes

University of Westminster Study

- Study comparing people living in MH boroughs with others
- Suggests an increase in walking and cycling in MH boroughs esp. high dose areas
- Residents active 41 minutes a week more than those living in other areas
- Increase greater in walking (32 mins) than cycling (9 mins)
- Getting towards WHO and MTS targets



TfL data

- Only outer London borough where more walking and cycling trips than private car

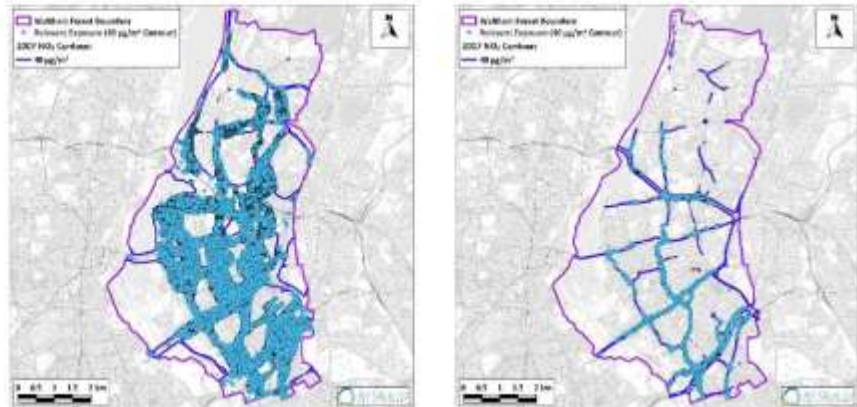
Resident insight survey

- Amount of residents describing themselves as occasional and frequent cyclists has doubled

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Outcomes

Kings College Air Quality
Research Group
Investigation



- Houses exposed to more than max EU rec levels of NO₂ down from 58,000 in 2007 to 6,300 in 2017
- Residents will live 7 months longer
- 5 year old children will live an extra 6 weeks from improvements, active school run could add another 3 weeks

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Outcomes

Department for Transport

- Most active outer London borough 40% of adults walk five times a week (only second to City of London)
- Highest of outer London boroughs for cycling five times a week
- 6th highest in greater London (only inner London boroughs higher)



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Liveable Neighbourhoods

- New programme for all London Boroughs
- Opportunity to bid for up to £8-10 million for area wide active travel projects
- All boroughs can submit bids annually
- Different scenarios but focus on active travel and public transport
- Part of wider Mayor's Transport Strategy which includes ambitious active travel targets



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Picture: TfL

- 1 Making streets easier to cross, including pedestrian crossings where people want to cross
- 2 Providing ample cycle parking that is suitable for all types of cycle
- 3 Using art and lighting installations to make walking routes more interesting and attractive
- 4 Planting street trees and other high-quality planting and greening
- 5 Improving the quality of lighting to make people feel safer and more secure
- 6 Providing benches and regular opportunities for people to sit and rest
- 7 Ensuring pavements are smooth and level, and wide enough for people using wheelchairs or buggies, or walking with children or in groups
- 8 Reducing speed limits to 20mph and designing streets to keep speeds low
- 9 Providing protected cycle lanes where required - to make streets safe and appealing for cyclists
- 10 Using the Direct Vision Standard to remove the most dangerous lorries from London's streets by 2020
- 11 Providing cycle crossings in parallel to pedestrian crossings to allow people cycling to cross busy roads with priority
- 12 Working with schools and local communities to identify local walking routes, play streets and other local improvements
- 13 Narrowing and raising the carriageway at entrances to side streets to bring it level with the pavement to give more priority to people walking and to reduce the speed of cars moving across the path of cyclists
- 14 Ensuring streets and public spaces are high quality and well maintained
- 15 Using filtering to reduce vehicle access to local streets while retaining access for cars
- 16 Ensuring that the space provided for cycling is sufficient for groups, children and people using inclusive cycles

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Liveable Neighbourhoods

- In 2019 Lambeth successful with £10 million Brixton Liveable Neighbourhood
- Supported by ambitious transport strategy
- Strategy included plan for programme of Healthy Routes
- Also included proposals for area wide traffic management schemes



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Liveable Neighbourhoods

Brixton Liveable Neighbourhood

- Three Low traffic Neighbourhoods
- Network of Healthy Routes
- Transformation of market area
- High quality crossings over main roads connecting routes and LTNs



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Railton Liveable Neighbourhood

-
- Railton low traffic neighbourhood**
- The map illustrates a low-traffic route through the Railton area. The route is highlighted in pink and includes the following streets: 20th Avenue, 21st Avenue, 22nd Avenue, 23rd Avenue, 24th Avenue, 25th Avenue, 26th Avenue, 27th Avenue, 28th Avenue, 29th Avenue, 30th Avenue, 31st Avenue, 32nd Avenue, 33rd Avenue, 34th Avenue, 35th Avenue, 36th Avenue, 37th Avenue, 38th Avenue, 39th Avenue, 40th Avenue, 41st Avenue, 42nd Avenue, 43rd Avenue, 44th Avenue, 45th Avenue, 46th Avenue, 47th Avenue, 48th Avenue, 49th Avenue, 50th Avenue, 51st Avenue, 52nd Avenue, 53rd Avenue, 54th Avenue, 55th Avenue, 56th Avenue, 57th Avenue, 58th Avenue, 59th Avenue, 60th Avenue, 61st Avenue, 62nd Avenue, 63rd Avenue, 64th Avenue, 65th Avenue, 66th Avenue, 67th Avenue, 68th Avenue, 69th Avenue, 70th Avenue, 71st Avenue, 72nd Avenue, 73rd Avenue, 74th Avenue, 75th Avenue, 76th Avenue, 77th Avenue, 78th Avenue, 79th Avenue, 80th Avenue, 81st Avenue, 82nd Avenue, 83rd Avenue, 84th Avenue, 85th Avenue, 86th Avenue, 87th Avenue, 88th Avenue, 89th Avenue, 90th Avenue, 91st Avenue, 92nd Avenue, 93rd Avenue, 94th Avenue, 95th Avenue, 96th Avenue, 97th Avenue, 98th Avenue, 99th Avenue, 100th Avenue. The map also shows a bus stop, a park area, a school, and a community center. A person is shown walking a dog, and a person is shown riding a bicycle.



STAY ALERT

**CONTROL
THE VIRUS**

SAVE LIVES



Lambeth Low Traffic Neighbourhoods

- Funding for TfL business as usual stopped
- New funding opportunities from DfT and via TfL
- Opportunities for bold temporary schemes
- Included within options for schemes were routes and LTNS
- Lambeth produced Covid 19 transport strategy response and sought funding for temporary scheme



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Lambeth Low Traffic Neighbourhoods

Low traffic neighbourhoods

- Introduced template using temporary traffic orders
- Engagement and consultation while scheme is on the ground
- Scheme can be modified whilst implemented
- Can operate for 12-18 months



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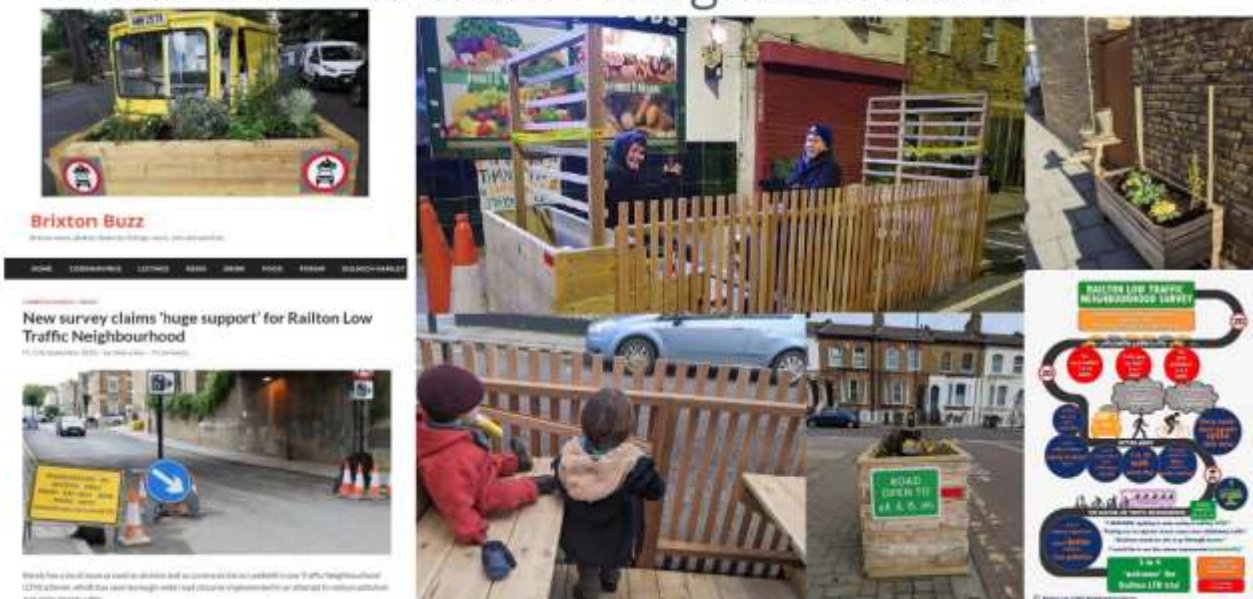
Lambeth Low Traffic Neighbourhoods



Photos: Twitter and Brixton Bugle

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Lambeth Low Traffic Neighbourhoods



Photos: Twitter and Brixton Buzz

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Lambeth Low Traffic Neighbourhoods

Low traffic neighbourhoods

- Lambeth has introduced 5
- 3 are those included in Brixton LN proposal
- Healthy routes embedded
- Introduced a series of new routes and improvements to existing cycle routes to link parts of borough



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Lambeth Low Traffic Neighbourhoods

Outcomes

- Car traffic down by 31% across the area
- HGVs down 23% across the area
- Cycling up 32% across the area
- Cycling up 51% within LTN



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Lambeth Low Traffic Neighbourhoods

What happens next?

- Additional monitoring
- Secondary review to inform decision making process
- Decision on trial schemes



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