

Appendix C –Sustainable Transport Strategy Action plan

We have developed an Action Plan for each of the nine priorities to support the delivery of our key transport strategy objectives. Tables 2 – 10 in this Appendix provide a brief description of each action and associated delivery timescale, indicative costs and delivery lead.

Indication of cost

An indication of the potential cost for each action is provided in Table 1 to help the Council make sustainable investments in transport going forwards. Both capital cost (construction) and operating cost (ongoing expenses with administration or maintenance) have been estimated, using the ranges indicated in the table below. The same indication of costs is provided for the other eight priorities.

Table 1: Cost breakdown

Indicative cost	Capital cost	Operating cost (per annum)
£	<£100k	<£10,000
££	£100k - £1m	£10,000 - £100,000
£££	£1m - £10m	£100,000 - £500,000
££££	£10m - £50m	£500,000 - £1,000,000
£££££	£50m - £100m	£1,000,000 - £5,000,000
££££££	£100m+	£5,000,000 - £10,000,000

Table 2: Long list of actions for Priority 1 – Improving road safety and air quality

Action	Timescale			Indicative cost		Delivery lead(s)
	Short (up to 2025)	Medium (up to 2030)	Long (up to 2041)	Capital cost	Operating cost (incl. maintenance)	Who is responsible
Create safer environments for pedestrians and cyclists						
Work towards a reduction in people killed or seriously injured in accordance with the Mayors Vision Zero Strategy	✓	✓	✓	£££	£££	London Borough of Redbridge Transport for London
Implement pedestrian and cyclist safety improvements at key junctions, routes, and collision hotspots	✓	✓	✓	£££	£££	London Borough of Redbridge Transport for London
Maintain our transport networks						
Enhance highway and winter maintenance ensuring active travel infrastructure is given equal priority to the main carriageway	✓	✓	✓		££££	London Borough of Redbridge Transport for London
Manage road speeds						
Extend speed reduction measures via road safety zones to cover a wider extent of journeys being made for work and leisure	✓	✓	✓	£££	£	London Borough of Redbridge Transport for London
Traffic calming measures in local centres, residential areas and near educational sites to help reduce speeds, including road humps, chicanes, and width restrictions		✓		£££	£	London Borough of Redbridge Transport for London
Increase enforcement of excessive speeding/non-compliance	✓	✓	✓		££	London Borough of Redbridge Metropolitan Police
Review parking provision						
Ensure that on-street parking does not obstruct emergency service vehicles	✓	✓	✓	£	££	London Borough of Redbridge

Improving safety for delivery drivers						
Work with delivery companies on a Code of Practice for drivers, as well as road safety training	✓	✓	✓	£	££	London Borough of Redbridge
Introduce an advanced warning system for lorry drivers approaching Forest Road low bridge by Fairlop Station	✓	✓	✓	££	££	London Borough of Redbridge
Improving air quality						
Air pollutant concentrations to be reduced	✓	✓	✓	££	££	London Borough of Redbridge

Table 3: Long list of actions for Priority 2 – Enabling healthy lifestyles

Action	Timescale			Indicative cost		Delivery lead(s)
	Short (up to 2025)	Medium (up to 2030)	Long (up to 2041)	Capital cost	Operating cost (incl. maintenance)	Who is responsible
Increase accessibility of green spaces						
Create new active travel routes to green spaces	✓	✓	✓	£££	££	London Borough of Redbridge
Conduct an audit of entrances and make improvements for accessibility to meet the needs of people using wheelchairs, mobility scooters, pushchairs and bicycles	✓			£	££	Transport for London London Borough of Redbridge
Improve air quality						
Implement 'School Streets' at all locations with educational sites, where feasible	✓	✓	✓	£££	££	London Borough of Redbridge
Review parking provision						
Install additional cycle/scooter parking near entrances to green spaces	✓			££	£	London Borough of Redbridge
Improving residents health						
Work to increase the number of residents to engage in active travel as part of their daily commute or leisure activities as a percentage of all trips	✓	✓	✓	-	£	London Borough of Redbridge

Table 4: Long list of actions for Priority 3 – Enabling active travel

Action	Timescale			Indicative cost		Delivery lead(s)
	Short (up to 2025)	Medium (up to 2030)	Long (up to 2041)	Capital cost	Operating cost	Who is responsible
Extend the active travel network						
Review key gaps in the cycle network and identify opportunities to connect these by extending existing cycle routes and creating new routes, where possible	✓	✓	✓	££££	£££	London Borough of Redbridge
Improve pedestrian priority in local centres by increasing the number of crossing points, increasing width of pavements, or other measures	✓	✓	✓	£££	£££	London Borough of Redbridge
Work with local cycling community groups to review gaps in the cycle network, review proposed routes and identify unsafe locations from community and user perspectives	✓	✓	✓	£	£	London Borough of Redbridge
Develop walking maps for routes used, including historic walking routes, leisure routes, and safe walking routes to schools	✓	✓	✓	£	£	London Borough of Redbridge
Encourage and establish walking buses with schools	✓	✓	✓	£	£	London Borough of Redbridge
Reduce average journey time to GP and Hospitals by sustainable modes	✓	✓	✓	£££	£	London Borough of Redbridge
Improve pedestrian infrastructure and safety						

Introduce pedestrian crossing islands at junctions, where feasible	✓	✓	✓	£££	£££	London Borough of Redbridge
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Introduce traffic calming and remove traffic filters	✓	✓	✓	£££	££	London Borough of Redbridge
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Maintain the active travel network

Develop and deliver a comprehensive maintenance strategy for the following: cycleways, walkways and pavements, other public realm spaces, wayfinding and street lighting	✓	✓	✓	££	£££	London Borough of Redbridge
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Promote active travel in schools and with younger residents

Implement 'School Streets' at all locations with educational sites, where feasible	✓	✓	✓	£££	££	London Borough of Redbridge Transport for London Schools
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Improve cycle parking and other supporting infrastructure

Improve on-street cycle parking facilities across the borough for commuter, residential or leisure use, including cycle parking hangars and stands	✓	✓	✓	££	££	London Borough of Redbridge
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Lobby TfL to install secure parking facilities on TfL-owned station land	✓	✓	✓	££	££	London Borough of Redbridge Transport for London
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Table 5: Action Plan for Priority 4 – Education, promotion and engagement

Action	Timescale			Indicative cost		Delivery lead(s) Who is responsible?
	Short (up to 2025)	Medium (up to 2030)	Long (up to 2041)	Capital cost	Operating cost	
Promote community-led engagement on transport plans and proposals						
Ensure all new major transport plans and schemes (including highways works) actively engage and consult with local community groups, schools, businesses, and ensure that consultations are advertised	✓	✓	✓	£££	££	London Borough of Redbridge Community groups Schools Businesses
Promote sustainable and safe travel						
Encourage development and delivery of sustainable travel plans with schools, colleges, and major employers, such as hospitals	✓	✓	✓	-	£	London Borough of Redbridge Schools/colleges Major employers, including hospitals
Develop and deliver collaborative campaigns with Public Health on the benefits of active travel, including the benefits to mental and physical health, working with schools and colleges, major employers surgeries and hospitals	✓	✓	✓	£	££	London Borough of Redbridge Schools/colleges Major employers, including hospitals and GP surgeries
Engage with different ethnic and religious groups to better understand how user perceptions of active travel and public transport vary, in order to make				-	££	London Borough of Redbridge

services and the transport network more attractive and inclusive	✓	✓	✓			Community groups
Develop and deliver a campaign for the safety of vulnerable road users, including children, senior groups, and people with disabilities	✓	✓	✓	£	££	London Borough of Redbridge
Increase the share of schools signed up to Transport for London Travel for Life programme	✓	✓	✓	-	££	London Borough of Redbridge Schools
Increase the share of pupils at engaged schools receiving Bikeability training	✓	✓	✓	-	££	London Borough of Redbridge
Increase the number of adults offered cycle skills training	✓	✓	✓	-	££	London Borough of Redbridge

Table 6: Long list of actions for Priority 5 – increasing accessibility and creating high quality public realm

Action	Timescale			Indicative cost		Delivery lead(s) Who is responsible?
	Short (up to 2025)	Medium (up to 2030)	Long (up to 2041)	Capital cost	Operating cost	
Increase the accessibility of the active travel network						
Improve the accessibility of pavements and the cycle network through better maintenance of infrastructure and removing barriers, such as implementing dropped curbs	✓	✓	✓	£££	££	London Borough of Redbridge Transport for London
Remove unnecessary street clutter which reduces space for pedestrians, particularly for those in wheelchairs, mobility scooters and with push chairs	✓			£	££	London Borough of Redbridge
Improve active travel wayfinding in local centres and key destinations, such as educational sites, hospitals, business parks and travel hubs	✓			££	££	London Borough of Redbridge
Continue to improve the condition of the borough's footways	✓	✓	✓	£££	££	London Borough of Redbridge
Improve the accessibility of the public transport network						
Work with TfL to accommodate bus priority schemes, including bus lanes and junction/signalling measures (including signal priority and bus gates)	✓	✓	✓	£££	££	London Borough of Redbridge Transport for London

Make all bus stops across the borough accessible	✓	✓	✓	£££	££	London Borough of Redbridge Transport for London
Work with TfL to fund the introduction of lifts at Wanstead, Redbridge, Gants Hill, Barkingside, Fairlop and Snaresbrook underground stations	✓	✓		£££	££	London Borough of Redbridge Transport for London
Lobby for a second entrance to Goodmayes rail station to connect with the nearby Tesco development, where there is a plan to build 1,280 new homes, a new school, community services and local amenities	✓	✓	✓	£££	££	London Borough of Redbridge Transport for London
Lobby TfL to gather and analyse data on bus usage and congestion data to review current and potential bus priority schemes	✓	✓		££	££	London Borough of Redbridge Transport for London
Lobby TfL to review any areas for low bus service, as well as any areas that may benefit from different types of buses for localised routes	✓	✓		££	££	London Borough of Redbridge Transport for London
Lobby and work with TfL to provide a safe waiting environment with improved lighting and up-to-date bus information to encourage better use of buses	✓	✓		££	££	London Borough of Redbridge Transport for London
Create uniformity amongst bus lanes within the borough in terms of timings and who can use them						London Borough of Redbridge

	✓	✓	✓	££	££	Transport for London
Lobby TfL to introduce electric buses in the borough	✓	✓		£££	££££	London Borough of Redbridge Transport for London
Improve the accessibility of the Central Line						
Lobby TfL to ensure all stations have step-free access from street level to all platforms, and increase the width of ticket-barrier gates	✓	✓	✓	£££££££	£££	London Borough of Redbridge Transport for London
Improve the accessibility of parking						
Review prioritised parking for 'Blue Badge' holders in areas of high demand, such as rail stations, and ensure the bays are located in convenient and accessible locations where possible, whilst continuing to tackle Blue Badge fraud	✓	✓		££	££	London Borough of Redbridge
Continue to tackle Blue Badge fraud in the borough, ensuring spaces for disabled people are available to use by those that need it	✓	✓	✓	-	£	London Borough of Redbridge
Create community spaces that offer a variety of transport options						
Remove unnecessary street clutter to remove obstructions for pedestrians and cycling, considering the needs of all ages and capabilities	✓	✓	✓	££		London Borough of Redbridge

Introduce mobility hub schemes across the borough, as piloted in Wanstead and South Woodford, and make successful schemes permanent	✓	✓	✓	££	£	London Borough of Redbridge
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Improve the quality of street environments

Target street cleansing, including litter and dog foul removal, to ensure hotspot areas are free from hazards and take enforcement action where possible	✓	✓	✓	££	££	London Borough of Redbridge
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Develop and deliver a maintenance strategy for the following: cycleways, walkways and pavements, other public realm spaces, wayfinding and street lighting	✓	✓	✓	£	£££	London Borough of Redbridge
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Table 7: Long list of actions for Priority 6 – Enhancing the environment and biodiversity

Action	Timescale			Indicative cost		Delivery lead(s) Who is responsible?
	Short (up to 2025)	Medium (up to 2030)	Long (up to 2041)	Capital cost	Operating cost	
Greening of transport infrastructure						
Develop a design guide with principles that will ensure that existing and new infrastructure enhances the local environment, reduces the severance of wildlife habitats, creates biodiversity net gain, improves sustainable urban drainage, and enhances planting and tree canopy in the public realm and at other transport assets, such as stations	✓	✓		££	£	London Borough of Redbridge
Electrify the bus fleet						
Lobby TfL to make all buses in Redbridge electric or hydrogen powered. A priority list will be developed, starting with the eight routes serving Barkingside	✓	✓		£££	£££	London Borough of Redbridge
Improve urban drainage						
Enhance drainage through repurposing linear green infrastructure, such as verges and embankments along roads, railways and waterways; and protect existing assets that are already providing a sustainable urban drainage system function, including street trees, parks and gardens	✓	✓	✓	£££	£££	London Borough of Redbridge
Improve biodiversity within the public realm						
Increased planting of street trees and creation of parklets with vegetation	✓	✓	✓	£££	££	London Borough of Redbridge

Table 8: Long list of actions for Priority 7 – Responding to the climate emergency

Action	Timescale			Indicative cost		Delivery lead(s) Who is responsible?
	Short (up to 2025)	Medium (up to 2030)	Long (up to 2041)	Capital cost	Operating cost	
Improve the resilience of infrastructure to climate change						
Improve flood mitigation measures around rail stations and local centres, and flood hotspots as per the Council’s Local Flood Risk Management Strategy and Surface Water Management Plan, particularly as extreme weather events are due to be more common with climate change	✓	✓		£££	£££	London Borough of Redbridge Transport for London
Improve accessibility and availability of electric vehicle charge points						
Increase the quantity and quality of existing electric vehicle charge points (e.g. charging speeds), in line with the Redbridge Electric Vehicle Strategy	✓	✓	✓	£££	££	London Borough of Redbridge
Implement on-street electric vehicle charge points in local centres and residential areas, including new Council housing developments, in line with the Redbridge Electric Vehicle Strategy	✓	✓	✓	£££	£££	London Borough of Redbridge
Review parking provision						
Implement residents' parking zones, where there is support from residents	✓	✓	✓	££	££	London Borough of Redbridge

Review parking tariff model in the borough and ensure it is fit for purpose	✓	✓	✓	-	-	London Borough of Redbridge
Introduce greening at stations						
Lobby TfL to introduce greening on station platforms, particularly in areas that are no longer used for passenger boarding, such as Platform 5 at Ilford Station	✓			£	£	London Borough of Redbridge Transport for London Network Rail
Reducing pollution across the borough						
Reduce CO2 and NO _x emissions in line with the Council's Air Quality Action Plan 2020-2025 and any further targets from updated reports	✓	✓	✓	££	££	London Borough of Redbridge
Work to reduce annual vehicle kilometres travelled in the borough and ensure that there are alternative sustainable travel options for people to use	✓	✓	✓	££	££	London Borough of Redbridge Transport for London Network Rail

Table 9: Long list of actions for Priority 8 – Supporting housing, jobs and economic growth

Action	Timescale			Indicative cost		Delivery lead(s) Who is responsible?
	Short (up to 2025)	Medium (up to 2030)	Long (up to 2041)	Capital cost	Operating cost	
Ensure new developments can support sustainable travel						
Ensure new developments are well served by sustainable transport that is attractive and reliable, directing new development to highly accessible areas, local centres and transport corridors	✓	✓	✓	££	£	London Borough of Redbridge Transport for London Developers
Ensure new developments provide a Transport Impact Assessment, a Travel Plan, a Delivery and Servicing Plan and a Construction Logistics Plan	✓	✓	✓	£	£	Developers London Borough of Redbridge Transport for London
Ensure new developments adhere to cycle parking standards, electric vehicle charge point standards, and support the delivery of available bike, e-bike and e-scooter hire schemes	✓	✓	✓	££	£	Developers London Borough of Redbridge Transport for London
Better management of the road network						

Better manage and coordinate roadworks to reduce disruption by collaborating works and reducing permit durations

✓

✓

✓

£

£

London Borough
of Redbridge

Table 10: Long list of actions for Priority 9 – Rethinking freight and servicing

Action	Timescale			Indicative cost		Delivery lead(s)
	Short (up to 2025)	Medium (up to 2030)	Long (up to 2041)	Capital cost	Operating cost	Who is responsible?
Supporting business deliveries and servicing						
Support businesses and other employers across the borough to work together to better coordinate 'last mile' delivery services to reduce congestion and carbon emissions. This could be achieved by encouraging information sharing to enable collaboration; co-ordinating and retiming deliveries and servicing; sharing establishing micro-consolidation centres; and supporting use of green last-mile vehicles, such as e-cargo bikes	✓	✓	✓	£	££	London Borough of Redbridge Businesses
Ensure that delivery drivers using two-wheeler vehicles and bicycles are road safety trained	✓	✓	✓	-	£	London Borough of Redbridge Local delivery businesses and retailers/restaurants
Provide safe parking facilities for delivery drivers using two-wheeler vehicles and bicycles	✓	✓	✓	£	£	London Borough of Redbridge Transport for London
Increase vehicle enforcement						

Enforce existing weight bans in areas with high traffic flows and high pedestrian footfall	✓	✓	✓	££	££	London Borough of Redbridge
Ensure that the Council vehicle fleet and contractors fleets meet safety standards, such as CLOCS and FORS	✓	✓	✓	££	££	London Borough of Redbridge Contractors and Suppliers
Increase the share of the Council fleet that is zero emission	✓	✓	✓	£££	££	London Borough of Redbridge
Identify and improve hotspot incident locations with delivery vehicles	✓	✓	✓	££	££	London Borough of Redbridge