

Transport Statement
August 2023

EAS

NNR House

Stanwell Road, Feltham

NNR Global Logistics UK Ltd

Document History

JOB NUMBER: 4633/2023
DOCUMENT REF: Transport Statement
REVISIONS: A – Client Draft

Revision	Comments	By	Checked	Authorised	Date
A	Client Draft	JM	PE	PE	10/08/2023
B	Client Issue	JM	WH	PE	14/08/2023

This document has been prepared for the sole use of NNR Global Logistics UK Ltd. Its content should not be relied upon by others without the written authority of EAS Transport Planning Ltd. If any unauthorised third party makes use of this report they do so at their own risk and EAS Transport Planning Ltd owe them no duty of care or skill.

The content of this report is based on information available as of August 2023, the validity of the statements made may therefore vary over time as planning guidance and policies as well as the evidence base change.

Contents

1	Introduction	1	5	Deelopment Impact	20
	The Site	1		Sustainability Assessment	20
	The Scheme	1		Parking	20
	Planning History of the Site	1		Vehicular Trip Generation - Office	20
	Highways Pre-application Advice	1		Vehicular Trip Generation - Warehouse	21
	Aims and Structure of this Report	2		Multi-modal Trip Rates	22
				Transport Impact	23
2	Policy Context	3		Summary	24
	National Planning Policy Framework	3	6	Summary and Conclusions	25
	The New London Plan	5		Summary	25
	Hillingdon Local Plan	7		Conclusion	26
	Hillingdon Local Implementation Plan	10			
3	Existing Site Assessment	11		Appendices	27
	Site Location and Local Facilities	11		Appendix: A - Location Plan	
	Existing Site Function	11		Appendix: B - Proposed Plans	
	Public Transport - PTAL	12		Appendix: C - Transport Pre-app Advice	
	Public Transport - Bus	12		Appendix: D - PTAL Report	
	Public Transport - Rail	13		Appendix: E - Bus Services	
	Walking and Cycling	13		Appendix: F - Rail Services	
	The Local Road Network	14		Appendix: G - Census Data	
	Population Statistics	14		Appendix: H - Visibility Splay	
	Summary	16		Appendix: I - Swept Path Analysis	
				Appendix: J - TRICS Data	
4	The Proposed Development	17			
	The Development Proposals	17			
	Pedestrian Facilities	17			
	Cycle Facilities	17			
	Vehicle Access	18			
	Car Parking	18			
	Servicing	19			
	Summary	19			

1 Introduction

- 1.1 This Transport Statement has been prepared by EAS Transport Planning Ltd on behalf of NNR Global Logistics UK Ltd (hereinafter referred to as the 'client') regarding the proposed redevelopment of NNR House, Stanwell Road, Feltham (hereinafter, the 'site').

The Site

- 1.2 The site under consideration is located within an industrial and warehousing area, set just outside and to the south-east of Heathrow Airport. The full address of the site is NNR House, Stanwell Road, Feltham TW14 8NG.
- 1.3 The site is set at the south-western corner of the London borough of Hillingdon ('LBH'), who therefore act as the local planning authority, as well as the local highway authority.
- 1.4 A map showing the location of the site is contained at **Appendix A**.

The Scheme

- 1.5 It is proposed to replace the existing NNR House building with up to date premises in line with the company's growth. The scheme thereby proposes the development of 1,273sqm of Warehousing space (Use class B8), 535sqm of Office space (use class E(g)(iii)), 295sqm of Service Areas and 56sqm of Staff Facilities.
- 1.6 It is also proposed to re-arrange the site car park around the proposed structures on the site, to include 38 car parking spaces, as well as 9 long-term and 5 short-term cycle parking spaces.
- 1.7 The proposed site plans are contained at **Appendix B**.

Planning History of the Site

- 1.8 The site under consideration has been in place for some time. The most recent planning application dates to 2008, and this involved cladding and refurbishment works, with no comments in relation to Transport and Highways.
- 1.9 No relevant planning applications of note were therefore found.

Highways Pre-application Advice

- 1.10 With the preliminary proposals in mind a combined planning and highways Pre-application Advice was requested from the LBH by the planning and design team.
- 1.11 In this regard, whilst the proposals were welcomed quite positively, certain recommendations have been included and comments made:
- car and cycle parking in line with parking standards for Warehousing and Office, as well as disabled parking, as set out within the LBH guidance (at 1 space per 50sqm of development) are to be included with the proposal;
 - that the proposed 38 car parking are therefore in line with policy expectations;

- that disabled car parking is provided in line with London Plan policy at 5% of all bays, and another 5% as enlarged spaces for future conversion, if needed;
- that the planning application is supported by a Transport Statement and by a Travel Plan.

1.12 On the above basis, it is noted within the Pre-application Advice, that the planning application should be supported if these conditions are met.

1.13 The Pre-application Advice is contained within **Appendix C**.

Aims and Structure of this Report

1.14 This Transport Statement has been prepared with regard to the Department of Communities and Local Government ('DCLG') Guidance on Travel Plans, Transport Assessments and Statements in Decision Taking (March 2014); as well as to guidance that the regional and local Authorities have published on their website.

1.15 The contents of this report are:

- Section 2 – sets the national, regional, and local policy context;
- Section 3 – describes the existing site conditions;
- Section 4 – describes the proposed development;
- Section 5 – identifies the likely trip generation and traffic impact; and
- Section 6 – concludes the statement.

2 Policy Context

- 2.1 This section sets out the policy context. Development and growth are encouraged at National, regional, and local level. How this is made sustainable in the longer term is by encouraging walking, cycling and public transport use.
- 2.2 The policy documents reviewed include:
- National Planning Policy Framework (2021);
 - the London Plan (2021);
 - Hillingdon Local Plan Part 1 - Strategic policies (2012);
 - Local Plan Part 2 - Development Management Policies (2020); and
 - Hillingdon Local Implementation Plan

National Planning Policy Framework

- 2.3 The revised National Planning Policy Framework ('NPPF') was published in July 2021 and sets out the government's planning policies for England and how these are expected to be applied.
- 2.4 Planning law requires that applications for planning permission be determined in accordance with the development plan unless material considerations indicate otherwise. The National Planning Policy Framework must be taken into account in preparing the development plan and it is a material consideration in planning decisions. Planning policies and decisions must also reflect relevant international obligations and statutory requirements.
- 2.5 The purpose of the planning system is to contribute to the achievement of sustainable development. At a very high level, the objective of sustainable development can be summarised as meeting the needs of the present without compromising the ability of future generations to meet their own needs.
- 2.6 In respect of that, Paragraph 10 of the NPPF states:
- "So that sustainable development is pursued in a positive way, at the heart of the Framework is a **presumption in favour of sustainable development** (original emphasis)."*
- 2.7 Section 9 of the NPPF is focused on Promoting Sustainable Transport, and states in paragraphs 104 and 105:
- "104. Transport issues should be considered from the earliest stages of plan-making and development proposals, so that:*
- a) the potential impacts of development on transport networks can be addressed;*
 - b) opportunities from existing or proposed transport infrastructure, and changing transport technology and usage, are realised – for example in relation to the scale, location or density of development that can be accommodated;*
 - c) opportunities to promote walking, cycling and public transport use are identified and pursued;*

- d) *the environmental impacts of traffic and transport infrastructure can be identified, assessed and taken into account – including appropriate opportunities for avoiding and mitigating any adverse effects, and for net environmental gains; and*
- e) *patterns of movement, streets, parking and other transport considerations are integral to the design of schemes, and contribute to making high quality places.*

105. The planning system should actively manage patterns of growth in support of these objectives. Significant development should be focused on locations which are or can be made sustainable, through limiting the need to travel and offering a genuine choice of transport modes. This can help to reduce congestion and emissions, and improve air quality and public health. However, opportunities to maximise sustainable transport solutions will vary between urban and rural areas, and this should be taken into account in both plan-making and decision-making.”

2.8 Paragraphs 110 and 111 state that in assessing applications for development it should be ensured that:

“110. In assessing sites that may be allocated for development in plans, or specific applications for development, it should be ensured that:

- a) appropriate opportunities to promote sustainable transport modes can be – or have been – taken up, given the type of development and its location;*
- b) safe and suitable access to the site can be achieved for all users;*
- c) the design of streets, parking areas, other transport elements and the content of associated standards reflects current national guidance, including the National Design Guide and the National Model Design Code; and*
- d) any significant impacts from the development on the transport network (in terms of capacity and congestion), or on highway safety, can be cost effectively mitigated to an acceptable degree.*

111. Development should only be prevented or refused on highways grounds if there would be an unacceptable impact on highway safety, or the residual cumulative impacts on the road network would be severe.”

2.9 Furthermore, paragraphs 112 and 113 continue:

“112. Within this context, applications for development should:

- a) give priority first to pedestrian and cycle movements, both within the scheme and with neighbouring areas; and second – so far as possible – to facilitating access to high quality public transport, with layouts that maximise the catchment area for bus or other public transport services, and appropriate facilities that encourage public transport use;*
- b) address the needs of people with disabilities and reduced mobility in relation to all modes of transport;*
- c) create places that are safe, secure and attractive – which minimise the scope for conflicts between pedestrians, cyclists and vehicles, avoid unnecessary street clutter, and respond to local character and design standards;*
- d) allow for the efficient delivery of goods, and access by service and emergency vehicles; and*
- e) be designed to enable charging of plug-in and other ultra-low emission vehicles in safe, accessible and convenient locations.*

113. All developments that will generate significant amounts of movement should be required to provide a Travel Plan, and the application should be supported by a Transport Statement or Transport Assessment so that the likely impacts of the proposal can be assessed."

The New London Plan

- 2.10 The New London Plan was formally published on the 2nd of March 2021 by the Mayor of London. This document is defined as:

"The new London Plan marks a break with previous London Plans, it represents a step-change in our approach and serves as a blueprint for the future development and sustainable, inclusive growth of our city.

The new London Plan encourages developments with greater public transport accessibility, lower parking provisions and higher housing density."

- 2.11 Policy T1 'Strategic approach to transport' states that development proposals should facilitate the delivery of the Mayor's strategic target of 80% of all trips in London to be made by foot, cycle or public transport by 2041. All development should make the most effective use of land, reflecting its connectivity and accessibility by existing and future public transport, walking and cycling routes, and ensure that any impacts on London's transport networks and supporting infrastructure are mitigated.

- 2.12 Policy T2 accordingly states that development proposals should deliver patterns of land use that facilitate residents making shorter, regular trips by walking or cycling. Development proposals should:

"...

2) reduce the dominance of vehicles on London's streets whether stationary or moving; and

3) be permeable by foot and cycle and connect to local walking and cycling networks as well as public transport."

- 2.13 Policy T4 states that:

"A) Development proposals should reflect and be integrated with current and planned transport access, capacity and connectivity.

B) When required in accordance with national or local guidance, transport assessments/statements should be submitted with development proposals to ensure that any impacts on the capacity of the transport network (including impacts on pedestrians and the cycle network), at the local, network-wide and strategic level, are fully assessed.

...

Travel Plans, Parking Design and Management Plans, Construction Logistics Plans and Delivery and Servicing Plans will be required having regard to Transport for London guidance.

C) Where appropriate, mitigation, either through direct provision of public transport, walking and cycling facilities and highways improvements or through financial contributions, will be required to address any adverse transport impacts that are identified.

D) Where the ability to absorb increased travel demand through active travel modes has been exhausted, existing public transport capacity is insufficient to allow for the travel generated by proposed developments, and no firm plans and funding exist for an increase in capacity to cater for the increased demand, planning permission will be contingent on the provision of necessary public transport and active travel infrastructure.

E) The cumulative impacts of development on public transport and the road network capacity including walking and cycling, as well as associated effects on public health, should be taken into account and mitigated.

F) Development proposals should not increase road danger."

2.14 Policy T5 states that developments should provide cycle parking in accordance with the minimum standards set out in Table 10.2 and should be designed and laid out in accordance with the guidance contained in the London Cycling Design Standards. Table 10.2 sets the minimum provision as:

- Use Class B1 (now E(g)): 1 space per 150sqm long-stay cycle parking spaces plus 1 space per 500sqm short-term spaces; and
- Use Class B8: 1 space per 500sqm long-stay cycle parking spaces plus 1 space per 1,000sqm short-term spaces;

2.15 In this regard, Table 10.3 of the London Plan states that new offices within Outer London Boroughs should provide between 1 car parking space per 100sqm.

2.16 Policy T6.2 Office Parking states the following in regard to Use Class E(g)(iii):

"A The maximum parking standards set out in Table 10.4 should be applied to new office development.

B In well-connected parts of outer London, including town centres, in close proximity to stations and in Opportunity Areas, office developments are encouraged to be car-free.

C Car parking provision at Use Classes Order B2 (general industrial) and B8 (storage or distribution) employment uses should have regard to these office parking standards and take account of the significantly lower employment density in such developments. A degree of flexibility may also be applied to reflect different trip-generating characteristics. In these cases, appropriate provision for electric or other Ultra-Low Emission vehicles should be made.

D Outer London boroughs wishing to adopt more generous standards are required to do so through an evidence-based policy in their Development Plan that identifies the parts of the borough in which the higher standards will be applied, and justifies those standards, including:

- 1) the provision and operation of (existing and future) public transport, especially in relation to bus reliability*
- 2) the impact on the ability to deliver Healthy Streets, promote active travel and deliver mode shift*
- 3) the impact on congestion and air quality locally and on neighbouring boroughs and districts outside London as appropriate*
- 4) a commitment to increase or enhance publicly-available cycle parking*

5) a requirement (via Travel Plans) to reduce car parking provision over time and convert it to other uses.

E Boroughs should not seek to adopt more generous standards borough-wide.

F Operational parking requirements should be considered on a case-by-case basis. All operational parking must provide infrastructure for electric or other Ultra-Low Emission vehicles, including active charging points for all taxi spaces.

G A Parking Design and Management Plan should be submitted alongside all applications which include car parking provision.

H Disabled persons parking should be provided as set out in Policy T6 .5 Non-residential disabled persons parking."

- 2.17 Where car parking is provided in new developments, provision should be made for infrastructure for electric or other Ultra-Low Emission vehicles. Adequate provision should be made for efficient deliveries and servicing.
- 2.18 This policy also adds that Boroughs should not seek to adopt more generous standards borough-wide.

Hillingdon Local Plan

- 2.19 The Hillingdon Local Plan is formed of two separately adopted documents – the Strategic Policies adopted in 2012, and the Development Management Policies, adopted in 2020. The two sections of the Local Plan form the council's future development strategy, setting out a framework and detailed policies to guide planning decisions.
- 2.20 The Hillingdon Local Plan Part 1 – Strategic Policies (formerly Core Strategies) was adopted at a Council meeting on 8th November 2012 and is now a part of the Development Plan for the Borough.
- 2.21 Policy T1 on Accessible Local Destinations states that development will be favoured at sites where the impact on the transport network can best be accommodated. Developments should encourage access by sustainable modes.
- 2.22 Policy T3 on North – South Sustainable Transport Links aims to improve north – south public transport links and to link residential areas with employment areas and transport interchanges.
- 2.23 This development takes advantage of proximity to public transport and local services and will reduce reliance on private car by reducing car trips to essential uses.
- 2.24 The Local Plan Part 2 comprises Development Management Policies, Site Allocations and Designations and Policies Map. The Local Plan Part 2 Development Management Policies and Site Allocations and Designations were adopted as part of the borough's development plan at Full Council on 16th January 2020
- 2.25 Policy DMT 1 on Managing Transport Impacts states that development proposals will be required to meet the transport needs of the development and address its transport impacts in a sustainable manner. In order for developments to be acceptable they are required to:

- be accessible by public transport, walking and cycling either from the catchment area that it is likely to draw its visitors from and / or the services and facilities necessary to support the development;
 - maximise safe, convenient and inclusive accessibility to, and from within developments for pedestrians, cyclists and public transport users;
 - provide equal access for all people, including inclusive access for disabled people;
 - adequately address delivery, servicing and drop-off requirements; and
 - have no significant adverse transport or associated air quality and noise impacts on the local and wider environment, particularly on the strategic road network.
- 2.26 All major residential developments will be required to produce a satisfactory Transport Statement and Local Level Travel Plan. All these plans should demonstrate how any potential impacts will be mitigated and how such measures will be implemented.
- 2.27 Policy DMT 2 on Highways Impacts effectively supersedes Policy AM7 in the Unitary Development Plan. It requires development proposals to ensure that:
- safe and efficient vehicular access to the highway network is provided to the Council's standards;
 - they do not contribute to the deterioration of air quality, noise or local amenity or safety of all road users and residents;
 - safe, secure and convenient access and facilities for cyclists and pedestrians are satisfactorily accommodated in the design of highway and traffic management schemes;
 - impacts on local amenity and congestion are minimised by routeing through traffic by the most direct means to the strategic road network, avoiding local distributor and access roads; and
 - there are suitable mitigation measures to address any traffic impacts in terms of capacity and functions of existing and committed roads, including along roads or through junctions which are at capacity.
- 2.28 Policy DMT 5 on Pedestrians and Cyclists requires development proposals to ensure that safe, direct and inclusive access for pedestrians and cyclists is provided on the site connecting it to the wider network, including:
- the retention and, where appropriate, enhancement of any existing pedestrian and cycle routes;
 - the provision of a high quality and safe public realm or interface with the public realm, which facilitates convenient and direct access to the site for pedestrian and cyclists;
 - the provision of well signposted, attractive pedestrian and cycle routes separated from vehicular traffic where possible; and
 - the provision of cycle parking and changing facilities in accordance with Appendix C, Table 1 or in agreement with the Council.
- 2.29 Policy DMT 6 on Vehicle Parking requires development proposals to comply with the parking standards outlined in Appendix C Table 1 in order to facilitate sustainable

development and address issues relating to congestion and amenity. The Council may agree to vary these requirements when:

- the variance would not lead to a deleterious impact on street parking provision, congestion or local amenity; and / or
- a transport appraisal and travel plan has been approved and parking provision is in accordance with its recommendations.

2.30 All car parks provided for new development will be required to contain conveniently located reserved spaces for wheelchair users and those with restricted mobility in accordance with the Council's Accessible Hillingdon SPD.

2.31 Appendix C on parking standards contains the following specifications:

- For residential development, car parking areas must include 10% of spaces suitable for a wheelchair user in accordance with the provisions in the Council's Accessible Hillingdon SPD May 2013.
- Parking for electric vehicles should be provided at a current minimum of 5% of car parking spaces with 5% passive provision. This will be reviewed in future.
- For road layouts, swept path analysis must include 300mm error margins around the body of the vehicle. This should be satisfactorily accommodated within the existing and proposed road layout.
- Parking for bicycles must be located in a safe, secure and accessible location. Covered parking should be provided where possible. Cycle spaces should be located as near as possible to the building entrance(s).
- As a minimum, cycle parking should normally take the form of Sheffield stands or a similar stand which allows both the frame and wheels of a cycle to be secured without risk of damage.
- In addition to car and bicycle parking, parking spaces for motorised two wheelers (motorcycles, mopeds and scooters) must also be provided at the rate of 5% of car parking spaces.
- Motorised two-wheeler parking should be secure and where possible covered and close to building entrances. Ideally parking should be grouped together for security.

2.32 Car parking for the commercial space is also expected to be provided at 1 car parking space per 50-100sqm for B1 offices and at 2 car spaces, plus 1 space per 50-100sqm for use-class B8 Warehousing (and other industrial uses).

2.33 The Appendix sets a standard of one long-term cycle parking space per 250sqm of office floorspace. The table heading describes these as maximum standards but this may be a misprint for minimum, as paragraph 8.26 of the same document also states that this standard should be met. This standard of provision is below the minimum standards in the London Plan requirements.

Hillingdon Local Implementation Plan

- 2.34 The Local Implementation Plan ('LIP3') is Hillingdon's transport plan, detailing its transport objectives and programme to support delivery of the Mayor's Transport Strategy within the borough. The LIP considers the goals, challenges, policies and outcomes detailed in the MTS and tailors them to Hillingdon.
- 2.35 Dated November 2018 the LIP3 considers Borough objectives through the life of the MTS to 2041 and is Hillingdon's third LIP replacing the earlier 2011 Plan.
- 2.36 Chapter 2 of this document sets the objectives of the LIP3 as:
- *"Hillingdon's streets will be characterised by the 10 healthy streets indicators;*
 - *Real and perceived threats to safety will be identified and addressed;*
 - *Through design, planning and management Hillingdon's streets will be used most efficiently and have less traffic on them;*
 - *Town centres will be vibrant, clean and accessible, residential areas will be safe, quiet and relaxing, business streets will be connected;*
 - *The public transport network will respond to and shape the built-up area it serves;*
 - *Public transport in Hillingdon will be inclusive and satisfy the travel needs of residents, visitors and businesses;*
 - *The development and management of Hillingdon's streets will support frequent and reliable public transport services;*
 - *Through land use/transport planning the travel choices available will include all those that are active, efficient and sustainable;*
 - *Transport investment will connect and facilitate the release of sites for new homes and jobs."*

3 Existing Site Assessment

- 3.1 The site and its surrounding areas are reviewed in terms of transport sustainability, and the adequacy of the local highway network, in context of the proposed scheme.

Site Location and Local Facilities

- 3.2 **Appendix A** contains a location plan showing the site just north of the boundary between the London Borough of Hillingdon and the London Borough of Hounslow.
- 3.3 The site is therefore located within LB Hillingdon's boundary, on the northern side of Stanwell Road (an unclassified four-lane, dual carriageway) near the north-western corner between Stanwell Road and Great South-West Road (A30). Terminal 4 of Heathrow Airport is located just 650m north of the site and is accessible via the preceding junction to the north on the A30.
- 3.4 Bedfont local centre is located within a walkable range on Staines Road, in Feltham, being located around 1.3km, or a 17 minute walk, to the east of the site. It has a range of shops and businesses that includes all the day-to-day facilities that may need to be accessed by staff working locally including:
- local supermarkets and convenience stores;
 - other local food shops, such as a grocer and butcher;
 - coffee shops, restaurants and take away shops;
 - pharmacies and opticians;
 - beauty parlours, hair dressers, and barber shops;
 - doctors and dentists;
 - a wide range of shops and businesses.
- 3.5 There are also a range of schools within the local residential areas, near the proposed development, together with a number of places of worship.

Existing Site Function

- 3.6 The site comprises a total of 0.19 hectare (0.5 acres) and is occupied by the current commercial facility of NNR Global Logistics UK Ltd (known as NNR House).
- 3.7 The building and site currently include circa 930sqm of warehouse space, and approximately 465sqm of office floorspace at ground and first floor levels. The facility currently employs circa 35 members of staff.
- 3.8 There are currently circa 38 car parking spaces at the site, which are located to the front and western side of the existing building. Some of these spaces are informal spaces with no road markings present although these areas have been used as such for a long time by staff working at the site.
- 3.9 These car parking areas are accessed via Bedfont Cross, which is a small access road off Stanwell Road serving this site and three other neighbouring industrial plots.

Public Transport - PTAL

- 3.10 The Public Transport Accessibility Level ('PTAL') Index is used to derive accessibility maps for London. Details of the methodology can be found in the Transport for London Transport Assessment Best Practice guidance document Appendix B (April 2010). This guidance states that:

"Public Transport Accessibility Levels (PTAL) are a detailed and accurate measure of the accessibility of a point to the public transport network, taking into account walk access time and service availability. The method is essentially a way of measuring the density of the public transport network at any location within Greater London."

- 3.11 A full PTAL assessment for the site undertaken using the TfL web-PTAL tool is contained within **Appendix D**.
- 3.12 The Public Transport Accessibility Index ('PTAI') at the front of the site is 5.08 and of 1.98 at the rear of the site. These PTAIs equate to a PTAL classification of between 1a and 2 or 'Very Poor' and 'Poor' (PTAL score ranges of 0 to 2.5 and 5 to 10).

Public Transport - Bus

- 3.13 There are existing bus stops located close to the site, for eastbound services, stop BC, is located just outside the site on Stanwell Road, and for westbound services, stop BB, is around 50m south across the road from the site. From these stops bus service 203 can be boarded.
- 3.14 Bus services H25 and H26 can be boarded from St Mary's Church bus stops (stops T and X), circa 425m (or a 5-minute walk), east of the site.
- 3.15 Route 203 runs between Staines-upon-Thames and Hounslow Town Centre, via Ashford Hospital, Stanwell, Bedfont, Hatton Cross, and Hounslow West. There are 3 buses an hour during peak hours on weekdays and on Saturdays and 2 buses per hour on Sundays. Services run between 04:50 and 00:44.
- 3.16 Route H25 runs between Hatton Cross and Crane Park in Feltham, via Bedfont, Feltham, and Hampton. There are 5 buses an hour on weekdays, 4 buses an hour on Saturdays and 3 buses an hour on Sundays. Services run between 04:44 and 01:01.
- 3.17 Route H26 runs between North Feltham and Hatton Cross via Feltham Town Centre and Bedfont. There are 4 buses an hour on weekdays, 3 buses an hour on Saturdays and 2 buses an hour on Sundays. Services run between 04:40 and 00:50.
- 3.18 A little further away from the site is route 116 which stops at Spinney Green Bus stops (stops B and P), circa 550m walk south-east from the site, which runs between Ashford Hospital and Hounslow, 5 times per hour during weekday peak hours.
- 3.19 National Express routes 201, 202, 203, 205, 250, A30 and A40, as well as local services 482 and 490 stop outside Heathrow Terminal 4, circa 1.2km (or a 15-minute) walk north of the site. It is worth adding that walking facilities outside Terminal 4 are exceptionally limited and therefore a short car or taxi trip would most likely be necessary to arrive here from the site (or vice versa).

- 3.20 The National Express routes link the local area to a variety of destinations around the country, including Braintree, Bristol, Central and West London, Colchester, Gatwick Airport, Ipswich, Poole, Portsmouth, Southampton, Stansted Airport, Swansea, and Wales.
- 3.21 Routes 482 and 490 link Heathrow and the local area to Richmond, and Southall, via Feltham, Hampton, Hatton Cross, Hounslow, and Twickenham, with weekday peak hour frequencies of 3 and 6 services per hour respectively.
- 3.22 From the above it can be concluded that the area has a number of local bus services with around 12 buses an hour accessible within 400m of the site and a further 14 local buses an hour accessible a little further away.
- 3.23 The local bus spider map is included in **Appendix E**.

Public Transport - Rail

- 3.24 Heathrow Terminal 4 Rail and London Underground ('LU') Station is located around c. 550m north of the site (but a 1.2km complicated and difficult walk away) and links the local area to the LU Elizabeth Line, and the LU Piccadilly Line.
- 3.25 The LU Elizabeth Line (formerly known as Crossrail) is London's newest rail service, running east to west across the city and beyond, linking the local area to London Paddington, Bond Street, Tottenham Court Road, Farringdon and Liverpool Street Stations in Central London, as well as other stops along the routes east to Shenfield or Abbey Wood. Separate western branches of the Elizabeth Line also continue to Heathrow Terminal 5 and Reading in the west. This network provides 4 services per hour terminating at this station.
- 3.26 The Piccadilly Line network provides around 6 departures per hour in each direction between Heathrow and Cockfosters, via Central London, also stopping at Hammersmith, Earl's Court, Knightsbridge, Piccadilly Circus, Holborn, King's Cross & St Pancras International, and Finsbury Park.
- 3.27 A little further away, at around 2.7km walk east of the site, is Feltham Rail station, which forms part of the South Western Railway network, which runs between London Waterloo and Reading, Windsor or Weybridge. This network provides 6 services in each direction, and is served by bus route H25.
- 3.28 Details of all the local rail services from these stations is contained in **Appendix F**.

Walking and Cycling

- 3.29 The immediate pedestrian environment outside the site is typical of an outer London industrial area, with wide footways on both sides of Stanwell Road.
- 3.30 Formal pedestrian crossing facilities are available nearby at the junction of Stanwell Road with Great South West Road (A30).
- 3.31 The local street network is lit and local roads are restricted to 40mph. To the east of the A30, Stanwell Road is restricted to 20mph.
- 3.32 A shared footway-cycleway facility runs along the western side of the A30, circa 1.5m in width.

- 3.33 The nearest sections of the National Cycle Network are located within Staines-upon-Thames, being Route 4 of this network, which terminates within the local town centre. This network can be reached locally via an existing shared footway-cycleway facilities on the A30.
- 3.34 Both TfL and Cyclestreets have online cycle journey planners available for determining suitable cycle routes from the site.
- 3.35 Details of the likely numbers of pedestrians and cyclists and their effect on the local network are covered within Section 5 of this report which describes the impacts of the development on the local highway.

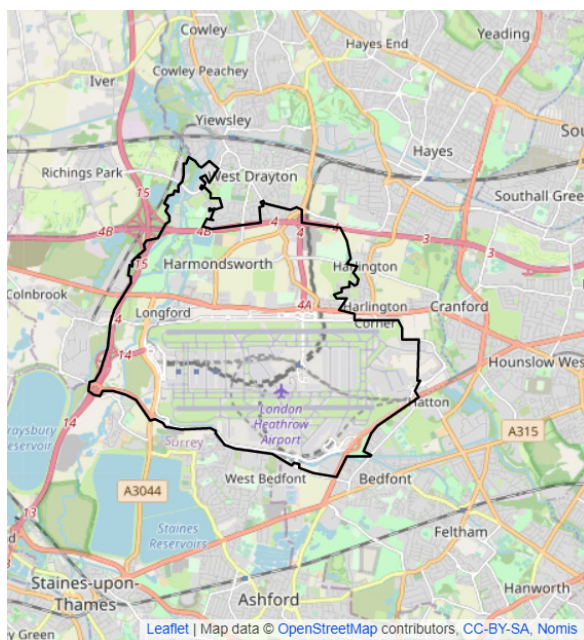
The Local Road Network

- 3.36 Stanwell Road runs east to west past the site, and connects Great South West Road (A30) with the built up area of Stanwell. The local roads to the east of the site are restricted to 40mph, whereas Stanwell Road becomes restricted to 50mph to the west of the junction of this road with Bedfont Cross. All local roads are lit.
- 3.37 Heathrow Airport's South Perimeter Road is available from a roundabout connecting Stanwell Road, Beacon Road (leading into the southern parts of Heathrow Airport), and other storage areas nearby.
- 3.38 South Perimeter Road continues west all the way up the A3113 Airport Way, which terminates into Junction 14 of the M25 Motorway. The site therefore includes good nearby links to the Motorway network.
- 3.39 The site currently has a direct vehicular access onto Bedfont Cross, which is a small access road serving this and three other neighbouring commercial and mixed-use sites, and all set at the corner of Stanwell Road with Great South West Road.
- 3.40 Access into Bedfont Cross from Stanwell Road (or vice-versa) is possible either as a left turn off the eastbound lanes of Stanwell Road, or via a dedicated Right-turn Lane facility from the westbound lanes of the same road.
- 3.41 The public highway areas outside the site are restricted from parking on both Bedfont Cross as well as the nearby section of Stanwell Road, through the use of double yellow lines, No Stopping, and Red Route Signage.

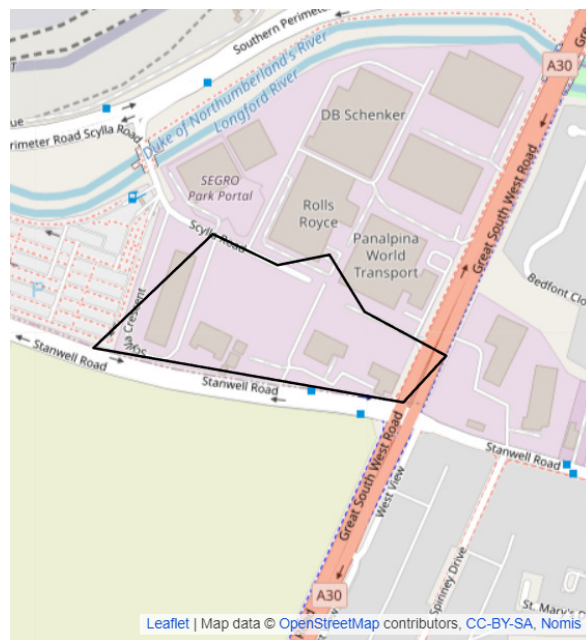
Population Statistics

- 3.42 A review of the most recently available Census statistics (2011) for Workplaces has been undertaken to assess the local population characteristics.
- 3.43 The site is set within Middle Super Workplace Zone ('MSOA') Hillingdon 031, and within the smaller local Workplace Zone ('WZ') E33029974.
- 3.44 The local MSOA includes the whole of Heathrow Airport, and is therefore vast, capturing thousands of people that are employed here. Whilst the accessibility to the wider Heathrow Airport complex is assumed to be in line with the site area, the proximity of the latter to residential areas across the A30, does generate some variance between the MSOA and the narrower WZ datasets. It is also worth adding that various parts of the wider Airport complex have better accessibility via public transport modes, such as LU networks.

- 3.45 The smaller census Workplace Zone would therefore more accurately reflect the typical characteristics of this site, being focused around the handful of industrial and warehousing units around the site.



Hillingdon 031 Area



Workplace Area E33029974

- 3.46 Data from the 2011 census have been considered with respect to modal choice of journey to work. This data is contained as **Appendix G** and summarized in table 3.3:

	Workplace E33029974		Hillingdon 031	
	Total	%age	Total	%age
All Residents	343		46,243	
Work from home	0		282	
Underground, Metro, Tram	6	1.7%	3,207	7.0%
Train	6	1.7%	1,456	3.2%
Bus	22	6.4%	7,134	15.6%
Taxi	1	0.3%	57	0.1%
Motorcycle, Scooter, Moped	3	0.9%	477	1.0%
Car driver	286	83.4%	31,186	68.1%
Car passenger	7	2.0%	1,158	2.5%
Bicycle	2	0.6%	491	1.1%
Foot	10	2.9%	620	1.4%
Other	0	0.0%	175	0.4%

Table 3.3: 2011 Census local journey to work by staff data

- 3.47 Table 3.3 shows the method of journey to work in the local Middle Super Output Area ('MSOA'), Hillingdon 031, and the smaller Census Workplace Zone, E33029974. The smaller census area most accurately reflects the characteristics of the site being focussed around the site.

- 3.48 It can be seen from the above data that in 2011, within the larger Hillingdon 031 area, 16% took the bus to work, 10% used rail or the London Underground, 1% travelled on foot, 1% cycled to work and 68% were car drivers, with 3% being car passengers.
- 3.49 Breaking the statistics down further and looking at the smaller E33029974 area just around the site, just 6% take the bus to work, only 3% use rail or the London Underground, 3% travel on foot, 1% cycle, and only 83% are car drivers with 2% car passengers.
- 3.50 Over the past few months, releases of data from the 2021 Census have been issued, including some Travel Information statistics. The available statistics from the 2021 census, i.e. Method of Travel to Work statistics, unfortunately do not include statistics based upon the place of work, and more recent data has not yet been published.

Summary

- 3.51 The site is located within LBH's boundary, on the northern side of Stanwell Road (an unclassified four-lane, dual carriageway) near the north-western corner position between Stanwell Road and Great South-West Road (A30). Terminal 4 of Heathrow Airport is located just 650m north of the site and is accessible via the preceding junction to the north on the A30.
- 3.52 Staines Road local centre in Feltham is located to the east of the site and is around 1.3km, or a 17 minute walk, away. It has a range of shops and businesses that includes all the day-to-day facilities that may need to be accessed by staff working locally.
- 3.53 The Public Transport Accessibility Index is 5.08 which equates to a PTAL classification of 2 or 'Poor' (PTAL score 5-10).
- 3.54 The area has a number of local bus services with around 12 buses an hour within 400m of the site and a further 14 local buses an hour a little further away.
- 3.55 Heathrow Terminal 4 Rail and London Underground Station is located around c. 550m north of the site (but a 1.2km complicated walk away) and links the local area to the Elizabeth Line, and to the Piccadilly Line, offering a total of 10 services per hour in each direction. A little further away, at around 2.7km walk east of the site, is Feltham Rail station, which forms part of the South Western Railway network, which is served by another 6 hourly services.
- 3.56 The immediate pedestrian environment outside the site is typical of an Outer London industrial area, with wide footways on both sides of Stanwell Road.
- 3.57 Stanwell Road at outside site runs east to west past the site, and connects Great South West Road (A30) with the built up area of Stanwell. The site includes good nearby links to the Motorway network via the M25 Motorway.
- 3.58 The 2011 Census recorded that within the local Workplace Zone which includes the site, just 6% take the bus to work, only 3% use rail or the London Underground, 3% travel on foot, 1% cycle, and only 83% are car drivers with 2% car passengers.

4 The Proposed Development

- 4.1 The proposed scheme is described in this section including the site access arrangement, as well as parking.

The Development Proposals

- 4.2 A Masterplan Layout for the development is included at **Appendix B**.
- 4.3 It is proposed to replace the existing NNR House building in line with the company's growth.
- 4.4 The proposed development is set over a four-storey building, including a 14.2m high Warehouse Unit at the rear of the site, and a new office block building fronting the site. The latter block is intended to host a reorganised ground floor parking area and site access facilities, a controlled storage area at first floor level, as well as office and staff facilities at second and third floor levels.
- 4.5 The scheme thereby comprises the development of 1,273sqm of Warehousing space (use class B8), 535sqm of Office space (use class E(g)(iii)), 295sqm of Service Areas and 56sqm of Staff Facilities.
- 4.6 The scheme also proposes the development of a new car park access, segregating the existing dual-use access, shared between the warehousing and the car parking elements on the site. The proposed new access is set at the western end of the site frontage onto Bedford Cross, whereas the existing site access into the warehouse is to be retained at the eastern edge of the site access.
- 4.7 It is also proposed to re-arrange the site car park around the proposed structures on the site, to include 38 car parking spaces as well as 9 cycle parking spaces.

Pedestrian Facilities

- 4.8 There will be two separate pedestrian accesses into the site from the site car park.
- 4.9 The western pedestrian access point will be the main access into the new office block building, and will include a reception lobby leading into the upper floors of the building or warehouse areas.
- 4.10 The western access will have stair and lift access to the upper floors, whereas the eastern access is simply a stair access, and meant as a secondary access for emergency use.
- 4.11 Two additional pedestrian points are proposed on either side of the warehouse, designed as emergency exits from this part of the building.

Cycle Facilities

- 4.12 There will be secure and covered long-term cycle parking available within the development for 9 cycles.
- 4.13 The long-term cycle parking spaces are proposed to be installed within a cycle store, in the site car park, near the western pedestrian access from the warehouse unit.

- 4.14 An additional 5 short-term cycle spaces for visitors are proposed near the main site entrance point.

Vehicle Access

- 4.15 Access for commercial vehicles accessing the warehouse unit will remain at the eastern edge of the site frontage off Bedfont Cross, in line with present arrangements.
- 4.16 A new vehicular access is however proposed into the site car park, segregating this from the warehouse access which is typically used by larger commercial vehicles. This new access is proposed at the western edge of the site frontage, and is proposed to be circa 4.7m in width.
- 4.17 The new access will achieve a visibility splay to either end of Bedfont Cross. The visibility splay of the new access is shown within a drawing contained at **Appendix H**.
- 4.18 A Swept Path Analysis showing two cars using the new access simultaneously is contained at **Appendix I**.
- 4.19 The two vehicular access points into the warehouse are proposed to be retained as existing, set to the east of the redeveloped front office block, and behind the existing servicing area, also located to the east of the main building.
- 4.20 Traffic flows from the development are expected to be around the same magnitude as the existing use and therefore the existing access will remain satisfactory, as described in Section 5.

Car Parking

- 4.21 The redevelopment scheme proposes the formation of 535sqm of office space and of 1,273sqm of Warehousing space.
- 4.22 The LBH parking standards typically require the provision of 1 car space for every 50sqm to 100sqm of office space, as well as 2 car spaces, plus 1 extra space every 50sqm to 100sqm of warehousing space.
- 4.23 In this regard, the design team has liaised with LBH's Highways officers as part of the Pre-application Advice discussions, and it was agreed that the proposed 38 car parking spaces should suffice for the proposed development.
- 4.24 The 38 spaces are proposed in line with the existing arrangement on the site, including 19 set at the front of the site, under the front office building, and another 19 spaces along the western edge of the site
- 4.25 With the 38 spaces, the clients propose 6 disabled spaces, equating to 16% of all spaces and exceeding London Plan policy requirement.
- 4.26 It is worth adding that the area to the west of the main building is a long-term lease by the clients, and forming part of the wider site boundary. The clients therefore do have a written agreement with the wider land owners (formerly known as BAA plc) to use the strip of land for parking.

Servicing

- 4.27 The current commercial refuse servicing operation is managed by a private operator. It is understood that this will continue within the redeveloped site.
- 4.28 In this regard, the waste servicing vehicle will continue to use the existing industrial site access to the east of the site frontage, which includes a wider access arrangement and a larger turning area.
- 4.29 Smaller delivery vehicles (such as panel vans) can make use of the site car park for servicing, making use of an empty turning space to turn within the site.
- 4.30 It is expected that with around two to three refuse collections a week, all of which would be at known times and which would usually only take several minutes to complete, there will be ample opportunity for servicing the site. Similarly, there should also be sufficient opportunity for any occasional deliveries, such as furniture or white goods, to the office areas, as well as parcel deliveries for staff.

Summary

- 4.31 The scheme thereby proposes the redevelopment of the existing NNR House facility, into a Warehouse Unit at the rear of the site, and a new office block building fronting the site. The latter block is therefore intended to hosting a reorganised parking area and site access facilities at ground floor level, a controlled storage area at first floor level, as well as office and staff facilities at second and third floor levels.
- 4.32 The scheme also proposes the development of a new car park access, segregating the existing dual-use access, shared between the warehousing and the car parking elements on the site. The rearranged site car will include 38 car parking spaces as well as 9 long-term cycle parking spaces. An additional 5 short-term cycle spaces are proposed near the main site access.
- 4.33 The main western pedestrian access is proposed to become the main access into the site and the office block building, which will include a reception lobby leading into the upper floors of the building or to the warehouse. A new vehicular access is therefore proposed into the site car park, segregating the car park from the larger commercial vehicles.
- 4.34 The vehicular crossover arrangement for commercial vehicles accessing the warehouse unit will remain at the eastern edge of the site frontage off Bedfont Cross, in line with present arrangements. The warehouse unit doors are being retained in line with the existing arrangements.
- 4.35 In line with Pre-application discussions, 38 car parking spaces are being proposed within the redeveloped site, including 19 spaces set at the front of the site, set under the fronting office building, and another 19 spaces set along the western edge of the site.
- 4.36 Waste servicing vehicle will be retained in line with the existing arrangements, using the existing industrial site access. Smaller delivery vehicles can make use of the site car park for servicing.

5 Development Impact

- 5.1 This section discusses the sustainability and predicted transport impacts of the development proposals.

Sustainability Assessment

- 5.2 The site is in a sustainable location with good access to the local road network (which is an essential element for a Warehousing facility), as well as the necessary day-to-day facilities set within a walkable range in Bedfont.
- 5.3 The site has a PTAL of between 1a and 2. Regular bus services are available from near the site, linking to nearby train networks within Feltham, or a short car ride to Heathrow Airport Terminal 4.
- 5.4 Bedfont local centre is within a walkable distance of the site and includes a variety of local shops.
- 5.5 The site is therefore considered to be in a sustainable location and is clearly suitable for a warehousing-led development.

Parking

- 5.6 A total of 38 car park spaces are proposed for the development, split in two areas, set to the front and west of the main building on site.
- 5.7 This number of spaces is in line with local standards and with Pre-application discussions undertaken by the design team.

Vehicular Trip Generation - Office

- 5.8 To obtain an estimate of the likely vehicle trips associated with the development a TRICS v7.10.2 assessment has been undertaken for similar types of development within this TRICS database query.
- 5.9 In this regard, the search was also filtered to include:
- land use category 02/A: Office (Employment);
 - multi-modal surveys only;
 - set within Greater London area only;
 - sites within Suburban and Edge of Town locations only; and
 - set within a PTAL 1 or 2 only.
- 5.10 The number of office sites in Outer London (with a low PTAL) were found to be quite limited, with only the Sky Headquarters being similar. It is understood that the wider facilities for that large complex are somewhat similar to the facilities provided around Heathrow Airport.
- 5.11 A summary of the TRICS trip rate generation for the office and servicing areas is shown in table 5.1. The full TRICS datasheets are contained in **Appendix J**.

	AM Peak		PM Peak	
	Arrivals	Departures	Arrivals	Departures
Trip Rate (unit)	0.659	0.097	0.082	0.720

Table 5.1 TRICS Vehicle Trip Rates (Office)

- 5.12 Based on an existing office development of 622sqm (including 465sqm of Class E(g)(iii) use plus 157sqm of service areas), an assessment can be made for the likely number of trips such a site would typically generate.
- 5.13 Similarly, for the proposed 886sqm office areas (including 535sqm of Office space, as well as 295sqm and 56sqm of connected Service Areas of Staff facilities respectively), the following trips are predicted to be generated from the proposed development:

	AM Peak		PM Peak	
	Arrivals	Departures	Arrivals	Departures
Existing Office	4	1	1	4
Proposed Scheme	6	1	1	6
Net increase	+2	No change	No change	+2

Table 5.2 Development Traffic Movements (Office) from TRICS

- 5.14 A typical office development of the existing scale would therefore be expected to generate 5 trips in the AM (4 arrivals and 1 departure) and within the PM (1 arrival and 4 departures) peak hours.
- 5.15 Similarly, an office development of the proposed scale would likely generate 7 trips in the AM (6 arrivals and 1 departure) and PM (1 arrival and 6 departures) peak hours.

Vehicular Trip Generation - Warehouse

- 5.16 To obtain an estimate of the likely vehicle trips associated with the development a TRICS assessment has also been undertaken for warehouse areas.
- 5.17 The TRICS database search was thereby restricted to the above discussed search parameters. In this case, the TRICS database returned three similar warehousing sites, all located within Outer London.
- 5.18 A summary of the TRICS trip rate generation for the warehouse element is shown in table 5.3.

	AM Peak		PM Peak	
	Arrivals	Departures	Arrivals	Departures
Trip Rate (unit)	0.406	0.101	0.164	0.458

Table 5.3 TRICS Vehicle Trip Rates (Warehouse)

- 5.19 Based on comparable sites to the existing warehouse development of 735sqm, an assessment can again be made for the likely number of trips such a site would typically generate. Similarly, for a proposed development of 1,273sqm of warehousing space, the following trips can be predicted to be generated from the proposed development:

	AM Peak		PM Peak	
	Arrivals	Departures	Arrivals	Departures
Existing Unit	3	1	1	3
Proposed Scheme	5	1	2	6
Net increase	+2	No change	+1	+3

Table 5.4 Development Traffic Movements (Warehouse) from TRICS

- 5.20 A typical warehouse development of the existing scale would therefore be expected to generate 4 trips in the AM peak hour (3 arrivals and 1 departure) and in the PM (1 arrival and 3 departures) peak hours.
- 5.21 Similarly, a warehouse development of the proposed scale would likely generate 6 trips in the AM (5 arrivals and 1 departure) and 8 trips within the PM peak hour (2 arrivals and 6 departures).
- 5.22 The full TRICS datasheets are contained in **Appendix J**.

Multi-modal Trip Rates

- 5.23 In accordance with best practice multi-modal trip rates have been considered. There are two ways to readily provide information for multi-modal trips, one is to review TRICS sites where multi-modal data has been collected and the other is to look at census data to determine the mode of travel to work. Both have pitfalls.
- 5.24 The TRICS data is based on surveys of other sites selected because of geographical similarities but there are of course many variables at the detailed level for example proximity to a cycle route or bus route. In contrast, the journey to work census data by definition does not include the multitude of other trip purposes taking place throughout the day, such as shopping or leisure trips.
- 5.25 Within this assessment, we have looked at TRICS sites only.
- 5.26 The TRICS sites discussed above have again been used to extrapolate the trip generation information by different modes of travel. In this regard, only TRICS surveys that include multi-modal information were previously selected. The expected multi-modal trip numbers for the proposed development are:

	All Day Trip Rate (07:00 to 22:00)			All Day Trip Number (886sqm)		
	In	Out	Two Way	In	Out	Two Way
Rail and Tube	1.558	1.629	3.187	14	14	28
Bus	0.232	0.192	0.424	2	2	4
Walk	0.674	0.709	1.383	6	6	12
Cyclist	0.293	0.288	0.581	3	3	5
Other	3.184	3.170	6.354	28	28	56
Total	5.941	5.988	11.929	53	53	106

Table 5.5 TRICS-based proposed daily multi-modal trips (Office; allowing for rounding)

- 5.27 Based on the TRICS multi-modal data, shown in table 5.5, it is likely that the proposed office element within the site would generate in the order of 50 non-car trips throughout the course of the day.

5.28 A similar analysis was undertaken for staff working within the warehouse:

	All Day Trip Rate (07:00 to 22:00)			All Day Trip Number (1,273sqm)		
	In	Out	Two Way	In	Out	Two Way
Rail and Tube	0.063	0.055	0.118	1	1	2
Bus	0.249	0.245	0.494	3	3	6
Walk	0.251	0.257	0.508	3	3	6
Cyclist	0.065	0.064	0.129	1	1	2
Other	2.904	3.073	5.977	37	39	76
Total	3.532	3.694	7.226	45	47	92

Table 5.6 TRICS-based proposed daily multi-modal trips (Warehouse; allowing for rounding)

- 5.29 Based on the TRICS multi-modal data, shown in tables 5.6, it is likely that the warehouse element within the redeveloped site would generate in the order of 16 non-car trips throughout the course of the day.
- 5.30 On a combined basis, it would be expected that the redeveloped site would generate in the order of 65 non-car trips over the course of the day.
- 5.31 The trips at this site are likely to mostly comprise of walking trips with a smaller number of public transport trips (bus, rail and tube) and just a handful cycle trips.
- 5.32 Naturally, the actual breakdown of mode may vary from the figures indicated by above TRICS (since these are based on sites in a different location), but the overall amount would be likely to be similar.

Transport Impact

- 5.33 The redeveloped scheme proposes to retain 38 car parking spaces, in line with the existing provision, as well as local planning policy and Pre-application Advice discussions. Considering the existing car parking demand at the site, the proposed car parking area allows for an additional 23% in car parking on the site.
- 5.34 Based upon the above discussed TRICS analysis, it would be expected that the proposed redevelopment of the site will generate just a handful of additional trips during each peak hour, with 4 additional trips expected in the AM peak hour (4 extra arrivals) and a net increase of 6 trips in the PM peak hour (1 arrival and 5 departures).
- 5.35 It is worth noting that the site developers are also undertaking a Travel Plan process as part of the site's redevelopment scheme. A Travel Plan is a commitment by the company to reduce car trips made by Single Occupancy Vehicles ('SOV') by 10%. A Framework Travel Plan document has therefore also been prepared by EAS in support of this planning application.
- 5.36 This Travel Plan process will therefore seek to minimise SOV trips to the site through raising awareness of health benefits of active travel modes, providing sustainable travel information, marketing of cycling-related company benefits, promoting the commercial benefits of car sharing, and disseminating information on discounted and free public transport tickets.

- 5.37 In any case, being a commercial car park, if demand for car parking was ever to exceed the number of available parking spaces, the company can limit the provision of car parking permits to whoever needs this most. This would be undertaken by through a Parking Management Plan process.
- 5.38 Furthermore, with on-street parking controlled through all of the local area around the site, it would be expected that no employees would visit the site or the local area by car, without having a parking space allocated in advance.
- 5.39 Based upon the multi-modal data above, it is believed there is sufficient capacity in the local public transport networks, bus, tube and rail, to accommodate the level of additional trips expected from the development and of course there will be a significant offset from the removal of the existing uses at the site.
- 5.40 The development is expected to produce probably in excess of 18 pedestrian and 7 cycle trips during the day, although these would be spread through the day. It is considered that the local footway and cycling infrastructure is well capable of handling this relatively minor increase in pedestrian traffic.

Summary

- 5.41 The site is located within a sustainable location (when considering especially that this site primarily is a warehousing development), with bus and rail services available within walkable ranges of the site.
- 5.42 The proposed 38 car parking spaces are understood to be sufficient to meet the demand generated by the redeveloped site. In any case, the controlled nature of parking within the site as well as within the surrounding roads, restricts on-street parking from being an alternative to parking within the site.
- 5.43 It is expected that the proposed redevelopment of the site will generate a slight increase in trips during each peak hour, with 4 additional trips expected in the AM peak hour and a net increase of 6 trips in the PM peak hour.
- 5.44 The expected non-car trips are also predicted to increase, both due to the increase in staff numbers, as well as due to the predicted impacts of the Travel Plan process to support an overall reduction of SOV trips to the site.
- 5.45 In this regard, considering the scale of the site, the expected increase in number of trips using sustainable travel networks, such as active travel modes should be expected to remain well within the existing capacity of local sustainable travel networks.

6 Summary and Conclusions

- 6.1 This Transport Statement has been prepared by EAS Transport Planning Ltd on behalf of NNR Global Logistics UK Ltd regarding the proposed redevelopment of NNR House, Stanwell Road, Feltham.

Summary

- 6.2 The site is therefore located within LBH's boundary, on the northern side of Stanwell Road near the corner position between Stanwell Road and the A30. Heathrow Airport Terminal 4 is located just 650m north of the site and is accessible via the A30.
- 6.3 Staines Road local centre in Feltham is located around 1.3km to the east of the site. It has a range of shops and businesses that includes all the day-to-day facilities that may need to be accessed by staff working locally.
- 6.4 The local Public Transport Accessibility Index is 5.08 which equates to a PTAL classification of 2 or 'Poor'.
- 6.5 The area has a number of local bus services with around 12 buses an hour within 400m of the site and a further 14 local buses an hour a little further away.
- 6.6 Heathrow Terminal 4 Rail and London Underground Station is located around c. 550m north of the site and links the local area to the Elizabeth Line, and to the Piccadilly Line. A little further away, at around 2.7km walk east of the site, is Feltham Railway Station, which forms part of the South Western Railway network.
- 6.7 The immediate pedestrian environment outside the site is typical of an outer London industrial site, with wide footways on both sides of Stanwell Road.
- 6.8 The site includes good nearby links to the Motorway network via the M25 Motorway.
- 6.9 The 2011 Census recorded that within the local Workplace Zone which includes the site, just 6% take the bus to work, only 3% use rail or the London Underground, 3% travel on foot, 1% cycle, and only 83% are car drivers with 2% car passengers.
- 6.10 The scheme thereby proposes the redevelopment of the existing NNR House facility, into a Warehouse Unit at the rear of the site, and a new office block building fronting the site. The latter block is therefore intended to hosting a reorganised parking area and site access facilities at ground floor level, a controlled storage area at first floor level, as well as office facilities above.
- 6.11 The scheme also proposes the development of a new car park access, segregating the existing dual-use access. The rearranged site car will include 38 car parking spaces as well as 9 long-term cycle parking spaces and 5 short-term cycle spaces.
- 6.12 The main western pedestrian access is proposed to become the main access into the site and the buildings. A new vehicular access is therefore proposed into the site car park, segregating the car park from the larger commercial vehicles.
- 6.13 The vehicular crossover arrangement and warehouse unit doors for commercial vehicles accessing the warehouse unit will remain at the eastern edge of the site frontage off Bedfont Cross, in line with present arrangements.

- 6.14 In line with Pre-application discussions, 38 car parking spaces are being proposed within the redeveloped site, split between areas at the front and along the western edge of the site.
- 6.15 Waste servicing vehicle will be retained in line with the existing arrangements, using the existing industrial site access. Smaller delivery vehicles can make use of the site car park for servicing.
- 6.16 The site is located within a sustainable location, with bus and rail services available within walkable ranges of the site.
- 6.17 The proposed 38 car parking spaces are understood to be sufficient to meet the demand generated by the redeveloped site.
- 6.18 It is expected that the proposed redevelopment of the site will generate a slight increase in trips during each peak hour.
- 6.19 Considering the scale of the site, the expected increase in number of trips using sustainable travel networks, should be expected to remain well within the existing capacity of local sustainable travel networks.

Conclusion

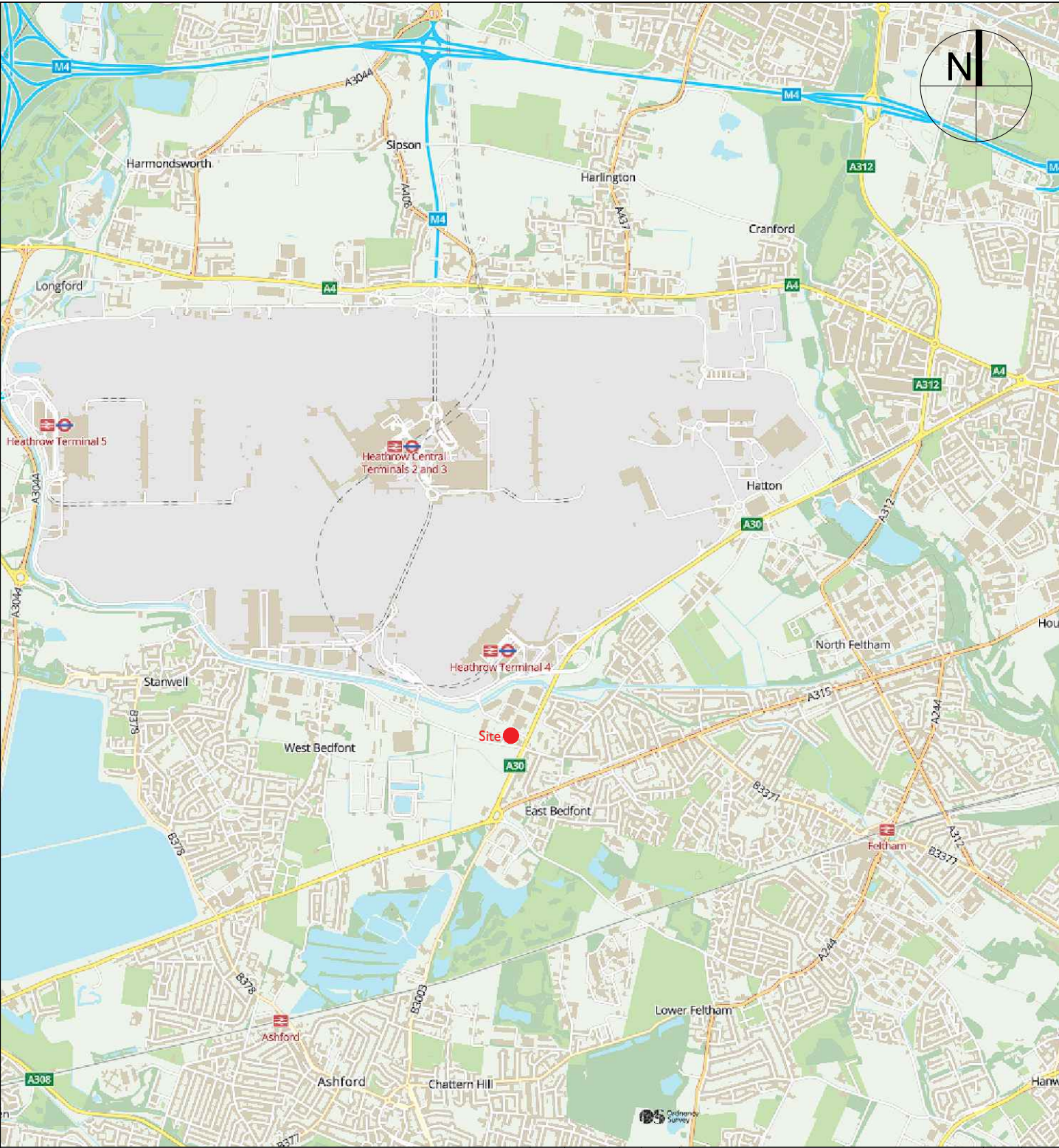
- 6.20 The proposed development is compliant with national and local policies, and supports national planning policy to focus residential development where this is needed and desired.
- 6.21 The scheme has been through Pre-application Advice discussions with Planning and Highways officers whose advice has been incorporated within the scheme.
- 6.22 The scheme will generate negligible effects on the local highway network, and will support existing local networks and services through increase custom and a higher local working population density.
- 6.23 There is therefore no highways or transportation reason why the proposed development should not be granted planning consent.

Appendices

Appendix: A - Location Plan
Appendix: B - Proposed Plans
Appendix: C - Transport Pre-application Advice
Appendix: D - PTAL Report
Appendix: E - Bus Services
Appendix: F - Rail Services
Appendix: G - Census Data
Appendix: H - Visibility Splay
Appendix: I - Swept Path Analysis
Appendix: J - TRICS Data



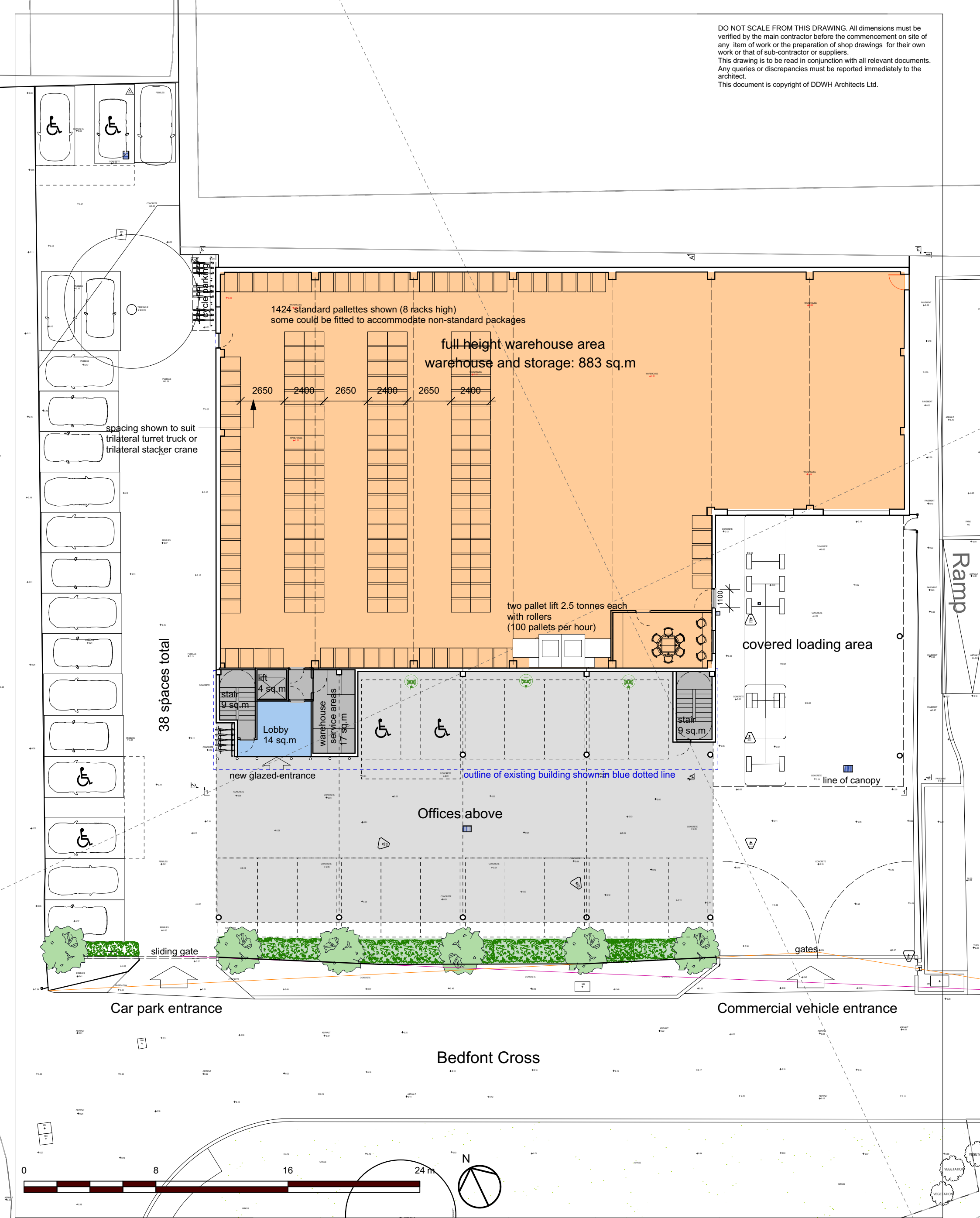
Appendix: A - Location Plan



DRAWING STATUS:		REV	DATE	BY	DESCRIPTION	CKD	APP
FOR INFORMATION		PROJECT: NNH HOUSE,BEDFONT CROSS, STANWELL ROAD, FELTHAM					
Ordnance Survey (c) Crown Copyright 2018. All rights reserved. Licence number 100022432							
EAS 1ST Floor Millers House, Roydon Road, Stanstead Abbots, SG12 8HN Tel: 01920 871777 www.eastp.co.uk							
CLIENT:		TITLE:				LOCATION MAP	
NNR GLOBAL UK LTD		SCALE @ A3: NTS		DESIGN-DRAWN: JM		DATE: 31/07/2023	
ARCHITECT:		PROJECT No:		DRAWING No:			
DDWH ARCHITECTS		4633		SK01			

Appendix: B - Proposed Plans

DO NOT SCALE FROM THIS DRAWING. All dimensions must be verified by the main contractor before the commencement on site of any item of work or the preparation of shop drawings for their own work or that of sub-contractor or suppliers. This drawing is to be read in conjunction with all relevant documents. Any queries or discrepancies must be reported immediately to the architect. This document is copyright of DDWH Architects Ltd.



Rev	Date	Notes	Project:	Date:	Architecture
a	May 2022.	entrance amended	NNR Logistics Office and Warehouse	May 2022	Urban design
b	June 2022	racking amended	Client:	Scale:	Interior design
c	January 2023	frontage redesigned	NNR Global Logistics	1:200 at A3	
d	March 2023.	updated with survey	Drawing No:	Drawn:	
e	July 2023.	warehouse staff area added	237-201g	dd	
f	July 2023.	guest cycle spaces added	Drawing Title:		
g	Aug 2023	parking amended	Ground Floor Plan as Proposed		

7 Lovers Walk London N3 1JH
T: 020 8343 0156
F: 020 8346 0160
E: mail@ddwharchitects.com

ddwh
ARCHITECTS



Appendix: C - Transport Pre-app Advice

HIGHWAY CONSIDERATIONS:

The Council's Highway Engineer advises that:-

Transport for London use as system called PTAL (Public Transport Accessibility Level) to measure access to the public transport network. PTAL assesses walk times to the nearest public transport location taking into account service frequency. The location is then scored between 0 and 6b where 0 is the worst and 6b the best. According to the Transport for London WebCAT service the application site has a PTAL ranking of 1a, the worst, indicating access to public transport is poor compared to London as a whole suggesting that there would be a reliance on the private car for trip making to and from the site.

Planning law requires that applications for planning permission be determined in accordance with the development plan unless material considerations indicate otherwise. The published London Plan 2021 has no specific policy for Use Classes Order B2 (general industry) and B8 (storage and distribution) though Policy T6.2 Office Parking advises that these employment uses should have regard to Policy T6.2 Office Parking and take into account the significantly lower employment densities of such developments. Taking into account the sites low PTAL score the London Plan would allow a maximum of 44no. car parking spaces. The 38no. of proposed spaces is therefore in accordance with these standards and could be accepted. The Highway Authority notes that some of the car parking bays are leased from BAA and some not marked out. If a planning application is submitted the applicant is informed that the Highway Authority would require clarification regarding the permanence of the spaces leased from BAA, the provision of these is key to the application being acceptable, the applicant is further advised that it would be a requirement that these are properly surfaced and marked out. The London Plan also requires that all operational parking must provide infrastructure for electric or other Ultra-Low Emission Vehicles. Operational parking refers to parking provided for vehicles that are kept on-plot.

The London Plan requires that for car parking in workplaces 5% of all space are designated bays and a further 5% enlarged bays, based on the development providing 38no. spaces the Highway Authority would require the development to provide 4no. designated and 4no. enlarged bays. The Hillingdon Local Plan: Part 2 Development Management Policies 2020 requires that the minimum dimensions of a disabled bay must be 2400mm x 4800mm plus shared 1200mm transfer zone. The transfer zone provides the occupants with more room to get out of the vehicle. Disabled bays that are side by side to one another can share the 1200mm transfer zone to save space.

Based on London Plan standards the Highway Authority require that the proposal provides 5no. long stay and 3no. short stay cycle parking spaces. All long stay cycle parking spaces should be accessible, sheltered, and secure, for short stay parking Sheffield Stands are satisfactory. Full guidance is provided in the Transport for London Cycle Design Standards.

If an application is forthcoming the Highway Authority would require that a Transport Statement is provided. This should include an audit and appraisal of existing site information and baseline traffic data and details of the development including proposed means of access, person trip generation and distribution of trips by mode of transport, measure proposed to encourage and enable active and sustainable travel, proposed parking and servicing strategy, residual vehicle trip impact and details of the sites current use or an extant planning permission and the net level of change in traffic flows that might arise from the development.

The applicant is advised that the Highway Authority would require that a Travel Plan is provided to support the proposal. This should contain targets for reducing the number of car trips that the development generates and set out those measures that will be implemented to achieve these. As surety that the Travel Plan will be implemented and targets achieved, the Highway Authority requires

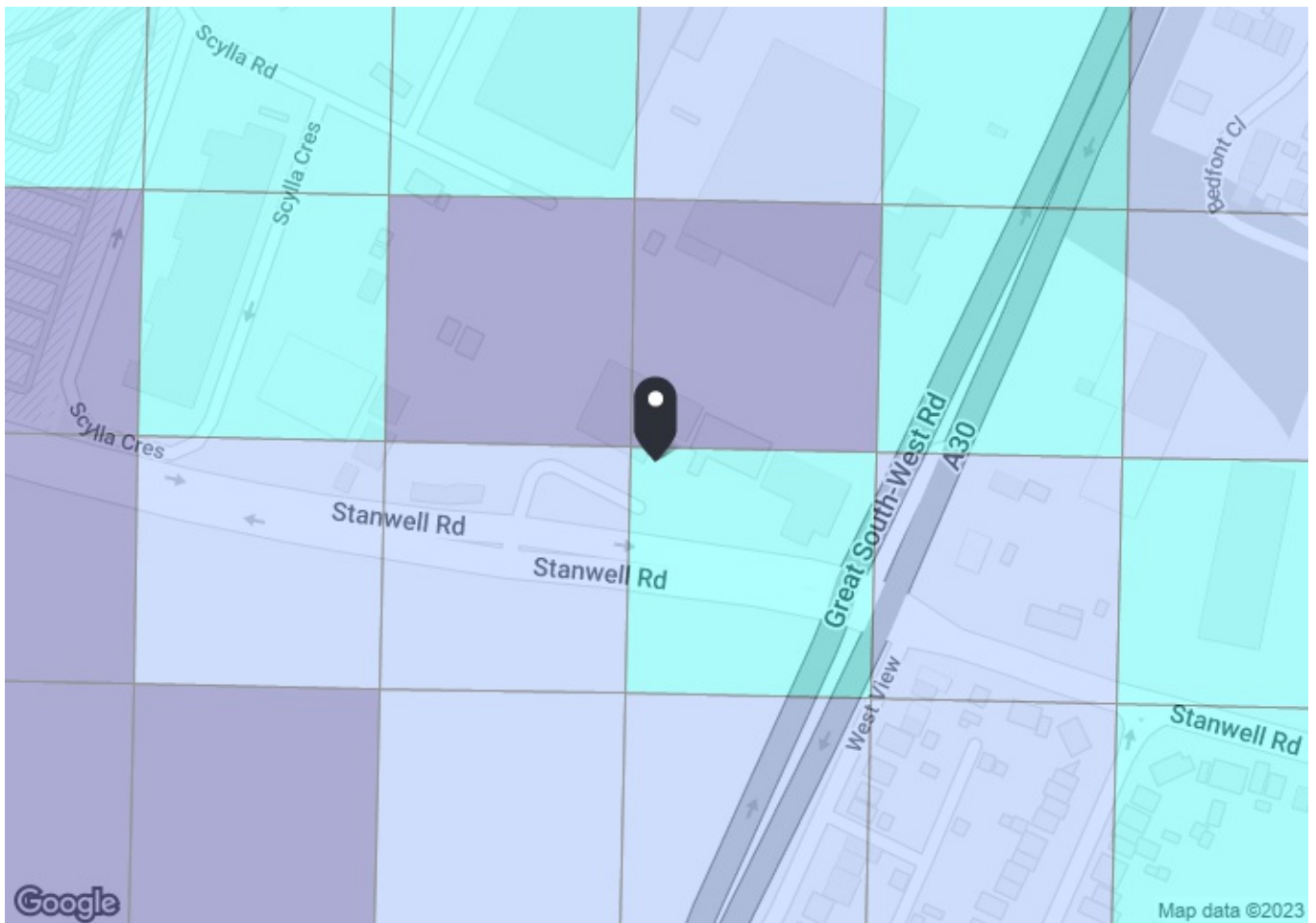
that the developer provides a £20,000 bond. In the event of the Travel Plan not being delivered the Highway Authority will use this bond to implement the Travel Plan itself. This should be secured by way of a S106 agreement. If the Travel Plan is successful the bond will be returned. The Travel Plan should be drafted in accordance with the Guidance produced by TfL available at <https://tfl.gov.uk/info-for/urban-planning-and-construction/transport-assessment-guide/travel-plans>

The Highway Authority requires that the dimensions of parking spaces, carriageway and footway widths, pedestrian visibility splays and cycle bays and refuse collection and storage points etc should be shown and annotated on the deposited plans. Copies of all plans should be provided printable to scale at A3.

Subject to the above this is a proposal that the Highway Authority could support, however, the comments made at this stage in the process are entirely without prejudice to the views of the Planning Authority or advice that may be provided at a formal submission.



Appendix: D - PTAL Report



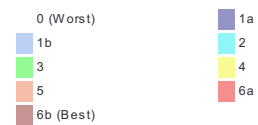
PTAL output for Base Year 2

N N R House, Stanwell Rd, Feltham TW14 8NG, UK
Easting: 508107, Northing: 173888

Grid Cell: 47959

Report generated: 12/07/2023

Map key - PTAL



Map layers

 PTAL (cell size: 100m)

Calculation Parameters

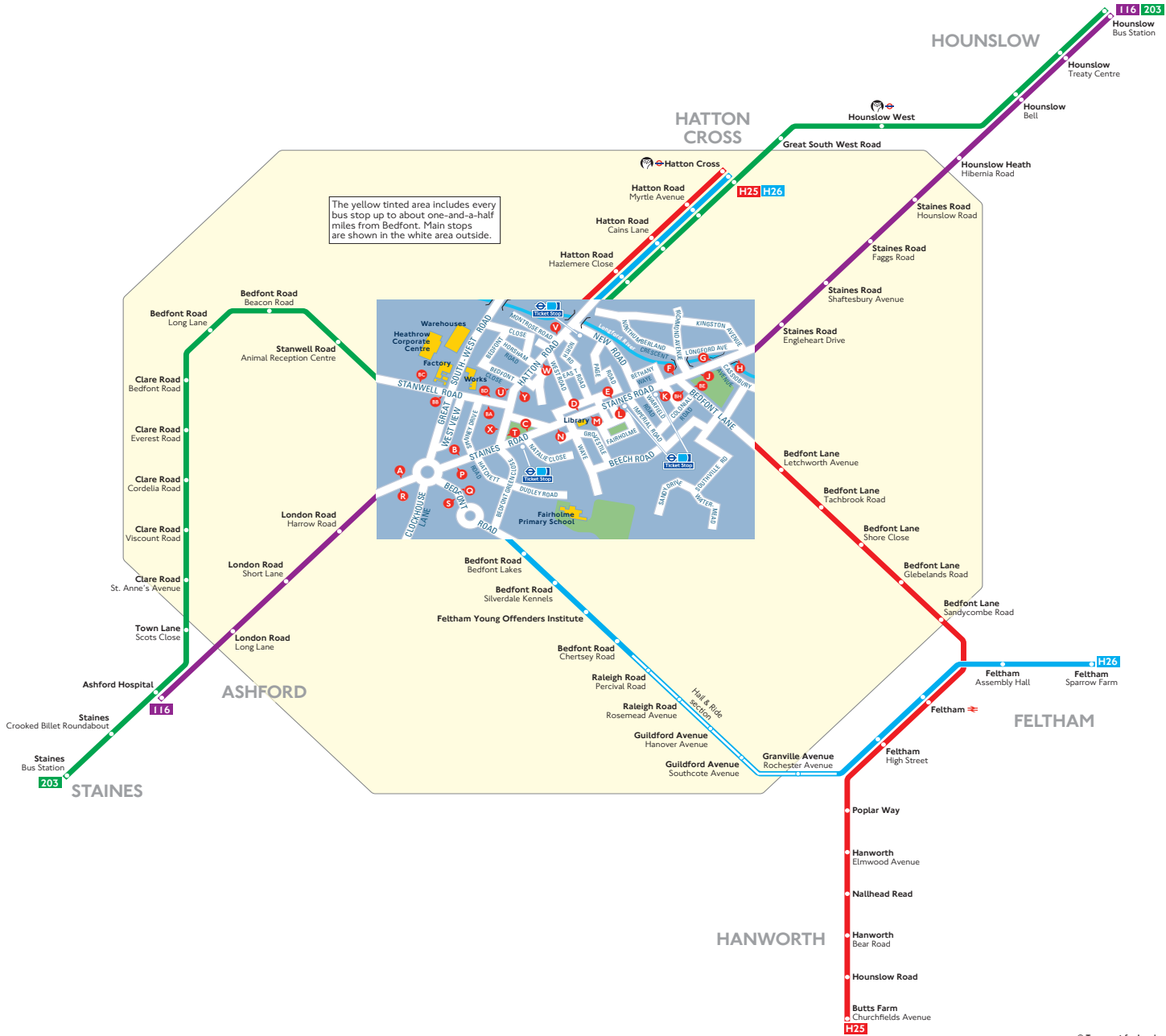
Day of Week	M-F
Time Period	AM Peak
Walk Speed	4.8 kph
Bus Node Max. Walk Access Time (mins)	8
Bus Reliability Factor	2.0
LU Station Max. Walk Access Time (mins)	12
LU Reliability Factor	0.75
National Rail Station Max. Walk Access Time (mins)	12
National Rail Reliability Factor	0.75

Calculation data

Mode	Stop	Route	Distance (metres)	Frequency(vph)	Walk Time (mins)	SWT (mins)	TAT (mins)	EDF	Weight	AI
Bus	BEDFONT GREEN	116	575.37	5	7.19	8	15.19	1.97	0.5	0.99
Bus	STANWELL RD GREAT S WRD	203	120.9	3	1.51	12	13.51	2.22	1	2.22
Bus	BEDFONT GREEN HATTON RD	H26	427.64	3	5.35	12	17.35	1.73	0.5	0.86
Bus	BEDFONT GREEN HATTON RD	H25	427.64	4	5.35	9.5	14.85	2.02	0.5	1.01
Total Grid Cell AI:										5.08

Appendix: E - Bus Services

Buses from Bedfont



Route finder

Bus route	Towards	Bus stops
116	Ashford Hospital	H J K L M N P R A B C D E F G
203	Hounslow	C D U V W X Y Z
H25	Staines	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
H26	Hanworth	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
	Hatton Cross	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
	Feltham	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
	Hatton Cross	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Key

- Connections with London Underground
- Connections with National Rail
- Tube station with 24-hour service Friday and Saturday nights

Ways to pay

- Use your contactless debit or credit card. It's the same fare as Oyster and there is no need to top up.
- Top up your Oyster pay as you go credit or buy Travelcards and bus & tram passes at around 4,000 shops across London.
- Sign up for an online account to top up online and see your travel history and spending.



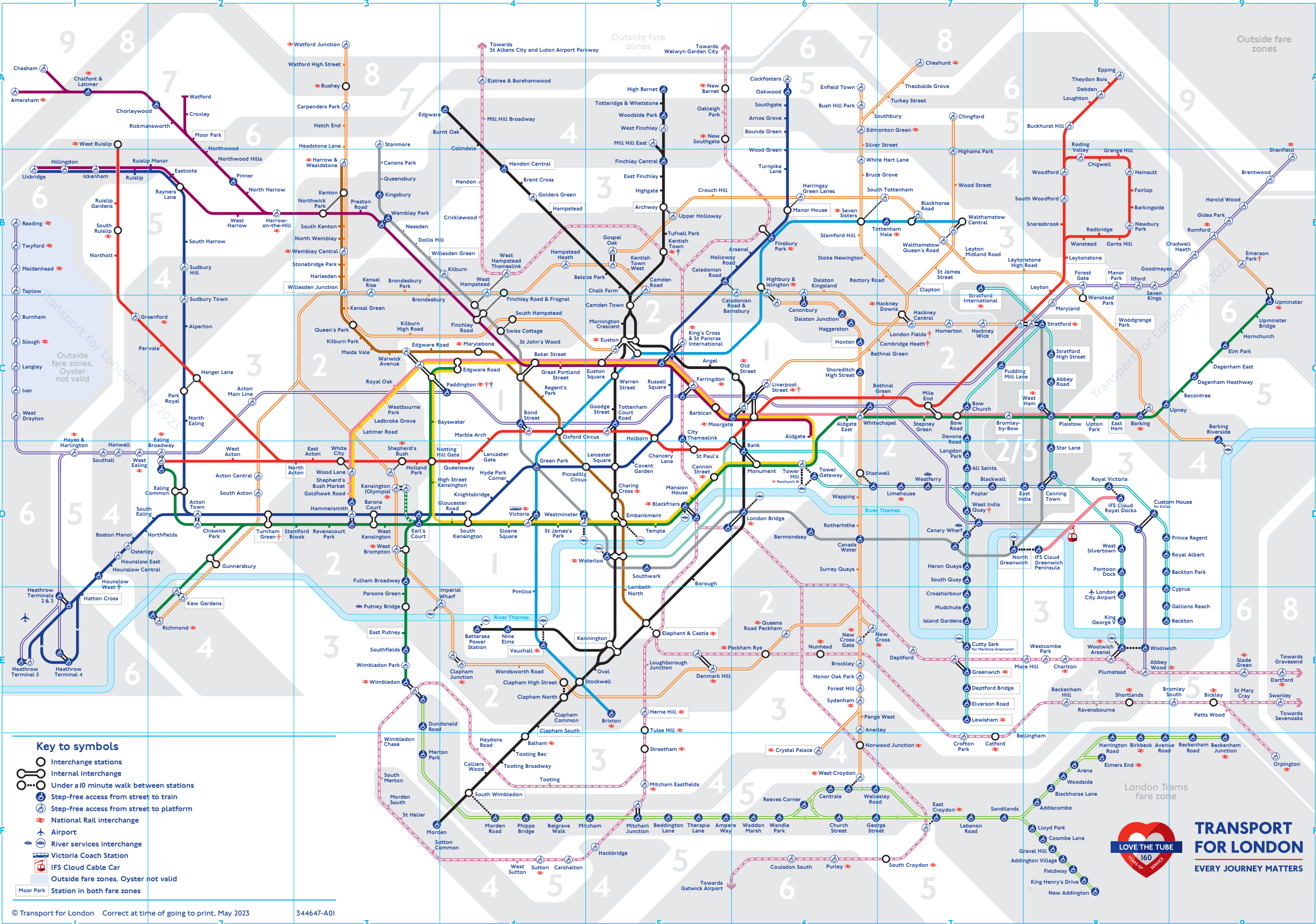
Appendix: F - Rail Services

Tube map

Plan your journey
Download the TfL Go app
*Network charges may apply. See tfl.gov.uk/terms for details.

24 hour travel information
0343 222 1234*

Check your travel
tfl.gov.uk/travel-tools



Online maps are strictly for personal use only. To license the Tube map for commercial use please visit tfl.gov.uk/maplicensing

TfL Go, your real-time travel app

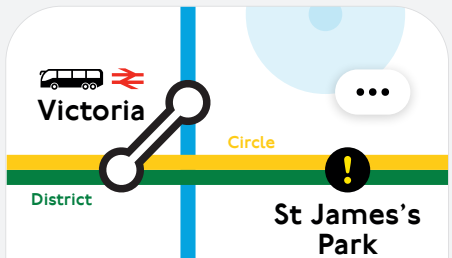
Download TfL Go to plan your journey

Direct

DST 20

Bus only

Direct



Download on the
App Store

GET IT ON
Google Play



Index to stations

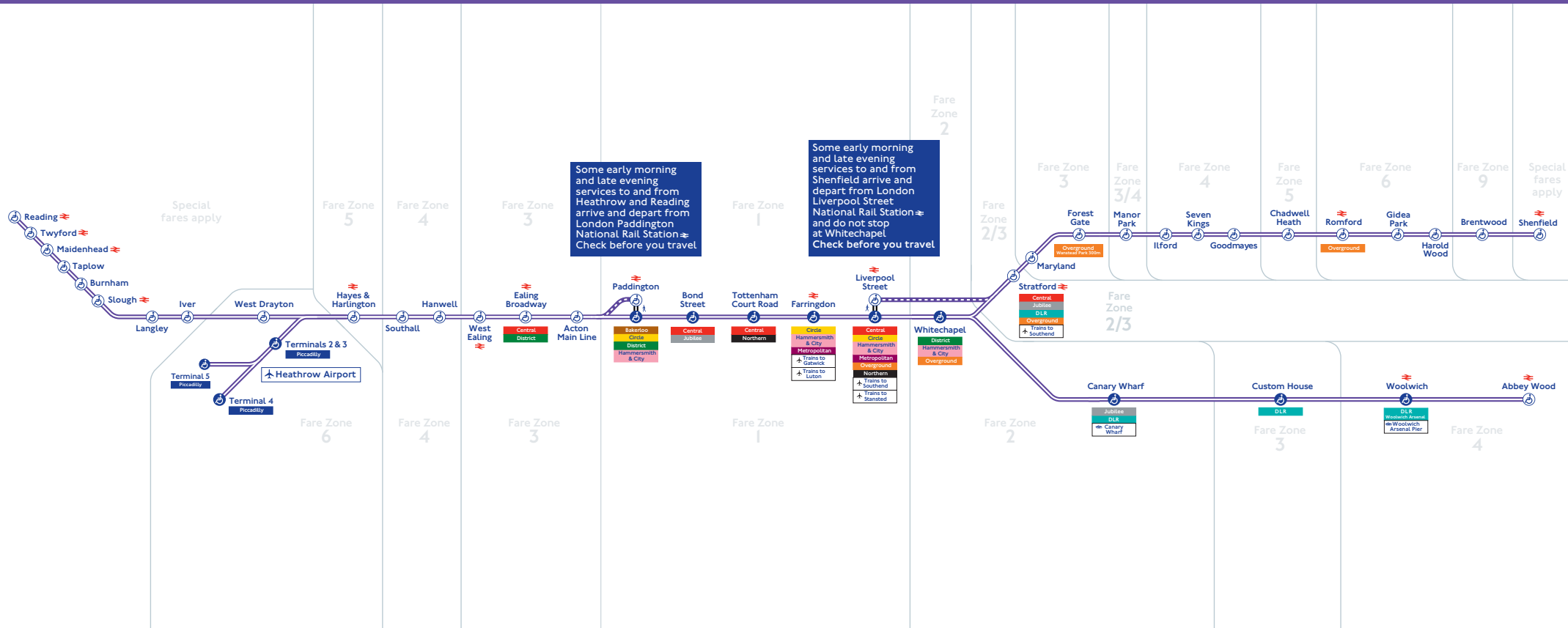
Grid Station & facilities	Zones
C8 Abbey Road 	2/3
E8 Abbey Wood 	4
D2 Acton Central 	3
C2 Acton Main Line 	3
D2 Acton Town 	3
F8 Addington Village 	Special
F8 Addiscombe 	Special
C6 Aldgate	1
C6 Aldgate East	1
D7 All Saints 	2
C2 Alperton 	4
A1 Amersham 	9
F5 Ampere Way 	Special
E6 Anerley 	4
C5 Angel	1
B5 Archway	2/3
F8 Arena 	Special
A6 Arnos Grove 	4
B6 Arsenal	2
F8 Avenue Road 	Special
C4 Baker Street 	1
F4 Balham 	3
D6 Bank 	1
C5 Barbican	1
C8 Barking 	4
C9 Barking Riverside 	4
B8 Barkingside 	4
D3 Barons Court 	2
E4 Battersea Power Station 	1
C3 Bayswater	1
E8 Beckenham Hill 	4
F9 Beckenham Junction	Special
E8 Beckton 	3
D8 Beckton Park 	3
C9 Becontree 	5
F5 Beddington Lane 	Special
F4 Belgrave Walk 	Special
E7 Bellingham	3
B5 Belsize Park	2
D6 Bermondsey 	2
C7 Bethnal Green (Central line)	2
C6 Bethnal Green	2
E9 Bickley 	5
F8 Birkbeck 	Special
D5 Blackfriars 	1
F8 Blackhorse Lane 	Special
B7 Blackhorse Road 	3
D7 Blackwall 	2
C4 Bond Street 	1
D5 Borough	1
D1 Boston Manor 	4
A6 Bounds Green 	3/4
C7 Bow Church 	2
C7 Bow Road 	2
B4 Brent Cross 	3
B9 Brentwood 	9
E5 Brixton 	2
E6 Brockley 	2
C7 Bromley-by-Bow 	2/3
E9 Bromley South 	5
B3 Brondesbury 	2
B3 Brondesbury Park 	2
B6 Bruce Grove	3
A8 Buckhurst Hill 	5
C1 Burnham 	Special
A4 Burnt Oak 	4
A6 Bush Hill Park 	5
A3 Bushey 	8
B5 Caledonian Road 	2
B6 Caledonian Road & Barnsbury 	2
C7 Cambridge Heath 	2
B5 Camden Road 	2
C5 Camden Town	2
D6 Canada Water 	2
D7 Canary Wharf 	2
D8 Canning Town 	2/3

Grid Station & facilities	Zones
D5 Cannon Street 	1
C6 Canonbury 	2
() Trains to Richmond, Clapham Junction & Stratford)	
() Trains to other destinations)	
B3 Canons Park 	5
A3 Carpenders Park 	7
F4 Carshalton 	5
F7 Catford 	3
F6 Centrale 	Special
B9 Chadwell Heath 	5
A1 Chalfont & Latimer 	8
B5 Chalk Farm	2
D5 Chancery Lane	1
D5 Charing Cross 	1
E8 Charlton 	3
A1 Chesham 	9
A7 Cheshunt 	8
B8 Chigwell 	4
A7 Chingford 	5
D2 Chiswick Park	3
A2 Chorleywood 	7
F6 Church Street 	Special
C5 City Thameslink 	1
E4 Clapham Common 	2
E4 Clapham High Street 	2
E4 Clapham Junction 	2
E4 Clapham North 	2
E4 Clapham South 	2/3
B7 Clapton 	2/3
A6 Cockfosters 	5
A4 Colindale 	4
F4 Colliers Wood 	3
F8 Coombe Lane 	Special
F6 Coulsdon South 	6
D5 Covent Garden	1
B4 Cricklewood 	3
F7 Crofton Park 	3
E7 Crossharbour 	2
B5 Crouch Hill 	3
A2 Croxley 	7
F6 Crystal Palace 	3/4
D8 Custom House for ExCeL 	3
() Circle, District and Elizabeth line only)	
E7 Cutty Sark for Maritime Greenwich 	2/3
E8 Cyprus 	3
C9 Dagenham East 	5
C9 Dagenham Heathway 	5
C6 Dalston Junction 	2
B6 Dalston Kingsland	2
E9 Dartford 	8
A8 Debden 	6
E5 Denmark Hill 	2
E7 Deptford 	2
E7 Deptford Bridge 	2/3
C7 Devons Road 	2
B3 Dollis Hill 	3
E3 Dundonald Road 	Special
D2 Ealing Broadway 	3
() Central line and Elizabeth line only)	
() District line only)	
D2 Ealing Common 	3
D3 Earl's Court 	1/2
D3 East Acton	2
B3 East Croydon 	5/Special
B5 East Finchley 	3
C8 East Ham 	3/4
D8 East India 	2/3
E3 East Putney 	2/3
B2 Eastcote 	5
A4 Edgware 	5
C3 Edgware Road (Bakerloo)	1
C4 Edgware Road (Circle/District/H&C)	1
A6 Edmonton Green 	4
E5 Elephant & Castle 	1/2
F8 Elmers End 	Special
C9 Elm Park 	6
A4 Elstree & Borehamwood 	6
() Circle, District and Elizabeth line only)	
E7 Elverson Road 	2/3
D5 Embankment	1
B9 Emerson Park	6

Grid Station & facilities	Zones
A6 Enfield Town 	5
A8 Epping 	6
C5 Euston 	1
() London Overground only)	
C5 Euston Square	1
B8 Fairlop 	4
C5 Farringdon 	1
() Circle, H&C and Metropolitan lines), () Elizabeth line and Thameslink)	
F8 Fieldway 	Special
B5 Finchley Central 	4
C4 Finchley Road 	2
B4 Finchley Road & Frognal	2
B6 Finsbury Park 	2
() Underground only)	
B8 Forest Gate 	3
E6 Forest Hill 	3
D3 Fulham Broadway 	2
E8 Gallions Reach 	3
B8 Gants Hill	4
F6 George Street 	Special
B9 Gidea Park 	6
D4 Gloucester Road	1
B4 Golders Green 	3
D3 Goldhawk Road	2
C5 Goudge Street	1
B9 Goodmayes 	4
B5 Gospel Oak 	2
B8 Grange Hill 	4
F8 Gravel Hill 	Special
C4 Great Portland Street	1
D4 Green Park 	1
C1 Greenford 	4
E7 Greenwich 	2/3
D2 Gunnersbury	3
F5 Hackbridge 	4
C7 Hackney Central 	2
C7 Hackney Downs 	2
C7 Hackney Wick 	2
C6 Haggerston 	2
B8 Hainault 	4
D3 Hammersmith 	2
() Circle, District and Hammersmith & City lines only)	
() Piccadilly line only)	
B4 Hampstead	2/3
B4 Hampstead Heath 	2
C2 Hanger Lane 	3
D1 Hanwell 	4
B3 Harlesden 	3
B9 Harold Wood 	6
B6 Harringay Green Lanes 	3
F8 Harrington Road 	Special
B3 Harrow & Wealdstone 	5
() Circle, District and Elizabeth line only)	
B2 Harrow-on-the Hill 	5
A3 Hatch End 	6
E1 Hatton Cross 	5/6
F4 Haydons Road 	3
D1 Hayes & Harlington 	5
A3 Headstone Lane 	5
E1 Heathrow Terminals 2 & 3 	6
E1 Heathrow Terminal 4 	6
E1 Heathrow Terminal 5 	6
B4 Hendon 	3/4
B4 Hendon Central 	3/4
E5 Herne Hill 	2/3
D7 Heron Quays 	2
A5 High Barnet 	5
D3 High Street Kensington	1
B7 Highams Park 	4
B6 Highbury & Islington 	2
() London Overground only)	
B5 Highgate 	3
B1 Hillingdon 	6
C5 Holborn	1
D3 Holland Park 	2
B6 Holloway Road	2
C7 Homerton 	2
E6 Honor Oak Park 	3
C9 Hornchurch 	6
D1 Hounslow Central 	4
D1 Hounslow East 	4
D1 Hounslow West 	5

Grid Station & facilities		Zones
C6	Hoxton 	1/2
D4	Hyde Park Corner	1
B1	Ickenham 	6
D8	IFS Cloud Greenwich Peninsula 	Special
D8	IFS Cloud Royal Docks 	Special
B8	Ilford 	4
E4	Imperial Wharf 	2
E7	Island Gardens 	2
C1	Iver 	Special
E5	Kennington 	1/2
C3	Kensal Green	2
B3	Kensal Rise 	2
D3	Kensington (Olympia) 	2
B5	Kentish Town 	2
B5	Kentish Town West 	2
B3	Kenton	2
E2	Kew Gardens 	3/4
B4	Kilburn 	2
C3	Kilburn High Road 	2
C3	Kilburn Park	2
E8	King George V 	3
F8	King Henry's Drive 	Special
C5	King's Cross & St Pancras International 	1
B3	Kingsbury 	4
D4	Knightsbridge	1
C3	Ladbroke Grove 	2
E5	Lambeth North	1
D4	Lancaster Gate	1
D7	Langdon Park 	2
C1	Langley 	Special
C3	Latimer Road	2
F7	Lebanon Road 	Special
D5	Leicester Square	1
E7	Lewisham 	2/3
B8	Leyton 	3
B7	Leyton Midland Road 	3
B8	Leytonstone 	3/4
B8	Leytonstone High Road 	3
D7	Limehouse 	2
C6	Liverpool Street 	1
(Ⓒ) Elizabeth line upper level service) (Ⓒ) London Underground) (Ⓒ) Elizabeth line low level service)		
F8	Lloyd Park 	Special
D6	London Bridge 	1
E8	London City Airport 	3
C7	London Fields 	2
E5	Loughborough Junction 	2
A8	Loughton 	6
C3	Maida Vale	2
B1	Maidenhead 	Special
B6	Manor House	2/3
D5	Manor Park 	3/4
C4	Mansion House	1
C4	Marble Arch	1
C8	Maryland 	3
C4	Marylebone 	1
E8	Maze Hill 	3
F3	Merton Park 	Special
C7	Mile End	2
A4	Mill Hill Broadway 	4
A5	Mill Hill East 	4
F5	Mitcham 	Special
F5	Mitcham Eastfields 	3
F5	Mitcham Junction 	4/Special
(Ⓒ)  		
D6	Monument	1
A2	Moor Park 	6/7
C6	Moorgate (Ⓒ) Circle, H&C and Metropolitan lines), (Ⓒ) Northern), (Ⓒ) Elizabeth line upper level service), (Ⓒ) London Underground), (Ⓒ) Elizabeth line low level service)	1
F3	Morden 	4
F3	Morden Road 	Special
F3	Morden South 	4
C5	Mornington Crescent	2
E7	Mudchute 	2
B3	Neasden	3
F8	New Addington 	Special
A5	New Barnet 	5
E6	New Cross 	2
E6	New Cross Gate 	2

Elizabeth line



Valid from Sunday 21 May to Saturday 9 December 2023

Service delay refunds

If you've been delayed on an Elizabeth line journey, you may be able to claim for a service delay refund.

When we refund for service delays

If your journey was delayed for reasons within our control by:

- 15 minutes or more on Tube and DLR services
- 30 minutes or more on London Overground or Elizabeth line services.

We'll refund you the single fare for the journey you were delayed on. For further details please visit the TfL website.

 tfl.gov.uk/refunds

 0343 222 1234*

* Service and network charges may apply. See tfl.gov.uk/terms for details

Key to symbols

-  Interchange stations
-  Step-free access from street to platform
-  Step-free access from street to train
-  National Rail
-  Airport
-  River services interchange

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Shenfield							0444						0504					0524			0533		0541
Brentwood							0448						0508					0528			0537		0545
Harold Wood							0452						0512					0532			0541		0549
Gidea Park							0455		0503				0515			0525		0535			0544		0552
Romford							0458		0506				0518			0528		0538			0547		0555
Chadwell Heath							0501		0509				0521			0531		0541			0550		0558
Goodmayes							0503		0511				0523			0533		0543			0552		0600
Seven Kings							0505		0513				0525			0535		0545			0554		0602
Ilford							0509		0517				0529			0539		0549			0558		0606
Manor Park							0511		0519				0531			0541		0551			0600		0608
Forest Gate							0515		0522				0534			0544		0554			0603		0611
Maryland							0517		0524				0536			0546		0556			0605		0613
Stratford							0519		0527				0539			0549		0559			0608		0616
Abbey Wood															0534		0544			0554		0602	
Woolwich															0537		0547			0557		0605	
Custom House															0541		0551			0601		0609	
Canary Wharf															0545		0555			0605		0613	
Whitechapel											0539	0544		0549	0554	0559	0604		0609	0613	0617	0621	
Liverpool St  Plts A & B											0542	0547			0552	0557	0602	0607		0612	0616	0620	
Liverpool St  Plts 15–17							0527		0535														
Farringdon												0545	0550		0555	0600	0605	0610		0615	0619	0623	
Tottenham Court Road												0548	0553		0558	0603	0608	0613		0618	0622	0626	
Bond Street												0550	0555			0600	0605	0610	0615		0620	0624	
Paddington  Plts 11 & 12	0436	0440	0454	0503	0518	0524		0534		0539	0548			0600					0619				
Paddington  Plts A & B												0554	0558		0606	0609	0613	0618		0624	0627	0633	
Acton Main Line				0509		0530				0545		0600				0615				0630			
Ealing Broadway	0444	0448	0502	0512	0526	0533		0544		0548	0556	0603		0611	0614	0618			0627	0634		0641	
West Ealing				0515		0536		0546		0551		0606			0616	0621				0637			
Hanwell				0517		0538				0553		0608				0623				0639			
Southall	0449	0453	0507	0520	0531	0541				0556	0602	0611		0616		0626			0631	0642		0645	
Hayes & Harlington	0453	0456	0510	0523	0534	0544		0552		0559	0606	0614		0619	0622	0629			0635	0645		0649	
Heathrow Terminals 2 & 3	0500	0506	0518	0535		0552		0600		0607		0622			0630	0637				0653			
Heathrow Terminal 4		0512	0523			0557				0612		0627				0642				0657			
Heathrow Terminal 5	0504			0539				0605							0635							0705	
West Drayton					0538						0609				0623				0638			0652	
Iver					0541						0612				0625				0641			0655	
Langley					0543						0614				0628				0643			0657	
Slough					0547						0618				0632				0647			0701	
Burnham					0551						0622				0635				0651			0705	
Taplow					0553						0624				0638				0653			0707	
M Maidenhead					0557						0628				0641				0657			0711	
Twyford					0603						0634				0648				0705			0717	
Reading					0611						0642				0655				0713			0725	

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Shenfield		0548		0556		0602		0608		0614		0620		0625		0630		0638		0644		0650		
Brentwood		0552		0600		0606		0612		0618		0624		0629		0634		0642		0648		0654		
Harold Wood		0556		0604		0610		0616		0622		0628		0633		0638		0646		0652		0658		
Gidea Park		0559		0607		0613		0619		0625		0631		0636		0641	0645	0649		0655		0701		
Romford		0602		0610		0616		0622		0628		0634		0639		0644	0648	0652		0658		0704		
Chadwell Heath		0605		0613		0619		0625		0631		0637		0642		0647	0651	0655		0701		0707		
Goodmayes		0607		0615		0621		0627		0633		0639		0644		0649	0653	0657		0703		0709		
Seven Kings		0609		0617		0623		0629		0635		0641		0646		0651	0655	0659		0705		0711		
Ilford		0613		0621		0627		0633		0639		0645		0650		0655	0659	0703		0709		0715		
Manor Park		0615		0623		0629		0635		0641		0647		0652		0657	0701	0705		0711		0717		
Forest Gate		0618		0626		0632		0638		0644		0650		0655		0700	0704	0708		0714		0720		
Maryland		0620		0628		0634		0640		0646		0652		0657		0702	0706	0710		0716		0722		
Stratford		0623		0631		0637		0643		0649		0655		0700		0705	0709	0713		0719		0725		
Abbey Wood	0609		0617		0624		0630		0636		0642		0648		0654			0700		0706		0712		
Woolwich	0612		0620		0627		0633		0639		0645		0651		0657			0703		0709		0715		
Custom House	0616		0624		0631		0637		0643		0649		0655		0701			0707		0713		0719		
Canary Wharf	0620		0628		0635		0641		0647		0653		0659		0705			0711		0717		0723		
Whitechapel	0624	0628	0632	0636	0639	0642	0645	0648	0651	0654	0657	0700	0703	0706	0709	0712		0715	0718	0721	0724	0727	0730	
Liverpool St  Plts A & B	0627	0631	0635	0639	0642	0645	0648	0651	0654	0657	0700	0703	0706	0709	0712	0715		0718	0721	0724	0727	0730	0733	
Liverpool St  Plts 15–17																	0717							
Farringdon	0630	0634	0638	0642	0645	0648	0651	0654	0657	0700	0703	0706	0709	0712	0715	0718			0721	0724	0727	0730	0733	0736
Tottenham Court Road	0633	0637	0641	0645	0648	0651	0654	0657	0700	0703	0706	0709	0712	0715	0718	0721			0724	0727	0730	0733	0736	0739
Bond Street	0635	0639	0643	0647	0650	0653	0656	0659	0702	0705	0708	0711	0714	0717	0720	0723			0726	0729	0732	0735	0738	0741
Paddington  Plts 11 & 12																								
Paddington  Plts A & B	0639	0642	0648	0650	0654	0656	0700	0703	0706	0708	0711	0714	0718	0720	0724	0726		0730	0733	0736	0738	0741	0744	
Acton Main Line	0645				0700				0715						0730					0745				
Ealing Broadway	0648		0656		0703		0711	0714	0719				0726		0733		0741	0744	0748					
West Ealing	0651				0706			0716	0722						0736			0746	0751					
Hanwell	0653				0708				0724						0738				0753					
Southall	0656		0703		0711		0715		0727				0732		0741		0746		0756					
Hayes & Harlington	0700		0706		0714		0719	0722	0730				0735		0744		0749	0753	0759					
Heathrow Terminals 2 & 3	0707				0722			0730	0738						0752			0800	0807					
Heathrow Terminal 4	0712				0727				0742						0757				0812					
Heathrow Terminal 5							0735											0805						
West Drayton			0710				0722						0739					0753						
Iver			0712				0725						0741					0755						
Langley			0715				0727						0744					0758						
Slough			0719				0731						0748					0802						
Burnham			0722				0735						0751					0805						
Taplow			0725				0737						0754					0808						
Maidenhead			0728				0741						0757					0811						
Twyford			0735				0747						0805					0818						
Reading			0743				0755						0812					0825						

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Shenfield		0654		0658			0704		0710		0716		0720		0724		0728			0734		0740	
Brentwood		0658		0702			0708		0714		0720		0724		0728		0732			0738		0744	
Harold Wood		0702		0706			0712		0718		0724		0728		0732		0736			0742		0748	
Gidea Park		0705		0709	0713		0717		0722		0727		0731		0735		0739	0743		0747		0752	
Romford		0708		0712	0716		0720		0725		0730		0734		0738		0742	0746		0750		0755	
Chadwell Heath		0711		0715	0719		0723		0728		0733		0737		0741		0745	0749		0753		0758	
Goodmayes		0713		0717	0721		0725		0730		0735		0739		0743		0747	0751		0755		0800	
Seven Kings		0715		0719	0723		0727		0732		0737		0741		0745		0749	0753		0757		0802	
Ilford		0719		0723	0727		0731		0736		0741		0745		0749		0753	0757		0801		0806	
Manor Park		0721		0725	0729		0733		0738		0743		0747		0751		0755	0759		0803		0808	
Forest Gate		0724		0728	0732		0736		0741		0746		0750		0754		0758	0802		0806		0811	
Maryland		0726		0730	0734		0738		0743		0748		0752		0756		0800	0804		0808		0813	
Stratford		0729		0733	0737		0741		0746		0751		0755		0759		0803	0807		0811		0816	
Abbey Wood	0718		0724			0729		0734		0739		0744		0749		0754			0759		0804		0809
Woolwich	0721		0727			0732		0737		0742		0747		0752		0757			0802		0807		0812
Custom House	0725		0731			0736		0741		0746		0751		0756		0801			0806		0811		0816
Canary Wharf	0729		0735			0740		0745		0750		0755		0800		0805			0810		0815		0820
Whitechapel	0733	0736	0739	0741		0744	0746	0749	0751	0754	0756	0759	0801	0804	0806	0809	0811		0814	0816	0819	0821	0824
Liverpool St  Plts A & B	0736	0739	0742	0744		0747	0749	0752	0754	0757	0759	0802	0804	0807	0809	0812	0814		0817	0819	0822	0824	0827
Liverpool St  Plts 15–17					0745													0815					
Farringdon	0739	0742	0744	0747		0749	0752	0754	0757	0759	0802	0804	0807	0809	0812	0814	0817		0819	0822	0824	0827	0829
Tottenham Court Road	0742	0745	0747	0750		0752	0755	0757	0800	0802	0805	0807	0810	0812	0815	0817	0820		0822	0825	0827	0830	0832
Bond Street	0744	0747	0749	0752		0754	0757	0759	0802	0804	0807	0809	0812	0814	0817	0819	0822		0824	0827	0829	0832	0834
Paddington  Plts 11 & 12																							
Paddington  Plts A & B	0748	0750	0753	0755		0758	0800	0803	0806	0808	0810	0813	0815	0818	0820	0823	0825		0828	0830	0833	0836	0838
Acton Main Line			0800							0815						0830							0845
Ealing Broadway	0757		0803			0811			0814	0818		0826				0833			0841			0844	0848
West Ealing			0806						0816	0821						0836						0846	0851
Hanwell			0808							0823						0838							0853
Southall	0801		0811			0817				0826		0832				0841			0845				0856
Hayes & Harlington	0805		0814			0820			0823	0829		0835				0844			0849			0852	0859
Heathrow Terminals 2 & 3			0822						0831	0837						0852						0900	0907
Heathrow Terminal 4			0827							0842						0857							0912
Heathrow Terminal 5									0835													0905	
West Drayton	0808					0824						0839							0854				
Iver	0811					0826						0841							0856				
Langley	0813					0829						0844							0859				
Slough	0817					0833						0848							0903				
Burnham	0821					0836						0851							0906				
Taplow	0823					0839						0854							0909				
M Maidenhead	0827					0842						0857							0912				
Twyford	0833					0849						0904							0919				
Reading	0842					0858						0911							0926				

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Shenfield	0746		0750		0754		0758			0804		0810		0816		0821		0826		0831		0836	
Brentwood	0750		0754		0758		0802			0808		0814		0820		0825		0830		0835		0840	
Harold Wood	0754		0758		0802		0806			0812		0818		0824		0829		0834		0839		0844	
Gidea Park	0757		0801		0805		0809	0813		0817		0822		0827		0832		0837		0842		0847	0851
Romford	0800		0804		0808		0812	0816		0820		0825		0830		0835		0840		0845		0850	0854
Chadwell Heath	0803		0807		0811		0815	0819		0823		0828		0833		0838		0843		0848		0853	0857
Goodmayes	0805		0809		0813		0817	0821		0825		0830		0835		0840		0845		0850		0855	0859
Seven Kings	0807		0811		0815		0819	0823		0827		0832		0837		0842		0847		0852		0857	0901
Ilford	0811		0815		0819		0823	0827		0831		0836		0841		0846		0851		0856		0901	0905
Manor Park	0813		0817		0821		0825	0829		0833		0838		0843		0848		0853		0858		0903	0907
Forest Gate	0816		0820		0824		0828	0832		0836		0841		0846		0851		0856		0901		0906	0910
Maryland	0818		0822		0826		0830	0834		0838		0843		0848		0853		0858		0903		0908	0912
Stratford	0821		0825		0829		0833	0837		0841		0846		0851		0856		0901		0906		0911	0915
Abbey Wood		0814		0819		0824			0829		0834		0839		0844		0849		0854		0900		
Woolwich		0817		0822		0827			0832		0837		0842		0847		0852		0857		0903		
Custom House		0821		0826		0831			0836		0841		0846		0851		0856		0901		0907		
Canary Wharf		0825		0830		0835			0840		0845		0850		0855		0900		0905		0911		
Whitechapel	0826	0829	0831	0834	0836	0839	0841		0844	0846	0849	0851	0854	0856	0859	0901	0904	0906	0909	0912	0915	0918	
Liverpool St  Plts A & B	0829	0832	0834	0837	0839	0842	0844		0847	0849	0852	0854	0857	0859	0902	0904	0907	0909	0912	0915	0918	0921	
Liverpool St  Plts 15–17								0845															0923
Farringdon	0832	0834	0837	0839	0842	0844	0847		0849	0852	0854	0857	0859	0902	0904	0907	0909	0912	0915	0918	0921	0924	
Tottenham Court Road	0835	0837	0840	0842	0845	0847	0850		0852	0855	0857	0900	0902	0905	0907	0910	0912	0915	0918	0921	0924	0927	
Bond Street	0837	0839	0842	0844	0847	0849	0852		0854	0857	0859	0902	0904	0907	0909	0912	0914	0917	0920	0923	0926	0929	
Paddington  Plts 11 & 12																							
Paddington  Plts A & B	0840	0843	0845	0848	0850	0853	0855		0858	0900	0903	0906	0908	0910	0913	0915	0918	0920	0924	0926	0930	0933	
Acton Main Line						0900							0915						0930				
Ealing Broadway		0852				0903			0911			0914	0918		0926				0933		0941	0944	
West Ealing						0906						0916	0921						0936			0946	
Hanwell						0908							0923						0938				
Southall		0859				0911			0915				0926		0932				0941		0945		
Hayes & Harlington		0902				0914			0919			0922	0929		0935				0944		0949	0952	
Heathrow Terminals 2 & 3						0922						0930	0937						0952			1000	
Heathrow Terminal 4						0927							0942						0957				
Heathrow Terminal 5												0935										1005	
West Drayton		0906							0924						0939						0952		
Iver		0908							0926												0955		
Langley		0911							0929							0943					0957		
Slough		0915							0933							0947					1001		
Burnham		0918							0936							0950					1005		
Taplow		0921														0953							
Maidenhead		0924							0944							0956					1012		
Twyford		0931														1003							
Reading		0938														1010							

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Shenfield		0844		0850		0856		0901		0906			0914		0920		0926		0933		0941		0948
Brentwood		0848		0854		0900		0905		0910			0918		0924		0930		0937		0945		0952
Harold Wood		0852		0858		0904		0909		0914			0922		0928		0934		0941		0949		0956
Gidea Park		0855		0901		0907		0912		0917	0921		0925		0931		0937		0944		0952		0959
Romford		0858		0904		0910		0915		0920	0924		0928		0934		0940		0947		0955		1002
Chadwell Heath		0901		0907		0913		0918		0923	0927		0931		0937		0943		0950		0958		1005
Goodmayes		0903		0909		0915		0920		0925	0929		0933		0939		0945		0952		1000		1007
Seven Kings		0905		0911		0917		0922		0927	0931		0935		0941		0947		0954		1002		1009
Ilford		0909		0915		0921		0926		0931	0935		0939		0945		0951		0958		1006		1013
Manor Park		0911		0917		0923		0928		0933	0937		0941		0947		0953		1000		1008		1015
Forest Gate		0914		0920		0926		0931		0936	0940		0944		0950		0956		1003		1011		1018
Maryland		0916		0922		0928		0933		0938	0942		0946		0952		0958		1005		1013		1020
Stratford		0919		0925		0931		0936		0941	0945		0949		0955		1001		1008		1016		1023
Abbey Wood	0906		0911		0918		0924		0930			0936		0942		0948		0954		1002		1009	
Woolwich	0909		0915		0921		0927		0933			0939		0945		0951		0957		1005		1012	
Custom House	0913		0919		0925		0931		0937			0943		0949		0955		1001		1009		1016	
Canary Wharf	0917		0923		0929		0935		0941			0947		0953		0959		1005		1013		1020	
Whitechapel	0921	0924	0927	0930	0933	0936	0939	0942	0945	0948		0951	0954	0957	1000	1003	1006	1009	1013	1017	1021	1024	1028
Liverpool St  Plts A & B	0924	0927	0930	0933	0936	0939	0942	0945	0948	0951		0954	0957	1000	1003	1006	1009	1012	1016	1020	1024	1027	1031
Liverpool St  Plts 15–17											0953												
Farringdon	0927	0930	0933	0936	0939	0942	0945	0948	0951	0954		0957	1000	1003	1006	1009	1012	1015	1019	1023	1027	1030	1034
Tottenham Court Road	0930	0933	0936	0939	0942	0945	0948	0951	0954	0957		1000	1003	1006	1009	1012	1015	1018	1022	1026	1030	1033	1037
Bond Street	0932	0935	0938	0941	0944	0947	0950	0953	0956	0959		1002	1005	1008	1011	1014	1017	1020	1024	1028	1032	1035	1039
Paddington  Plts 11 & 12																							
Paddington  Plts A & B	0936	0938	0941	0944	0948	0950	0954	0956	1000	1003		1006	1008	1011	1014	1018	1020	1024	1027	1032	1036	1039	1042
Acton Main Line	0945						1000					1015					1030						1045
Ealing Broadway	0948				0956		1003		1011	1014		1018				1026		1033		1041	1044	1048	
West Ealing	0951						1006			1016		1021					1036			1046		1052	
Hanwell	0953						1008					1023					1038					1054	
Southall	0956				1002		1011		1015			1026			1032		1041		1045			1057	
Hayes & Harlington	0959				1005		1014		1019	1022		1029			1035		1044		1049	1052	1100		
Heathrow Terminals 2 & 3	1007						1022			1030		1037					1052			1100	1108		
Heathrow Terminal 4	1012						1027					1042					1057				1112		
Heathrow Terminal 5										1035										1105			
West Drayton				1009					1022							1039				1052			
Iver									1025											1055			
Langley				1013					1027								1043			1057			
Slough				1017					1031								1047			1101			
Burnham				1020					1035								1050			1105			
Taplow				1023													1053						
M Maidenhead				1026					1042								1056			1112			
Twyford				1033													1103						
Reading				1040													1110						

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Shenfield		0956		1003		1011		1018		1026		1033		1041		1048		1056		1103		1111		
Brentwood		1000		1007		1015		1022		1030		1037		1045		1052		1100		1107		1115		
Harold Wood		1004		1011		1019		1026		1034		1041		1049		1056		1104		1111		1119		
Gidea Park		1007		1014		1022		1029		1037		1044		1052		1059		1107		1114		1122		
Romford		1010		1017		1025		1032		1040		1047		1055		1102		1110		1117		1125		
Chadwell Heath		1013		1020		1028		1035		1043		1050		1058		1105		1113		1120		1128		
Goodmayes		1015		1022		1030		1037		1045		1052		1100		1107		1115		1122		1130		
Seven Kings		1017		1024		1032		1039		1047		1054		1102		1109		1117		1124		1132		
Ilford		1021		1028		1036		1043		1051		1058		1106		1113		1121		1128		1136		
Manor Park		1023		1030		1038		1045		1053		1100		1108		1115		1123		1130		1138		
Forest Gate		1026		1033		1041		1048		1056		1103		1111		1118		1126		1133		1141		
Maryland		1028		1035		1043		1050		1058		1105		1113		1120		1128		1135		1143		
Stratford		1031		1038		1046		1053		1101		1108		1116		1123		1131		1138		1146		
Abbey Wood	1017		1024		1032		1039		1047		1054		1102		1109		1117		1124		1132		1139	
Woolwich	1020		1027		1035		1042		1050		1057		1105		1112		1120		1127		1135		1142	
Custom House	1024		1031		1039		1046		1054		1101		1109		1116		1124		1131		1139		1146	
Canary Wharf	1028		1035		1043		1050		1058		1105		1113		1120		1128		1135		1143		1150	
Whitechapel	1032	1036	1039	1043	1047	1051	1054	1058	1102	1106	1109	1113	1117	1121	1124	1128	1132	1136	1139	1143	1147	1151	1154	
Liverpool St  Plts A & B	1035	1039	1042	1046	1050	1054	1057	1101	1105	1109	1112	1116	1120	1124	1127	1131	1135	1139	1142	1146	1150	1154	1157	
Liverpool St  Plts 15–17																								
Farringdon	1038	1042	1045	1049	1053	1057	1100	1104	1108	1112	1115	1119	1123	1127	1130	1134	1138	1142	1145	1149	1153	1157	1200	
Tottenham Court Road	1041	1045	1048	1052	1056	1100	1103	1107	1111	1115	1118	1122	1126	1130	1133	1137	1141	1145	1148	1152	1156	1200	1203	
Bond Street	1043	1047	1050	1054	1058	1102	1105	1109	1113	1117	1120	1124	1128	1132	1135	1139	1143	1147	1150	1154	1158	1202	1205	
Paddington  Plts 11 & 12																								
Paddington  Plts A & B	1047	1050	1054	1057	1102	1106	1109	1112	1117	1120	1124	1127	1132	1136	1139	1142	1147	1150	1154	1157	1202	1206	1209	
Acton Main Line			1100				1115				1130				1145				1200				1215	
Ealing Broadway	1056		1103		1111	1114	1118		1126		1133		1141	1144	1148		1156		1203		1211	1214	1218	
West Ealing			1106			1116	1121				1136			1146	1151				1206			1216	1221	
Hanwell			1108				1123				1138				1153				1208				1223	
Southall	1102		1111		1117		1126		1132		1141		1145		1156		1202		1211		1217		1226	
Hayes & Harlington	1105		1114		1120	1123	1129		1135		1144		1149	1152	1159		1205		1214		1220	1223	1229	
Heathrow Terminals 2 & 3			1122			1131	1137				1152			1200	1207				1222			1231	1237	
Heathrow Terminal 4			1127				1142				1157				1212				1227				1242	
Heathrow Terminal 5						1135								1205								1235		
West Drayton	1109				1126				1139				1152				1209				1224			
Iver					1128								1155								1226			
Langley	1113				1131				1143				1157				1213				1229			
Slough	1117				1135				1147				1201				1217				1233			
Burnham	1120				1138				1150				1205				1220				1236			
Taplow	1123								1153								1223							
Maidenhead	1126				1144				1156			1212					1226				1242			
Twyford	1133								1203								1233							
Reading	1140								1210								1240							

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Shenfield	1118		1126		1133		1141		1148		1156		1203		1211		1218		1226		1233		1241
Brentwood	1122		1130		1137		1145		1152		1200		1207		1215		1222		1230		1237		1245
Harold Wood	1126		1134		1141		1149		1156		1204		1211		1219		1226		1234		1241		1249
Gidea Park	1129		1137		1144		1152		1159		1207		1214		1222		1229		1237		1244		1252
Romford	1132		1140		1147		1155		1202		1210		1217		1225		1232		1240		1247		1255
Chadwell Heath	1135		1143		1150		1158		1205		1213		1220		1228		1235		1243		1250		1258
Goodmayes	1137		1145		1152		1200		1207		1215		1222		1230		1237		1245		1252		1300
Seven Kings	1139		1147		1154		1202		1209		1217		1224		1232		1239		1247		1254		1302
Ilford	1143		1151		1158		1206		1213		1221		1228		1236		1243		1251		1258		1306
Manor Park	1145		1153		1200		1208		1215		1223		1230		1238		1245		1253		1300		1308
Forest Gate	1148		1156		1203		1211		1218		1226		1233		1241		1248		1256		1303		1311
Maryland	1150		1158		1205		1213		1220		1228		1235		1243		1250		1258		1305		1313
Stratford	1153		1201		1208		1216		1223		1231		1238		1246		1253		1301		1308		1316
Abbey Wood		1147		1154		1202		1209		1217		1224		1232		1239		1247		1254		1302	
Woolwich		1150		1157		1205		1212		1220		1227		1235		1242		1250		1257		1305	
Custom House		1154		1201		1209		1216		1224		1231		1239		1246		1254		1301		1309	
Canary Wharf		1158		1205		1213		1220		1228		1235		1243		1250		1258		1305		1313	
Whitechapel	1158	1202	1206	1209	1213	1217	1221	1224	1228	1232	1236	1239	1243	1247	1251	1254	1258	1302	1306	1309	1313	1317	1321
Liverpool St  Plts A & B	1201	1205	1209	1212	1216	1220	1224	1227	1231	1235	1239	1242	1246	1250	1254	1257	1301	1305	1309	1312	1316	1320	1324
Liverpool St  Plts 15–17																							
Farringdon	1204	1208	1212	1215	1219	1223	1227	1230	1234	1238	1242	1245	1249	1253	1257	1300	1304	1308	1312	1315	1319	1323	1327
Tottenham Court Road	1207	1211	1215	1218	1222	1226	1230	1233	1237	1241	1245	1248	1252	1256	1300	1303	1307	1311	1315	1318	1322	1326	1330
Bond Street	1209	1213	1217	1220	1224	1228	1232	1235	1239	1243	1247	1250	1254	1258	1302	1305	1309	1313	1317	1320	1324	1328	1332
Paddington  Plts 11 & 12																							
Paddington  Plts A & B	1212	1217	1220	1224	1227	1232	1236	1239	1242	1247	1250	1254	1257	1302	1306	1309	1312	1317	1320	1324	1327	1332	1336
Acton Main Line				1230				1245				1300				1315				1330			
Ealing Broadway		1227		1233		1241	1244	1248		1256		1303		1311	1314	1318		1326		1333		1341	1344
West Ealing				1236			1246	1251				1306			1316	1321				1336			1346
Hanwell				1238				1253				1308				1323				1338			
Southall		1234		1241		1247		1256		1302		1311		1315		1326		1333		1341		1347	
Hayes & Harlington		1237		1244		1250	1253	1259		1306		1314		1319	1322	1329		1336		1344		1350	1353
Heathrow Terminals 2 & 3				1252			1301	1307				1322			1330	1337				1352			1401
Heathrow Terminal 4				1257				1312				1327				1342				1357			
Heathrow Terminal 5							1305								1335								1405
West Drayton		1241				1254				1309				1322				1340					1354
Iver						1256								1325									1356
Langley		1245				1259				1313				1327				1344					1359
Slough		1249				1303				1318				1333				1348					1403
Burnham		1252				1306				1322				1336				1351					1406
Taplow		1255								1324								1354					
M Maidenhead		1258				1312				1328				1342				1357					1412
Twyford		1305								1336								1404					
Reading		1312								1343								1411					

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Shenfield		1248		1256		1303		1311		1318		1326		1333		1341		1348		1356		1403		
Brentwood		1252		1300		1307		1315		1322		1330		1337		1345		1352		1400		1407		
Harold Wood		1256		1304		1311		1319		1326		1334		1341		1349		1356		1404		1411		
Gidea Park		1259		1307		1314		1322		1329		1337		1344		1352		1359		1407		1414		
Romford		1302		1310		1317		1325		1332		1340		1347		1355		1402		1410		1417		
Chadwell Heath		1305		1313		1320		1328		1335		1343		1350		1358		1405		1413		1420		
Goodmayes		1307		1315		1322		1330		1337		1345		1352		1400		1407		1415		1422		
Seven Kings		1309		1317		1324		1332		1339		1347		1354		1402		1409		1417		1424		
Ilford		1313		1321		1328		1336		1343		1351		1358		1406		1413		1421		1428		
Manor Park		1315		1323		1330		1338		1345		1353		1400		1408		1415		1423		1430		
Forest Gate		1318		1326		1333		1341		1348		1356		1403		1411		1418		1426		1433		
Maryland		1320		1328		1335		1343		1350		1358		1405		1413		1420		1428		1435		
Stratford		1323		1331		1338		1346		1353		1401		1408		1416		1423		1431		1438		
Abbey Wood	1309		1317		1324		1332		1339		1347		1354		1402		1409		1417		1424		1432	
Woolwich	1312		1320		1327		1335		1342		1350		1357		1405		1412		1420		1427		1435	
Custom House	1316		1324		1331		1339		1346		1354		1401		1409		1416		1424		1431		1439	
Canary Wharf	1320		1328		1335		1343		1350		1358		1405		1413		1420		1428		1435		1443	
Whitechapel	1324	1328	1332	1336	1339	1343	1347	1351	1354	1358	1402	1406	1409	1413	1417	1421	1424	1428	1432	1436	1439	1443	1447	
Liverpool St  Plts A & B	1327	1331	1335	1339	1342	1346	1350	1354	1357	1401	1405	1409	1412	1416	1420	1424	1427	1431	1435	1439	1442	1446	1450	
Liverpool St  Plts 15–17																								
Farringdon	1330	1334	1338	1342	1345	1349	1353	1357	1400	1404	1408	1412	1415	1419	1423	1427	1430	1434	1438	1442	1445	1449	1453	
Tottenham Court Road	1333	1337	1341	1345	1348	1352	1356	1400	1403	1407	1411	1415	1418	1422	1426	1430	1433	1437	1441	1445	1448	1452	1456	
Bond Street	1335	1339	1343	1347	1350	1354	1358	1402	1405	1409	1413	1417	1420	1424	1428	1432	1435	1439	1443	1447	1450	1454	1458	
Paddington  Plts 11 & 12																								
Paddington  Plts A & B	1339	1342	1347	1350	1354	1357	1402	1406	1409	1412	1417	1420	1424	1427	1432	1436	1439	1442	1447	1450	1454	1457	1502	
Acton Main Line	1345				1400				1415				1430				1445				1500			
Ealing Broadway	1348		1356		1404		1411	1414	1418		1426		1434		1441	1444	1448		1456		1504		1511	
West Ealing	1351				1406			1416	1421				1436			1446	1451				1507			
Hanwell	1353				1408				1423				1438				1453				1509			
Southall	1356		1402		1411		1416		1426		1432		1441		1445		1456		1502		1512		1515	
Hayes & Harlington	1359		1405		1415		1420	1423	1429		1435		1445		1449	1452	1459		1505		1515		1519	
Heathrow Terminals 2 & 3	1407				1422			1430	1437				1452			1500	1507				1523			
Heathrow Terminal 4	1412				1427				1442				1457				1512				1527			
Heathrow Terminal 5							1435								1505									
West Drayton			1409				1423			1439					1452				1511				1522	
Iver							1426								1455								1525	
Langley			1413				1428					1443			1457				1515				1527	
Slough			1417				1432					1447			1501				1519				1532	
Burnham			1420				1436					1450			1505				1522				1535	
Taplow			1423									1453							1525					
Maidenhead			1426			1442						1456		1512					1528				1542	
Twyford			1433									1503							1535					
Reading			1440									1510							1542					

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Shenfield	1411		1418		1426		1433		1441		1448		1456		1503		1511		1518		1526		1532
Brentwood	1415		1422		1430		1437		1445		1452		1500		1507		1515		1522		1530		1536
Harold Wood	1419		1426		1434		1441		1449		1456		1504		1511		1519		1526		1534		1540
Gidea Park	1422		1429		1437		1444		1452		1459		1507		1514		1522		1529		1537		1543
Romford	1425		1432		1440		1447		1455		1502		1510		1517		1525		1532		1540		1546
Chadwell Heath	1428		1435		1443		1450		1458		1505		1513		1520		1528		1535		1543		1549
Goodmayes	1430		1437		1445		1452		1500		1507		1515		1522		1530		1537		1545		1551
Seven Kings	1432		1439		1447		1454		1502		1509		1517		1524		1532		1539		1547		1553
Ilford	1436		1443		1451		1458		1506		1513		1521		1528		1536		1543		1551		1557
Manor Park	1438		1445		1453		1500		1508		1515		1523		1530		1538		1545		1553		1559
Forest Gate	1441		1448		1456		1503		1511		1518		1526		1533		1541		1548		1556		1602
Maryland	1443		1450		1458		1505		1513		1520		1528		1535		1543		1550		1558		1604
Stratford	1446		1453		1501		1508		1516		1523		1531		1538		1546		1553		1601		1607
Abbey Wood		1439		1447		1454		1502		1509		1517		1524		1532		1539		1547		1554	
Woolwich		1442		1450		1457		1505		1512		1520		1527		1535		1542		1550		1557	
Custom House		1446		1454		1501		1509		1516		1524		1531		1539		1546		1554		1601	
Canary Wharf		1450		1458		1505		1513		1520		1528		1535		1543		1550		1558		1605	
Whitechapel	1451	1454	1458	1502	1506	1509	1513	1517	1521	1524	1528	1532	1536	1539	1543	1547	1551	1554	1558	1602	1606	1609	1612
Liverpool St  Plts A & B	1454	1457	1501	1505	1509	1512	1516	1520	1524	1527	1531	1535	1539	1542	1546	1550	1554	1557	1601	1605	1609	1612	1615
Liverpool St  Plts 15–17																							
Farringdon	1457	1500	1504	1508	1512	1515	1519	1523	1527	1530	1534	1538	1542	1545	1549	1553	1557	1600	1604	1608	1612	1615	1618
Tottenham Court Road	1500	1503	1507	1511	1515	1518	1522	1526	1530	1533	1537	1541	1545	1548	1552	1556	1600	1603	1607	1611	1615	1618	1621
Bond Street	1502	1505	1509	1513	1517	1520	1524	1528	1532	1535	1539	1543	1547	1550	1554	1558	1602	1605	1609	1613	1617	1620	1623
Paddington  Plts 11 & 12																							
Paddington  Plts A & B	1506	1509	1512	1517	1520	1524	1527	1532	1536	1539	1542	1547	1550	1554	1557	1602	1606	1609	1612	1617	1620	1624	1626
Acton Main Line		1515				1530				1545				1600				1615				1630	
Ealing Broadway	1514	1518		1526		1533		1541	1544	1548		1556		1603		1611	1614	1618		1626		1633	
West Ealing	1516	1521				1536			1546	1551				1606			1616	1621				1636	
Hanwell		1523				1538				1553				1608				1623				1638	
Southall		1526		1532		1541		1545		1556		1602		1611		1617		1626		1632		1641	
Hayes & Harlington	1522	1529		1535		1544		1549	1552	1559		1606		1614		1620	1623	1629		1635		1644	
Heathrow Terminals 2 & 3	1530	1537				1552			1600	1607				1622			1631	1637				1652	
Heathrow Terminal 4		1542				1557				1612				1627				1642				1657	
Heathrow Terminal 5	1535								1605								1635						
West Drayton				1541				1552				1609				1625				1639			
Iver								1555				1612				1627				1641			
Langley				1545				1557				1614				1630				1644			
Slough				1549				1602				1618				1634				1648			
Burnham				1552				1605				1622				1637				1651			
Taplow				1555				1608				1624				1640				1654			
Maidenhead				1558				1611				1628				1643				1657			
Twyford				1605				1618				1634				1650				1704			
Reading				1612				1625				1642				1657				1711			

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Shenfield		1538		1544		1550		1556		1602		1608		1613		1618		1623		1628		1633		1638
Brentwood		1542		1548		1554		1600		1606		1612		1617		1622		1627		1632		1637		1642
Harold Wood		1546		1552		1558		1604		1610		1616		1621		1626		1631		1636		1641		1646
Gidea Park		1549		1555		1601		1607		1613		1619		1624		1629		1634		1639		1644		1649
Romford		1552		1558		1604		1610		1616		1622		1627		1632		1637		1642		1647		1652
Chadwell Heath		1555		1601		1607		1613		1619		1625		1630		1635		1640		1645		1650		1655
Goodmayes		1557		1603		1609		1615		1621		1627		1632		1637		1642		1647		1652		1657
Seven Kings		1559		1605		1611		1617		1623		1629		1634		1639		1644		1649		1654		1659
Ilford		1603		1609		1615		1621		1627		1633		1638		1643		1648		1653		1658		1703
Manor Park		1605		1611		1617		1623		1629		1635		1640		1645		1650		1655		1700		1705
Forest Gate		1608		1614		1620		1626		1632		1638		1643		1648		1653		1658		1703		1708
Maryland		1610		1616		1622		1628		1634		1640		1645		1650		1655		1700		1705		1710
Stratford		1613		1619		1625		1631		1637		1643		1648		1653		1658		1703		1708		1713
Abbey Wood	1600		1606		1612		1618		1624		1630		1636		1641		1646		1651		1656		1701	
Woolwich	1603		1609		1615		1621		1627		1633		1639		1644		1649		1654		1659		1704	
Custom House	1607		1613		1619		1625		1631		1637		1643		1648		1653		1658		1703		1708	
Canary Wharf	1611		1617		1623		1629		1635		1641		1647		1652		1657		1702		1707		1712	
Whitechapel	1615	1618	1621	1624	1627	1630	1633	1636	1639	1642	1645	1648	1651	1653	1656	1658	1701	1703	1706	1708	1711	1713	1716	1718
Liverpool St  Plts A & B	1618	1621	1624	1627	1630	1633	1636	1639	1642	1645	1648	1651	1654	1656	1659	1701	1704	1706	1709	1711	1714	1716	1719	1721
Liverpool St  Plts 15–17																								
Farringdon	1621	1624	1627	1630	1633	1636	1639	1642	1645	1648	1651	1654	1656	1659	1701	1704	1706	1709	1711	1714	1716	1719	1721	1724
Tottenham Court Road	1624	1627	1630	1633	1636	1639	1642	1645	1648	1651	1654	1657	1659	1702	1704	1707	1709	1712	1714	1717	1719	1722	1724	1727
Bond Street	1626	1629	1632	1635	1638	1641	1644	1647	1650	1653	1656	1659	1701	1704	1706	1709	1711	1714	1716	1719	1721	1724	1726	1729
Paddington  Plts 11 & 12																								
Paddington  Plts A & B	1630	1633	1636	1638	1642	1644	1648	1650	1654	1656	1700	1703	1705	1707	1710	1712	1715	1717	1720	1722	1725	1727	1730	1733
Acton Main Line			1645						1700				1715								1732			
Ealing Broadway	1641	1644	1648		1653		1656		1703		1708	1714	1718			1723		1728		1735		1738	1744	
West Ealing		1646	1651						1706			1716	1721							1737			1746	
Hanwell			1653						1708				1723							1739				
Southall	1647		1656				1701		1711		1714		1726				1733			1742		1745		
Hayes & Harlington	1650	1653	1659				1705		1714		1718	1722	1729				1736			1746		1749	1752	
Heathrow Terminals 2 & 3		1701	1707						1722			1730	1737							1753			1801	
Heathrow Terminal 4			1712						1727				1742							1758				
Heathrow Terminal 5		1705										1735											1805	
West Drayton	1654				1705			1709			1721					1735		1740				1752		
Iver	1656						1711				1724							1742				1755		
Langley	1659						1714				1726							1745				1757		
Slough	1703				1711		1718				1730					1741		1749				1801		
Burnham	1706				1715		1721				1734					1745		1752				1805		
Taplow	1709						1724				1736							1755				1807		
Maidenhead	1713				1720		1727				1742						1750		1758			1811		
Twyford					1726		1734										1756		1805					
Reading					1734		1741										1804		1812					

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Shenfield		1643		1648		1653		1658		1703		1708		1713		1718		1723		1728		1733		1738
Brentwood		1647		1652		1657		1702		1707		1712		1717		1722		1727		1732		1737		1742
Harold Wood		1651		1656		1701		1706		1711		1716		1721		1726		1731		1736		1741		1746
Gidea Park		1654		1659		1704		1709		1714		1719		1724		1729		1734		1739		1744		1749
Romford		1657		1702		1707		1712		1717		1722		1727		1732		1737		1742		1747		1752
Chadwell Heath		1700		1705		1710		1715		1720		1725		1730		1735		1740		1745		1750		1755
Goodmayes		1702		1707		1712		1717		1722		1727		1732		1737		1742		1747		1752		1757
Seven Kings		1704		1709		1714		1719		1724		1729		1734		1739		1744		1749		1754		1759
Ilford		1708		1713		1718		1723		1728		1733		1738		1743		1748		1753		1758		1803
Manor Park		1710		1715		1720		1725		1730		1735		1740		1745		1750		1755		1800		1805
Forest Gate		1713		1718		1723		1728		1733		1738		1743		1748		1753		1758		1803		1808
Maryland		1715		1720		1725		1730		1735		1740		1745		1750		1755		1800		1805		1810
Stratford		1718		1723		1728		1733		1738		1743		1748		1753		1758		1803		1808		1813
Abbey Wood	1706		1711		1716		1721		1726		1731		1736		1741		1746		1751		1756		1801	
Woolwich	1709		1714		1719		1724		1729		1734		1739		1744		1749		1754		1759		1804	
Custom House	1713		1718		1723		1728		1733		1738		1743		1748		1753		1758		1803		1808	
Canary Wharf	1717		1722		1727		1732		1737		1742		1747		1752		1757		1802		1807		1812	
Whitechapel	1721	1723	1726	1728	1731	1733	1736	1738	1741	1743	1746	1748	1751	1753	1756	1758	1801	1803	1806	1808	1811	1813	1816	1818
Liverpool St  Plts A & B	1724	1726	1729	1731	1734	1736	1739	1741	1744	1746	1749	1751	1754	1756	1759	1801	1804	1806	1809	1811	1814	1816	1819	1821
Liverpool St  Plts 15–17																								
Farringdon	1726	1729	1731	1734	1736	1739	1741	1744	1746	1749	1751	1754	1756	1759	1801	1804	1806	1809	1811	1814	1816	1819	1821	1824
Tottenham Court Road	1729	1732	1734	1737	1739	1742	1744	1747	1749	1752	1754	1757	1759	1802	1804	1807	1809	1812	1814	1817	1819	1822	1824	1827
Bond Street	1731	1734	1736	1739	1741	1744	1746	1749	1751	1754	1756	1759	1801	1804	1806	1809	1811	1814	1816	1819	1821	1824	1826	1829
Paddington  Plts 11 & 12																								
Paddington  Plts A & B	1735	1737	1740	1742	1745	1747	1750	1752	1755	1757	1800	1803	1805	1807	1810	1812	1815	1817	1820	1822	1825	1827	1830	1833
Acton Main Line	1745								1802				1815								1832			
Ealing Broadway	1748				1753		1758		1805		1808	1814	1818			1823		1828		1835		1838	1844	
West Ealing	1751								1807			1816	1821							1837			1846	
Hanwell	1753								1809				1823							1839				
Southall	1756						1803		1812		1815		1826				1833			1842		1845		
Hayes & Harlington	1759						1806		1816		1819	1822	1829				1836			1846		1849	1852	
Heathrow Terminals 2 & 3	1807								1823			1831	1837							1853			1901	
Heathrow Terminal 4	1812								1829				1842							1859				
Heathrow Terminal 5												1835											1905	
West Drayton				1805		1810					1824					1835		1840				1853		
Iver						1812					1826							1842				1855		
Langley						1815					1829							1845				1858		
Slough				1811		1819					1833					1841		1849				1902		
Burnham				1815		1822					1836					1845		1852				1906		
Taplow						1825					1839							1855				1908		
Maidenhead				1820		1828					1843					1850		1858				1912		
Twyford				1826		1835										1856		1905						
Reading				1834		1842										1904		1914						

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Shenfield		1744		1750		1756		1802		1806		1814		1820		1826		1832		1836		1844		1850
Brentwood		1748		1754		1800		1806		1810		1818		1824		1830		1836		1840		1848		1854
Harold Wood		1752		1758		1804		1810		1814		1822		1828		1834		1840		1844		1852		1858
Gidea Park		1755		1801		1807		1813		1819		1825		1831		1837		1843		1849		1855		1901
Romford		1758		1804		1810		1816		1822		1828		1834		1840		1846		1852		1858		1904
Chadwell Heath		1801		1807		1813		1819		1825		1831		1837		1843		1849		1855		1901		1907
Goodmayes		1803		1809		1815		1821		1827		1833		1839		1845		1851		1857		1903		1909
Seven Kings		1805		1811		1817		1823		1829		1835		1841		1847		1853		1859		1905		1911
Ilford		1809		1815		1821		1827		1833		1839		1845		1851		1857		1903		1909		1915
Manor Park		1811		1817		1823		1829		1835		1841		1847		1853		1859		1905		1911		1917
Forest Gate		1814		1820		1826		1832		1838		1844		1850		1856		1902		1908		1914		1920
Maryland		1816		1822		1828		1834		1840		1846		1852		1858		1904		1910		1916		1922
Stratford		1819		1825		1831		1837		1843		1849		1855		1901		1907		1913		1919		1925
Abbey Wood	1806		1812		1817		1822		1827		1836		1842		1848		1854		1900		1906		1912	
Woolwich	1809		1815		1820		1825		1831		1839		1845		1851		1857		1903		1909		1915	
Custom House	1813		1819		1824		1829		1835		1843		1849		1855		1901		1907		1913		1919	
Canary Wharf	1817		1823		1829		1835		1841		1847		1853		1859		1905		1911		1917		1923	
Whitechapel	1821	1824	1827	1830	1833	1836	1839	1842	1845	1848	1851	1854	1857	1900	1903	1906	1909	1912	1915	1918	1921	1924	1927	1930
Liverpool St  Plts A & B	1824	1827	1830	1833	1836	1839	1842	1845	1848	1851	1854	1857	1900	1903	1906	1909	1912	1915	1918	1921	1924	1927	1930	1933
Liverpool St  Plts 15–17																								
Farringdon	1827	1830	1833	1836	1839	1842	1845	1848	1851	1854	1857	1900	1903	1906	1909	1912	1915	1918	1921	1924	1927	1930	1933	1936
Tottenham Court Road	1830	1833	1836	1839	1842	1845	1848	1851	1854	1857	1900	1903	1906	1909	1912	1915	1918	1921	1924	1927	1930	1933	1936	1939
Bond Street	1832	1835	1838	1841	1844	1847	1850	1853	1856	1859	1902	1905	1908	1911	1914	1917	1920	1923	1926	1929	1932	1935	1938	1941
Paddington  Plts 11 & 12																								
Paddington  Plts A & B	1836	1838	1842	1844	1848	1850	1854	1856	1900	1903	1906	1908	1911	1914	1918	1920	1924	1926	1930	1933	1936	1938	1941	1944
Acton Main Line	1845						1900				1915						1930				1945			
Ealing Broadway	1848		1853		1856		1903		1909	1914	1918				1926		1933		1941	1944	1948			
West Ealing	1851						1906			1916	1921						1936			1946	1951			
Hanwell	1853						1908				1923						1938				1953			
Southall	1856				1901		1911		1915		1926			1930		1941		1945			1956			
Hayes & Harlington	1859				1905		1914		1919	1922	1929			1934		1945		1949	1952	1959				
Heathrow Terminals 2 & 3	1907						1922			1930	1937					1952			2000	2007				
Heathrow Terminal 4	1912						1927				1942					1957				2012				
Heathrow Terminal 5										1935									2005					
West Drayton			1905		1909				1922						1937				1952					
Iver					1911				1925						1940				1955					
Langley					1914				1927						1942				1957					
Slough			1911		1918				1931						1946				2001					
Burnham			1915		1921				1935						1950				2005					
Taplow					1924				1938						1952									
Maidenhead			1920		1927				1943						1956			2012						
Twyford			1926		1934										2002									
Reading			1934		1941										2011									

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Shenfield		1856		1903		1909		1918		1926		1933		1941		1948		1956		2003		2011		2018
Brentwood		1900		1907		1913		1922		1930		1937		1945		1952		2000		2007		2015		2022
Harold Wood		1904		1911		1917		1926		1934		1941		1949		1956		2004		2011		2019		2026
Gidea Park		1907		1914		1922		1929		1937		1944		1952		1959		2007		2014		2022		2029
Romford		1910		1917		1925		1932		1940		1947		1955		2002		2010		2017		2025		2032
Chadwell Heath		1913		1920		1928		1935		1943		1950		1958		2005		2013		2020		2028		2035
Goodmayes		1915		1922		1930		1937		1945		1952		2000		2007		2015		2022		2030		2037
Seven Kings		1917		1924		1932		1939		1947		1954		2002		2009		2017		2024		2032		2039
Ilford		1921		1928		1936		1943		1951		1958		2006		2013		2021		2028		2036		2043
Manor Park		1923		1930		1938		1945		1953		2000		2008		2015		2023		2030		2038		2045
Forest Gate		1926		1933		1941		1948		1956		2003		2011		2018		2026		2033		2041		2048
Maryland		1928		1935		1943		1950		1958		2005		2013		2020		2028		2035		2043		2050
Stratford		1931		1938		1946		1953		2001		2008		2016		2023		2031		2038		2046		2053
Abbey Wood	1918		1924		1930		1939		1947		1954		2002		2009		2017		2024		2032		2039	
Woolwich	1921		1927		1933		1942		1950		1957		2005		2012		2020		2027		2035		2042	
Custom House	1925		1931		1937		1946		1954		2001		2009		2016		2024		2031		2039		2046	
Canary Wharf	1929		1935		1943		1950		1958		2005		2013		2020		2028		2035		2043		2050	
Whitechapel	1933	1936	1939	1943	1947	1951	1954	1958	2002	2006	2009	2013	2017	2021	2024	2028	2032	2036	2039	2043	2047	2051	2054	2058
Liverpool St  Plts A & B	1936	1939	1942	1946	1950	1954	1957	2001	2005	2009	2012	2016	2020	2024	2027	2031	2035	2039	2042	2046	2050	2054	2057	2101
Liverpool St  Plts 15–17																								
Farringdon	1939	1942	1945	1949	1953	1957	2000	2004	2008	2012	2015	2019	2023	2027	2030	2034	2038	2042	2045	2049	2053	2057	2100	2104
Tottenham Court Road	1942	1945	1948	1952	1956	2000	2003	2007	2011	2015	2018	2022	2026	2030	2033	2037	2041	2045	2048	2052	2056	2100	2103	2107
Bond Street	1944	1947	1950	1954	1958	2002	2005	2009	2013	2017	2020	2024	2028	2032	2035	2039	2043	2047	2050	2054	2058	2102	2105	2109
Paddington  Plts 11 & 12																								
Paddington  Plts A & B	1948	1950	1954	1957	2002	2006	2009	2012	2017	2020	2024	2027	2032	2036	2039	2042	2047	2050	2054	2057	2102	2106	2109	2112
Acton Main Line			2000				2015				2030				2045				2100				2115	
Ealing Broadway	1956		2003		2011	2014	2018		2026		2033		2041	2044	2048		2056		2103		2111	2114	2118	
West Ealing			2006			2016	2021				2036			2046	2051				2106			2116	2121	
Hanwell			2008				2023				2038				2053				2108				2123	
Southall	2002		2011		2017		2026		2032		2041		2045		2056		2102		2111		2117		2126	
Hayes & Harlington	2006		2014		2020	2023	2029		2035		2044		2049	2052	2059		2106		2114		2120	2123	2129	
Heathrow Terminals 2 & 3			2022			2031	2037				2052			2100	2107			2122				2131	2137	
Heathrow Terminal 4			2027				2042				2057				2112			2127					2142	
Heathrow Terminal 5						2035								2105								2135		
West Drayton	2009				2024				2039				2052				2109					2124		
Iver					2026								2055									2126		
Langley	2013				2029				2043				2057					2113				2129		
Slough	2017				2033				2047				2101					2117				2135		
Burnham	2021				2036				2050				2105					2121				2138		
Taplow	2023								2053									2123						
Maidenhead	2027				2042				2056			2112						2127				2144		
Twyford	2033								2103									2133						
Reading	2041								2110									2141						

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Shenfield		2026		2033		2041		2048		2056		2103		2111		2118		2126		2133		2141		2148
Brentwood		2030		2037		2045		2052		2100		2107		2115		2122		2130		2137		2145		2152
Harold Wood		2034		2041		2049		2056		2104		2111		2119		2126		2134		2141		2149		2156
Gidea Park		2037		2044		2052		2059		2107		2114		2122		2129		2137		2144		2152		2159
Romford		2040		2047		2055		2102		2110		2117		2125		2132		2140		2147		2155		2202
Chadwell Heath		2043		2050		2058		2105		2113		2120		2128		2135		2143		2150		2158		2205
Goodmayes		2045		2052		2100		2107		2115		2122		2130		2137		2145		2152		2200		2207
Seven Kings		2047		2054		2102		2109		2117		2124		2132		2139		2147		2154		2202		2209
Ilford		2051		2058		2106		2113		2121		2128		2136		2143		2151		2158		2206		2213
Manor Park		2053		2100		2108		2115		2123		2130		2138		2145		2153		2200		2208		2215
Forest Gate		2056		2103		2111		2118		2126		2133		2141		2148		2156		2203		2211		2218
Maryland		2058		2105		2113		2120		2128		2135		2143		2150		2158		2205		2213		2220
Stratford		2101		2108		2116		2123		2131		2138		2146		2153		2201		2208		2216		2223
Abbey Wood	2047		2054		2102		2109		2117		2124		2132		2139		2147		2154		2202		2209	
Woolwich	2050		2057		2105		2112		2120		2127		2135		2142		2150		2157		2205		2212	
Custom House	2054		2101		2109		2116		2124		2131		2139		2146		2154		2201		2209		2216	
Canary Wharf	2058		2105		2113		2120		2128		2135		2143		2150		2158		2205		2213		2220	
Whitechapel	2102	2106	2109	2113	2117	2121	2124	2128	2132	2136	2139	2143	2147	2151	2154	2158	2202	2206	2209	2213	2217	2221	2224	2228
Liverpool St  Plts A & B	2105	2109	2112	2116	2120	2124	2127	2131	2135	2139	2142	2146	2150	2154	2157	2201	2205	2209	2212	2216	2220	2224	2227	2231
Liverpool St  Plts 15–17																								
Farringdon	2108	2112	2115	2119	2123	2127	2130	2134	2138	2142	2145	2149	2153	2157	2200	2204	2208	2212	2215	2219	2223	2227	2230	2234
Tottenham Court Road	2111	2115	2118	2122	2126	2130	2133	2137	2141	2145	2148	2152	2156	2200	2203	2207	2211	2215	2218	2222	2226	2230	2233	2237
Bond Street	2113	2117	2120	2124	2128	2132	2135	2139	2143	2147	2150	2154	2158	2202	2205	2209	2213	2217	2220	2224	2228	2232	2235	2239
Paddington  Plts 11 & 12																								
Paddington  Plts A & B	2117	2120	2124	2127	2132	2136	2139	2142	2147	2150	2154	2157	2202	2206	2209	2212	2217	2220	2224	2227	2232	2235	2239	2242
Acton Main Line			2130				2145				2200				2215				2230				2245	
Ealing Broadway	2126		2133		2141	2144	2148		2156		2203		2211	2214	2218		2226		2233		2241		2248	
West Ealing			2136			2146	2151				2206			2216	2221				2236				2251	
Hanwell			2138				2153				2208				2223				2238				2253	
Southall	2131		2141		2145		2156		2202		2211		2215		2226		2232		2241		2245		2256	
Hayes & Harlington	2135		2144		2149	2152	2159		2205		2214		2219	2222	2229		2235		2244		2249		2259	
Heathrow Terminals 2 & 3			2152			2200	2207				2222			2230	2237				2252				2307	
Heathrow Terminal 4			2157				2212				2227				2242				2257					
Heathrow Terminal 5						2205								2235									2312	
West Drayton	2139				2152				2209				2222				2239				2252			
Iver					2155								2225								2255			
Langley	2143				2157				2213				2227				2243				2257			
Slough	2147				2201				2217				2231				2247				2301			
Burnham	2150				2205				2220				2235				2250				2305			
Taplow	2153								2223								2253							
Maidenhead	2156				2212				2226			2240					2256				2310			
Twyford	2203								2233								2303							
Reading	2210								2240								2310							

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Shenfield		2156		2203		2211		2218		2226			2236		2246		2256		2311		2326		2341	2356
Brentwood		2200		2207		2215		2222		2230			2240		2250		2300		2315		2330		2345	2359
Harold Wood		2204		2211		2219		2226		2234			2244		2254		2304		2319		2334		2349	0004
Gidea Park		2207		2214		2222		2229		2237			2247		2257		2307		2322		2337		2352	0007
Romford		2210		2217		2225		2232		2240			2250		2300		2310		2325		2340		2355	0010
Chadwell Heath		2213		2220		2228		2235		2243			2253		2303		2313		2328		2343		2358	0013
Goodmayes		2215		2222		2230		2237		2245			2255		2305		2315		2330		2345		0001	0015
Seven Kings		2217		2224		2232		2239		2247			2257		2307		2317		2332		2347		0002	0017
Ilford		2221		2228		2236		2243		2251			2301		2311		2321		2336		2351		0006	0021
Manor Park		2223		2230		2238		2245		2253			2303		2313		2323		2338		2353		0008	0023
Forest Gate		2226		2233		2241		2248		2256			2306		2316		2326		2341		2356		0011	0026
Maryland		2228		2235		2243		2250		2258			2308		2318		2328		2343		2358		0013	0028
Stratford		2231		2238		2246		2253		2301			2311		2321		2331		2346		0001		0016	0031
Abbey Wood	2217		2224		2232		2239		2247		2254	2258		2306		2316		2328		2343		2358		
Woolwich	2220		2227		2235		2242		2250		2257	2301		2309		2319		2331		2346		0001		
Custom House	2224		2231		2239		2246		2254		2301	2305		2313		2323		2335		2350		0005		
Canary Wharf	2228		2235		2243		2250		2258		2305	2309		2317		2327		2339		2354		0009		
Whitechapel	2232	2236	2239	2243	2247	2251	2254	2258	2302	2306	2309	2313	2316	2321	2326	2331	2336	2343	2351	2358	0006	0013	0021	
Liverpool St  Plts A & B	2235	2239	2242	2246	2250	2254	2257	2301	2305	2309	2312	2316	2319	2324	2329	2334	2339	2346	2354	0001	0009	0016	0024	
Liverpool St  Plts 15–17																							0039	
Farringdon	2238	2242	2245	2249	2253	2257	2300	2304	2308	2312	2315	2319	2322	2327	2332	2337	2342	2349	2357	0004	0012	0019	0027	
Tottenham Court Road	2241	2245	2248	2252	2256	2300	2303	2307	2311	2315	2318	2322	2325	2330	2335	2340	2345	2352	2359	0007	0015	0022	0030	
Bond Street	2243	2247	2250	2254	2258	2302	2305	2309	2313	2317	2320	2324	2327	2332	2337	2342	2347	2354	0002	0009	0017	0024	0032	
Paddington  Plts 11 & 12																								
Paddington  Plts A & B	2247	2250	2254	2257	2301	2305	2309	2312	2318	2320	2324	2327	2330	2336	2340	2348	2350	2357	0005	0012	0020	0027	0035	
Acton Main Line			2300												2342									
Ealing Broadway	2256		2303												2345		2358							
West Ealing			2306												2348									
Hanwell			2308												2350									
Southall	2300		2311												2353		0003							
Hayes & Harlington	2304		2314												2356		0007							
Heathrow Terminals 2 & 3			2322																					
Heathrow Terminal 4			2327																					
Heathrow Terminal 5							2342																	
West Drayton	2307																							
Iver	2310																							
Langley	2312																							
Slough	2316																							
Burnham	2320																							
Taplow	2322																							
Maidenhead	2326																							
Twyford	2332																							
Reading	2340																							

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Saturdays

Shenfield							0444					0504				0524			0533		0541		0548
Brentwood							0448					0508				0528			0537		0545		0552
Harold Wood							0452					0512				0532			0541		0549		0556
Gidea Park							0455	0505				0515		0525		0535			0544		0552		0559
Romford							0458	0508				0518		0528		0538			0547		0555		0602
Chadwell Heath							0502	0511				0522		0531		0542			0550		0558		0605
Goodmayes							0504	0513				0524		0533		0544			0552		0600		0607
Seven Kings							0506	0515				0526		0535		0546			0554		0602		0609
Ilford							0509	0519				0529		0539		0549			0558		0606		0613
Manor Park							0512	0521				0532		0541		0552			0600		0608		0615
Forest Gate							0514	0524				0534		0544		0554			0603		0611		0618
Maryland							0516	0526				0536		0546		0556			0605		0613		0620
Stratford							0519	0528				0539		0549		0559			0608		0616		0623
Abbey Wood												0534		0544				0554		0602		0609	
Woolwich												0537		0547				0557		0605		0612	
Custom House												0541		0551				0601		0609		0616	
Canary Wharf												0545		0555				0605		0613		0620	
Whitechapel										0539	0544	0549	0554	0559	0604			0609	0613	0617	0621	0624	0628
Liverpool St  Plts A & B										0542	0547	0552	0557	0602	0607			0612	0616	0620	0624	0627	0631
Liverpool St  Plts 15–17							0527	0537															
Farringdon											0545	0550	0555	0600	0605	0610		0615	0619	0623	0627	0630	0634
Tottenham Court Road											0548	0553	0558	0603	0608	0613		0618	0622	0626	0630	0633	0637
Bond Street											0550	0555	0600	0605	0610	0615		0620	0624	0628	0632	0635	0639
Paddington  Plts 11 & 12	0437	0443	0458	0509	0518	0524			0539	0548							0618						
Paddington  Plts A & B											0554	0558	0603	0609	0613	0618		0624	0627	0631	0635	0639	0642
Acton Main Line				0515		0530					0545		0600		0615			0630				0645	
Ealing Broadway	0445	0451	0506	0518	0526	0533				0548	0556	0603			0618		0626	0633				0648	
West Ealing				0521		0536					0551		0606		0621			0636				0651	
Hanwell				0523		0538					0553		0608		0623			0638				0653	
Southall	0450	0456	0511	0526	0531	0541				0556	0601	0611			0626			0631	0641			0656	
Hayes & Harlington	0453	0459	0514	0529	0534	0544				0559	0604	0614			0629			0634	0644			0659	
Heathrow Terminals 2 & 3	0501	0507	0522	0537		0552				0607		0622			0637				0652			0707	
Heathrow Terminal 4		0512	0542							0612					0642							0712	
Heathrow Terminal 5	0505		0527			0557					0627							0657					
West Drayton					0538						0608							0638					
Iver					0540						0610							0640					
Langley					0543						0613							0643					
Slough					0547						0617							0647					
Burnham					0550						0620							0650					
Taplow					0553						0623							0653					
M Maidenhead					0556						0626							0656					
Twyford					0603						0633							0703					
Reading					0610						0640							0710					

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Saturdays

Shenfield		0556		0603		0611		0618		0626		0633		0641		0648		0656		0703		0711		
Brentwood		0600		0607		0615		0622		0630		0637		0645		0652		0700		0707		0715		
Harold Wood		0604		0611		0619		0626		0634		0641		0649		0656		0704		0711		0719		
Gidea Park		0607		0614		0622		0629		0637		0644		0652		0659		0707		0714		0722		
Romford		0610		0617		0625		0632		0640		0647		0655		0702		0710		0717		0725		
Chadwell Heath		0613		0620		0628		0635		0643		0650		0658		0705		0713		0720		0728		
Goodmayes		0615		0622		0630		0637		0645		0652		0700		0707		0715		0722		0730		
Seven Kings		0617		0624		0632		0639		0647		0654		0702		0709		0717		0724		0732		
Ilford		0621		0628		0636		0643		0651		0658		0706		0713		0721		0728		0736		
Manor Park		0623		0630		0638		0645		0653		0700		0708		0715		0723		0730		0738		
Forest Gate		0626		0633		0641		0648		0656		0703		0711		0718		0726		0733		0741		
Maryland		0628		0635		0643		0650		0658		0705		0713		0720		0728		0735		0743		
Stratford		0631		0638		0646		0653		0701		0708		0716		0723		0731		0738		0746		
Abbey Wood	0617		0624		0632		0639		0647		0654		0702		0709		0717		0724		0732		0739	
Woolwich	0620		0627		0635		0642		0650		0657		0705		0712		0720		0727		0735		0742	
Custom House	0624		0631		0639		0646		0654		0701		0709		0716		0724		0731		0739		0746	
Canary Wharf	0628		0635		0643		0650		0658		0705		0713		0720		0728		0735		0743		0750	
Whitechapel	0632	0636	0639	0643	0647	0651	0654	0658	0702	0706	0709	0713	0717	0721	0724	0728	0732	0736	0739	0743	0747	0751	0754	
Liverpool St  Plts A & B	0635	0639	0642	0646	0650	0654	0657	0701	0705	0709	0712	0716	0720	0724	0727	0731	0735	0739	0742	0746	0750	0754	0757	
Liverpool St  Plts 15–17																								
Farringdon	0638	0642	0645	0649	0653	0657	0700	0704	0708	0712	0715	0719	0723	0727	0730	0734	0738	0742	0745	0749	0753	0757	0800	
Tottenham Court Road	0641	0645	0648	0652	0656	0700	0703	0707	0711	0715	0718	0722	0726	0730	0733	0737	0741	0745	0748	0752	0756	0800	0803	
Bond Street	0643	0647	0650	0654	0658	0702	0705	0709	0713	0717	0720	0724	0728	0732	0735	0739	0743	0747	0750	0754	0758	0802	0805	
Paddington  Plts 11 & 12																								
Paddington  Plts A & B	0647	0650	0654	0657	0701	0705	0709	0712	0717	0720	0724	0727	0731	0735	0739	0742	0747	0750	0754	0757	0801	0806	0809	
Acton Main Line			0700				0715				0730				0745				0800				0815	
Ealing Broadway	0656		0703				0718		0726		0733				0748		0756		0803			0814	0818	
West Ealing			0706				0721				0736				0751				0806			0816	0821	
Hanwell			0708				0723				0738				0753				0808				0823	
Southall	0701		0711				0726		0731		0741				0756		0801		0811				0826	
Hayes & Harlington	0704		0714				0729		0735		0744				0759		0804		0814			0822	0829	
Heathrow Terminals 2 & 3			0722				0737				0752				0807				0822			0830	0837	
Heathrow Terminal 4							0742								0812				0827				0842	
Heathrow Terminal 5			0727								0757											0835		
West Drayton	0708								0738								0808							
Iver	0710								0741								0810							
Langley	0713								0743								0813							
Slough	0717								0747								0817							
Burnham	0720								0751								0820							
Taplow	0723								0753								0823							
Maidenhead	0726								0757								0826							
Twyford	0733								0803								0833							
Reading	0740								0811								0840							

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Saturdays

Shenfield	0718		0726		0733		0741		0748		0756		0803		0811		0818		0826		0833		0841
Brentwood	0722		0730		0737		0745		0752		0800		0807		0815		0822		0830		0837		0845
Harold Wood	0726		0734		0741		0749		0756		0804		0811		0819		0826		0834		0841		0849
Gidea Park	0729		0737		0744		0752		0759		0807		0814		0822		0829		0837		0844		0852
Romford	0732		0740		0747		0755		0802		0810		0817		0825		0832		0840		0847		0855
Chadwell Heath	0735		0743		0750		0758		0805		0813		0820		0828		0835		0843		0850		0858
Goodmayes	0737		0745		0752		0800		0807		0815		0822		0830		0837		0845		0852		0900
Seven Kings	0739		0747		0754		0802		0809		0817		0824		0832		0839		0847		0854		0902
Ilford	0743		0751		0758		0806		0813		0821		0828		0836		0843		0851		0858		0906
Manor Park	0745		0753		0800		0808		0815		0823		0830		0838		0845		0853		0900		0908
Forest Gate	0748		0756		0803		0811		0818		0826		0833		0841		0848		0856		0903		0911
Maryland	0750		0758		0805		0813		0820		0828		0835		0843		0850		0858		0905		0913
Stratford	0753		0801		0808		0816		0823		0831		0838		0846		0853		0901		0908		0916
Abbey Wood		0747		0754		0802		0809		0817		0824		0832		0839		0847		0854		0902	
Woolwich		0750		0757		0805		0812		0820		0827		0835		0842		0850		0857		0905	
Custom House		0754		0801		0809		0816		0824		0831		0839		0846		0854		0901		0909	
Canary Wharf		0758		0805		0813		0820		0828		0835		0843		0850		0858		0905		0913	
Whitechapel	0758	0802	0806	0809	0813	0817	0821	0824	0828	0832	0836	0839	0843	0847	0851	0854	0858	0902	0906	0909	0913	0917	0921
Liverpool St  Plts A & B	0801	0805	0809	0812	0816	0820	0824	0827	0831	0835	0839	0842	0846	0850	0854	0857	0901	0905	0909	0912	0916	0920	0924
Liverpool St  Plts 15–17																							
Farringdon	0804	0808	0812	0815	0819	0823	0827	0830	0834	0838	0842	0845	0849	0853	0857	0900	0904	0908	0912	0915	0919	0923	0927
Tottenham Court Road	0807	0811	0815	0818	0822	0826	0830	0833	0837	0841	0845	0848	0852	0856	0900	0903	0907	0911	0915	0918	0922	0926	0930
Bond Street	0809	0813	0817	0820	0824	0828	0832	0835	0839	0843	0847	0850	0854	0858	0902	0905	0909	0913	0917	0920	0924	0928	0932
Paddington  Plts 11 & 12																							
Paddington  Plts A & B	0812	0817	0820	0824	0827	0831	0836	0839	0842	0847	0850	0854	0857	0902	0906	0909	0912	0917	0920	0924	0927	0932	0936
Acton Main Line				0830				0845				0900				0915				0930			
Ealing Broadway		0826		0833			0844	0848		0856		0903		0911	0914	0918		0926		0933		0941	0944
West Ealing				0836			0846	0851				0906			0916	0921				0936			0946
Hanwell				0838				0853				0908				0923				0938			
Southall		0831		0841				0856		0901		0911		0915		0926		0932		0941		0945	
Hayes & Harlington		0834		0844			0852	0859		0904		0914		0919	0922	0929		0935		0944		0949	0952
Heathrow Terminals 2 & 3				0852			0900	0907				0922			0930	0937				0952			1000
Heathrow Terminal 4				0857				0912				0927				0942				0957			
Heathrow Terminal 5							0905								0935								1005
West Drayton		0838								0908				0922				0941					0952
Iver		0840								0910				0925									0955
Langley		0843								0913				0927				0945					0957
Slough		0847								0917				0931				0949					1001
Burnham		0850								0920				0935				0952					1005
Taplow		0853								0923								0955					
M Maidenhead		0856								0926				0940				0958					1010
Twyford		0903								0933								1005					
Reading		0910								0940								1012					

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Saturdays

Shenfield		0848		0856		0903		0911		0918		0926		0933		0941	then at the same time past each hour until		1948		1956		2003
Brentwood		0852		0900		0907		0915		0922		0930		0937		0945			1952		2000		2007
Harold Wood		0856		0904		0911		0919		0926		0934		0941		0949			1956		2004		2011
Gidea Park		0859		0907		0914		0922		0929		0937		0944		0952			1959		2007		2014
Romford		0902		0910		0917		0925		0932		0940		0947		0955			2002		2010		2017
Chadwell Heath		0905		0913		0920		0928		0935		0943		0950		0958			2005		2013		2020
Goodmayes		0907		0915		0922		0930		0937		0945		0952		1000			2007		2015		2022
Seven Kings		0909		0917		0924		0932		0939		0947		0954		1002			2009		2017		2024
Ilford		0913		0921		0928		0936		0943		0951		0958		1006			2013		2021		2028
Manor Park		0915		0923		0930		0938		0945		0953		1000		1008			2015		2023		2030
Forest Gate		0918		0926		0933		0941		0948		0956		1003		1011			2018		2026		2033
Maryland		0920		0928		0935		0943		0950		0958		1005		1013			2020		2028		2035
Stratford		0923		0931		0938		0946		0953		1001		1008		1016			2023		2031		2038
Abbey Wood	0909		0917		0924		0932		0939		0947		0954		1002			2009		2017		2024	
Woolwich	0912		0920		0927		0935		0942		0950		0957		1005			2012		2020		2027	
Custom House	0916		0924		0931		0939		0946		0954		1001		1009			2016		2024		2031	
Canary Wharf	0920		0928		0935		0943		0950		0958		1005		1013			2020		2028		2035	
Whitechapel	0924	0928	0932	0936	0939	0943	0947	0951	0954	0958	1002	1006	1009	1013	1017	1021		2024	2028	2032	2036	2039	2043
Liverpool St  Plts A & B	0927	0931	0935	0939	0942	0946	0950	0954	0957	1001	1005	1009	1012	1016	1020	1024		2027	2031	2035	2039	2042	2046
Liverpool St  Plts 15–17																							
Farringdon	0930	0934	0938	0942	0945	0949	0953	0957	1000	1004	1008	1012	1015	1019	1023	1027		2030	2034	2038	2042	2045	2049
Tottenham Court Road	0933	0937	0941	0945	0948	0952	0956	1000	1003	1007	1011	1015	1018	1022	1026	1030		2033	2037	2041	2045	2048	2052
Bond Street	0935	0939	0943	0947	0950	0954	0958	1002	1005	1009	1013	1017	1020	1024	1028	1032		2035	2039	2043	2047	2050	2054
Paddington  Plts 11 & 12																							
Paddington  Plts A & B	0939	0942	0947	0950	0954	0957	1002	1006	1009	1012	1017	1020	1024	1027	1032	1036	2039	2042	2047	2050	2054	2057	
Acton Main Line	0945				1000				1015				1030				2045				2100		
Ealing Broadway	0948		0955		1003		1011	1014	1018		1026		1033		1041	1044	2048		2056		2103		
West Ealing	0951				1006			1016	1021				1036			1046	2051				2106		
Hanwell	0953				1008				1023				1038				2053				2108		
Southall	0956		1002		1011		1015		1026		1032		1041		1045		2056		2102		2111		
Hayes & Harlington	0959		1005		1014		1019	1022	1029		1035		1044		1049	1052	2059		2105		2114		
Heathrow Terminals 2 & 3	1007				1022			1030	1037				1052			1100	2107				2122		
Heathrow Terminal 4	1012				1027				1042				1057				2112				2127		
Heathrow Terminal 5							1035									1105							
West Drayton			1009				1022				1039				1052				2109				
Iver							1025								1055								
Langley			1013				1027				1043				1057				2113				
Slough			1017				1031				1047				1101				2117				
Burnham			1020				1035				1050				1105				2120				
Taplow			1023								1053								2123				
Maidenhead			1026				1040				1056				1110				2126				
Twyford			1033								1103								2133				
Reading			1041								1110								2140				

then
at
the
same
time
past
each
hour
until

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Saturdays

Shenfield		2011		2018		2026		2033		2041		2048		2056		2103		2111		2118		2126		
Brentwood		2015		2022		2030		2037		2045		2052		2100		2107		2115		2122		2130		
Harold Wood		2019		2026		2034		2041		2049		2056		2104		2111		2119		2126		2134		
Gidea Park		2022		2029		2037		2044		2052		2059		2107		2114		2122		2129		2137		
Romford		2025		2032		2040		2047		2055		2102		2110		2117		2125		2132		2140		
Chadwell Heath		2028		2035		2043		2050		2058		2105		2113		2120		2128		2135		2143		
Goodmayes		2030		2037		2045		2052		2100		2107		2115		2122		2130		2137		2145		
Seven Kings		2032		2039		2047		2054		2102		2109		2117		2124		2132		2139		2147		
Ilford		2036		2043		2051		2058		2106		2113		2121		2128		2136		2143		2151		
Manor Park		2038		2045		2053		2100		2108		2115		2123		2130		2138		2145		2153		
Forest Gate		2041		2048		2056		2103		2111		2118		2126		2133		2141		2148		2156		
Maryland		2043		2050		2058		2105		2113		2120		2128		2135		2143		2150		2158		
Stratford		2046		2053		2101		2108		2116		2123		2131		2138		2146		2153		2201		
Abbey Wood	2032		2039		2047		2054		2102		2109		2117		2124		2132		2139		2147		2154	2158
Woolwich	2035		2042		2050		2057		2105		2112		2120		2127		2135		2142		2150		2157	2201
Custom House	2039		2046		2054		2101		2109		2116		2124		2131		2139		2146		2154		2201	2205
Canary Wharf	2043		2050		2058		2105		2113		2120		2128		2135		2143		2150		2158		2205	2209
Whitechapel	2047	2051	2054	2058	2102	2106	2109	2113	2117	2121	2124	2128	2132	2136	2139	2143	2147	2151	2154	2158	2202	2206	2209	2213
Liverpool St  Plts A & B	2050	2054	2057	2101	2105	2109	2112	2116	2120	2124	2127	2131	2135	2139	2142	2146	2150	2154	2157	2201	2205	2209	2212	2216
Liverpool St  Plts 15–17																								
Farringdon	2053	2057	2100	2104	2108	2112	2115	2119	2123	2127	2130	2134	2138	2142	2145	2149	2153	2157	2200	2204	2208	2212	2215	2219
Tottenham Court Road	2056	2100	2103	2107	2111	2115	2118	2122	2126	2130	2133	2137	2141	2145	2148	2152	2156	2200	2203	2207	2211	2215	2218	2222
Bond Street	2058	2102	2105	2109	2113	2117	2120	2124	2128	2132	2135	2139	2143	2147	2150	2154	2158	2202	2205	2209	2213	2217	2220	2224
Paddington  Plts 11 & 12																								
Paddington  Plts A & B	2102	2106	2109	2112	2117	2120	2124	2127	2132	2136	2139	2142	2147	2150	2154	2157	2202	2206	2209	2212	2217	2221	2223	2227
Acton Main Line			2115				2130				2145				2200			2215				2230		
Ealing Broadway	2111	2114	2118		2126		2133		2141	2144	2148		2156		2203		2211	2214	2218		2226	2233		
West Ealing		2116	2121				2136			2146	2151				2206			2216	2221			2236		
Hanwell			2123				2138				2153				2208				2223			2238		
Southall	2115		2126		2132		2141		2145		2156		2202		2211		2215		2226		2232	2241		
Hayes & Harlington	2119	2122	2129		2135		2144		2149	2152	2159		2205		2214		2219	2222	2229		2235	2244		
Heathrow Terminals 2 & 3		2130	2137				2152			2200	2207				2222			2230	2237			2252		
Heathrow Terminal 4			2142				2157				2212				2227				2242			2257		
Heathrow Terminal 5		2135								2205								2235						
West Drayton	2122				2139				2152				2209				2222				2239			
Iver	2125								2155								2225				2241			
Langley	2127				2143				2157				2213				2227				2244			
Slough	2131				2147				2201				2217				2231				2248			
Burnham	2135				2150				2205				2220				2235				2251			
Taplow					2153								2223								2254			
Maidenhead	2140				2156				2210				2226				2240				2257			
Twyford					2203								2233								2304			
Reading					2210								2240								2311			

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Saturdays

Shenfield	2136		2146		2156		2206		2216		2226		2236		2246		2256		2311		2326		2341	2356
Brentwood	2140		2150		2200		2210		2220		2230		2240		2250		2300		2315		2330		2345	2359
Harold Wood	2144		2154		2204		2214		2224		2234		2244		2254		2304		2319		2334		2349	0004
Gidea Park	2147		2157		2207		2217		2227		2237		2247		2257		2307		2322		2337		2352	0007
Romford	2150		2200		2210		2220		2230		2240		2250		2300		2310		2325		2340		2355	0010
Chadwell Heath	2153		2203		2213		2223		2233		2243		2253		2303		2313		2328		2343		2358	0013
Goodmayes	2155		2205		2215		2225		2235		2245		2255		2305		2315		2330		2345		0001	0015
Seven Kings	2157		2207		2217		2227		2237		2247		2257		2307		2317		2332		2347		0002	0017
Ilford	2201		2211		2221		2231		2241		2251		2301		2311		2321		2336		2351		0006	0021
Manor Park	2203		2213		2223		2233		2243		2253		2303		2313		2323		2338		2353		0008	0023
Forest Gate	2206		2216		2226		2237		2246		2256		2306		2316		2326		2341		2356		0011	0026
Maryland	2208		2218		2228		2239		2248		2258		2308		2318		2328		2343		2358		0013	0028
Stratford	2211		2221		2231		2241		2251		2301		2311		2321		2331		2346		0001		0016	0031
Abbey Wood		2206		2216		2226		2236		2246		2256		2306		2316		2328		2343		2358		
Woolwich		2209		2219		2229		2239		2249		2259		2309		2319		2331		2346		0001		
Custom House		2213		2223		2233		2243		2253		2303		2313		2323		2335		2350		0005		
Canary Wharf		2217		2227		2237		2247		2257		2307		2317		2327		2339		2354		0009		
Whitechapel	2217	2221	2226	2231	2236	2241	2246	2251	2256	2301	2306	2311	2316	2321	2326	2331	2336	2343	2351	2358	0006	0013	0021	
Liverpool St  Plts A & B	2220	2224	2229	2234	2239	2244	2249	2254	2259	2304	2309	2314	2319	2324	2329	2334	2339	2346	2354	0001	0009	0016	0024	
Liverpool St  Plts 15–17																							0039	
Farringdon	2223	2227	2232	2237	2242	2247	2252	2257	2302	2307	2312	2317	2322	2327	2332	2337	2342	2349	2357	0004	0012	0019	0027	
Tottenham Court Road	2226	2230	2235	2240	2245	2250	2255	2300	2305	2310	2315	2320	2325	2330	2335	2340	2345	2352	2359	0007	0015	0022	0030	
Bond Street	2228	2232	2237	2242	2247	2252	2257	2302	2307	2312	2317	2322	2327	2332	2337	2342	2347	2354	0002	0009	0017	0024	0032	
Paddington  Plts 11 & 12																								
Paddington  Plts A & B	2231	2238	2240	2248	2253	2255	2300	2308	2310	2318	2323	2325	2330	2336	2340	2345	2350	2359	0005	0012	0020	0027	0035	
Acton Main Line		2245			2300			2315			2330			2342										
Ealing Broadway		2248		2256	2303			2318		2326	2333			2345				0008						
West Ealing		2251			2306			2321			2336			2348										
Hanwell		2253			2308			2323			2338			2350										
Southall		2256		2302	2311			2326		2332	2341			2353				0012						
Hayes & Harlington		2259		2305	2314			2329		2335	2344			2356				0016						
Heathrow Terminals 2 & 3		2307			2322			2337			2352													
Heathrow Terminal 4					2327						2357													
Heathrow Terminal 5		2312						2342																
West Drayton				2309						2339								0019						
Iver				2311						2341								0022						
Langley				2314						2349								0024						
Slough				2318						2353								0028						
Burnham				2321						2356														
Taplow				2324						2359														
Maidenhead				2327						0003								0036						
Twyford				2334																				
Reading				2341																				

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Sundays

Shenfield																	0641			0656			
Brentwood																	0645			0700			
Harold Wood																	0649			0704			
Gidea Park						0552		0607			0622		0637				0652			0707			
Romford						0555		0610			0625		0640				0655			0710			
Chadwell Heath						0558		0613			0628		0643				0658			0713			
Goodmayes						0600		0615			0630		0645				0700			0715			
Seven Kings						0602		0617			0632		0647				0702			0717			
Ilford						0606		0621			0636		0651				0706			0721			
Manor Park						0608		0623			0638		0653				0708			0723			
Forest Gate						0611		0626			0641		0656				0711			0726			
Maryland						0613		0628			0643		0658				0713			0728			
Stratford						0616		0631			0646		0701				0716			0731			
Abbey Wood																0658			0713				
Woolwich																0701			0716				
Custom House																0705			0720				
Canary Wharf																0709			0724				
Whitechapel																0713			0728				
Liverpool St  Plts A & B																0716			0731				
Liverpool St  Plts 15–17						0624		0639			0654		0709				0724			0739			
Farringdon																0719			0734				
Tottenham Court Road																0722			0737				
Bond Street																0724			0739				
Paddington  Plts 11 & 12	0512	0527	0542	0557	0612		0627		0642	0646		0657		0712	0716			0727			0743	0746	0757
Paddington  Plts A & B																0727			0742				
Acton Main Line																							
Ealing Broadway	0520	0535	0550	0605	0620		0635		0650	0654		0705		0720	0724			0735			0751	0754	0805
West Ealing																							
Hanwell																							
Southall	0525	0540	0555	0610	0625		0640		0655	0659		0710		0725	0729		0740			0755	0759	0810	
Hayes & Harlington	0528	0543	0558	0613	0628		0643		0658	0702		0713		0728	0732		0743			0759	0802	0813	
Heathrow Terminals 2 & 3	0538	0551	0608	0621	0638		0651		0708			0721		0738			0751			0808		0821	
Heathrow Terminal 4		0555		0625			0655					0725					0755					0825	
Heathrow Terminal 5	0542		0612		0642				0712					0742						0812			
West Drayton										0706					0736							0806	
Iver										0708					0738							0808	
Langley										0711					0741							0811	
Slough										0715					0745							0815	
Burnham																						0818	
Taplow																						0821	
M Maidenhead										0724					0754							0824	
Twyford										0731					0801							0831	
Reading										0738					0808							0840	

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Sundays

Shenfield		0711			0726		0741			0756		0811			0826		0841				0856		0911
Brentwood		0715			0730		0745			0800		0815			0830		0845				0900		0915
Harold Wood		0719			0734		0749			0804		0819			0834		0849				0904		0919
Gidea Park		0722			0737		0752			0807		0822			0837		0852				0907		0922
Romford		0725			0740		0755			0810		0825			0840		0855				0910		0925
Chadwell Heath		0728			0743		0758			0813		0828			0843		0858				0913		0928
Goodmayes		0730			0745		0800			0815		0830			0845		0900				0915		0930
Seven Kings		0732			0747		0802			0817		0832			0847		0902				0917		0932
Ilford		0736			0751		0806			0821		0836			0851		0906				0921		0936
Manor Park		0738			0753		0808			0823		0838			0853		0908				0923		0938
Forest Gate		0741			0756		0811			0826		0841			0856		0911				0926		0941
Maryland		0743			0758		0813			0828		0843			0858		0913				0928		0943
Stratford		0746			0801		0816			0831		0846			0901		0916				0931		0946
Abbey Wood	0729		0744			0759		0814			0829		0844			0859			0914			0929	
Woolwich	0732		0747			0802		0817			0832		0847			0902			0917			0932	
Custom House	0736		0751			0806		0821			0836		0851			0906			0921			0936	
Canary Wharf	0740		0755			0810		0825			0840		0855			0910			0925			0940	
Whitechapel	0744	0751	0759		0806	0814	0821	0829		0836	0844	0851	0859		0906	0914	0921		0929		0936	0944	0951
Liverpool St  Plts A & B	0747	0754	0802		0809	0817	0824	0832		0839	0847	0854	0902		0909	0917	0924		0932		0939	0947	0954
Liverpool St  Plts 15–17																							
Farringdon	0750	0757	0805		0812	0820	0827	0835		0842	0850	0857	0905		0912	0920	0927		0935		0942	0950	0957
Tottenham Court Road	0753	0800	0808		0815	0823	0830	0838		0845	0853	0900	0908		0915	0923	0930		0938		0945	0953	1000
Bond Street	0755	0802	0810		0817	0825	0832	0840		0847	0855	0902	0910		0917	0925	0932		0940		0947	0955	1002
Paddington  Plts 11 & 12				0818					0848					0918				0939		0948			
Paddington  Plts A & B	0803	0805	0813		0823	0833	0835	0843		0853	0903	0905	0913		0923	0933	0935		0943		0953	1003	1005
Acton Main Line	0809				0829	0839				0859	0909				0930			0945			1000		
Ealing Broadway	0812			0826	0832	0842			0856	0902	0912			0926	0933	0944		0948		0956	1003	1014	
West Ealing	0815				0835	0845				0905	0915				0936	0946		0951			1006	1016	
Hanwell	0817				0837	0847				0907	0917				0938			0953			1008		
Southall	0820			0831	0840	0850			0901	0910	0920			0931	0941			0956		1001	1011		
Hayes & Harlington	0823			0834	0843	0853			0904	0913	0923			0934	0944	0952		0959		1004	1014	1022	
Heathrow Terminals 2 & 3	0832				0851	0902				0921	0932				0952	1000		1007			1022	1030	
Heathrow Terminal 4					0856					0926					0957			1012			1027		
Heathrow Terminal 5	0836					0906					0936					1005						1035	
West Drayton				0838					0908					0938						1008			
Iver				0840					0910					0940						1010			
Langley				0843					0913					0943						1013			
Slough				0847					0917					0947						1017			
Burnham				0850					0920					0950						1020			
Taplow				0853					0923					0953						1023			
Maidenhead				0856					0926					0956						1026			
Twyford				0903					0933					1003						1033			
Reading				0910					0940					1010						1040			

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Sundays

Shenfield				0926		0941				0956				1011				1026																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
-----------	--	--	--	------	--	------	--	--	--	------	--	--	--	------	--	--	--	------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Sundays

Shenfield				1856				1911				1926				1941				1956			
Brentwood				1900				1915				1930				1945				2000			
Harold Wood				1904				1919				1934				1949				2004			
Gidea Park		1859		1907		1914		1922		1929		1937		1944		1952		1959		2007		2014	
Romford		1902		1910		1917		1925		1932		1940		1947		1955		2002		2010		2017	
Chadwell Heath		1905		1913		1920		1928		1935		1943		1950		1958		2005		2013		2020	
Goodmayes		1907		1915		1922		1930		1937		1945		1952		2000		2007		2015		2022	
Seven Kings		1909		1917		1924		1932		1939		1947		1954		2002		2009		2017		2024	
Ilford		1913		1921		1928		1936		1943		1951		1958		2006		2013		2021		2028	
Manor Park		1915		1923		1930		1938		1945		1953		2000		2008		2015		2023		2030	
Forest Gate		1918		1926		1933		1941		1948		1956		2003		2011		2018		2026		2033	
Maryland		1920		1928		1935		1943		1950		1958		2005		2013		2020		2028		2035	
Stratford		1923		1931		1938		1946		1953		2001		2008		2016		2023		2031		2038	
Abbey Wood	1909		1917		1924		1932		1939		1947		1954		2002		2009		2017		2024		2032
Woolwich	1912		1920		1927		1935		1942		1950		1957		2005		2012		2020		2027		2035
Custom House	1916		1924		1931		1939		1946		1954		2001		2009		2016		2024		2031		2039
Canary Wharf	1920		1928		1935		1943		1950		1958		2005		2013		2020		2028		2035		2043
Whitechapel	1924	1928	1932	1936	1939	1943	1947	1951	1954	1958	2002	2006	2009	2013	2017	2021	2024	2028	2032	2036	2039	2043	2047
Liverpool St  Plts A & B	1927	1931	1935	1939	1942	1946	1950	1954	1957	2001	2005	2009	2012	2016	2020	2024	2027	2031	2035	2039	2042	2046	2050
Liverpool St  Plts 15–17																							
Farringdon	1930	1934	1938	1942	1945	1949	1953	1957	2000	2004	2008	2012	2015	2019	2023	2027	2030	2034	2038	2042	2045	2049	2053
Tottenham Court Road	1933	1937	1941	1945	1948	1952	1956	2000	2003	2007	2011	2015	2018	2022	2026	2030	2033	2037	2041	2045	2048	2052	2056
Bond Street	1935	1939	1943	1947	1950	1954	1958	2002	2005	2009	2013	2017	2020	2024	2028	2032	2035	2039	2043	2047	2050	2054	2058
Paddington  Plts 11 & 12																							
Paddington  Plts A & B	1939	1942	1947	1950	1954	1957	2002	2006	2009	2012	2017	2020	2024	2027	2032	2036	2039	2042	2047	2050	2054	2057	2102
Acton Main Line	1945				2000				2015				2030				2045				2100		
Ealing Broadway	1948		1956		2003		2011	2014	2018		2026		2033		2041	2044	2048		2056		2103		2111
West Ealing	1951				2006			2016	2021				2036			2046	2051				2106		
Hanwell	1953				2008				2023				2038				2053				2108		
Southall	1956		2002		2011		2015		2026		2032		2041		2045		2056		2102		2111		2115
Hayes & Harlington	1959		2005		2014		2019	2022	2029		2035		2044		2049	2052	2059		2105		2114		2119
Heathrow Terminals 2 & 3	2007				2022			2030	2037				2052			2100	2107				2122		
Heathrow Terminal 4	2012				2027				2042				2057				2112				2127		
Heathrow Terminal 5								2035								2105							
West Drayton			2009				2022				2039				2052				2109				2122
Iver							2025								2055								2125
Langley			2013				2027				2043				2057				2113				2127
Slough			2017				2031				2047				2101				2117				2131
Burnham			2020				2035				2050				2105				2120				2135
Taplow			2023								2053								2123				
Maidenhead			2026				2040								2110				2126				2140
Twyford			2033								2103								2133				
Reading			2040								2110								2140				

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Sundays

Shenfield	2011				2026				2041				2056					2111			2126		
Brentwood	2015				2030				2045				2100					2115			2130		
Harold Wood	2019				2034				2049				2104					2119			2134		
Gidea Park	2022		2029		2037		2044		2052		2059		2107		2114			2122			2137		
Romford	2025		2032		2040		2047		2055		2102		2110		2117			2125			2140		
Chadwell Heath	2028		2035		2043		2050		2058		2105		2113		2120			2128			2143		
Goodmayes	2030		2037		2045		2052		2100		2107		2115		2122			2130			2145		
Seven Kings	2032		2039		2047		2054		2102		2109		2117		2124			2132			2147		
Ilford	2036		2043		2051		2058		2106		2113		2121		2128			2136			2151		
Manor Park	2038		2045		2053		2100		2108		2115		2123		2130			2138			2153		
Forest Gate	2041		2048		2056		2103		2111		2118		2126		2133			2141			2156		
Maryland	2043		2050		2058		2105		2113		2120		2128		2135			2143			2158		
Stratford	2046		2053		2101		2108		2116		2123		2131		2138			2146			2201		
Abbey Wood		2039		2047		2054		2102		2109		2117		2124			2132		2139	2146		2154	2201
Woolwich		2042		2050		2057		2105		2112		2120		2127			2135		2142	2149		2157	2204
Custom House		2046		2054		2101		2109		2116		2124		2131			2139		2146	2153		2201	2208
Canary Wharf		2050		2058		2105		2113		2120		2128		2135			2143		2152	2157		2207	2212
Whitechapel	2051	2054	2058	2102	2106	2109	2113	2117	2121	2124	2128	2132	2136	2139	2143		2147	2151	2156	2201	2206	2211	2216
Liverpool St  Plts A & B	2054	2057	2101	2105	2109	2112	2116	2120	2124	2127	2131	2135	2139	2142	2146		2150	2154	2159	2204	2209	2214	2219
Liverpool St  Plts 15–17																							
Farringdon	2057	2100	2104	2108	2112	2115	2119	2123	2127	2130	2134	2138	2142	2145	2149		2153	2157	2202	2207	2212	2217	2222
Tottenham Court Road	2100	2103	2107	2111	2115	2118	2122	2126	2130	2133	2137	2141	2145	2148	2152		2156	2200	2205	2210	2215	2220	2225
Bond Street	2102	2105	2109	2113	2117	2120	2124	2128	2132	2135	2139	2143	2147	2150	2154		2158	2202	2207	2212	2217	2222	2227
Paddington  Plts 11 & 12																2202							
Paddington  Plts A & B	2106	2109	2112	2117	2120	2124	2127	2132	2136	2139	2142	2148	2150	2153	2157		2203	2205	2211	2218	2220	2225	2233
Acton Main Line		2115				2130			2142			2155					2210			2225			2240
Ealing Broadway	2114	2118		2126		2133		2141	2145	2151		2158				2210	2213		2221	2228			2243
West Ealing	2116	2121				2136			2148			2201					2216			2231			2246
Hanwell		2123				2138			2150			2203					2218			2233			2248
Southall		2126		2132		2141		2145	2153	2155		2206				2215	2221		2225	2236			2251
Hayes & Harlington	2122	2129		2135		2144		2149	2156	2159		2209				2219	2224		2229	2239			2254
Heathrow Terminals 2 & 3	2130	2137				2152			2207			2220					2232			2247			2302
Heathrow Terminal 4		2142				2157			2212								2237						2307
Heathrow Terminal 5	2135											2224											
West Drayton				2139				2152		2203							2222			2232			
Iver								2155									2225			2235			
Langley				2143				2157		2207							2227			2237			
Slough				2147				2201		2211							2231			2241			
Burnham				2150				2205		2214							2235			2245			
Taplow				2153						2217										2247			
Maidenhead				2156				2210		2220						2240				2251			
Twyford				2203						2227										2258			
Reading				2210						2234										2305			

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Westbound

All services shown are operated by Elizabeth line

Sundays

Shenfield	2141			2156		2211	2226			2241		2256		2311	2326	2341	2356
Brentwood	2145			2200		2215	2230			2245		2300		2315	2330	2345	2359
Harold Wood	2149			2204		2219	2234			2249		2304		2319	2334	2349	0004
Gidea Park	2152			2207		2222	2237			2252		2307		2322	2337	2352	0007
Romford	2155			2210		2225	2240			2255		2310		2325	2340	2355	0010
Chadwell Heath	2158			2213		2228	2243			2258		2313		2328	2343	2358	0013
Goodmayes	2200			2215		2230	2245			2300		2315		2330	2345	0001	0015
Seven Kings	2202			2217		2232	2247			2302		2317		2332	2347	0002	0017
Ilford	2206			2221		2236	2251			2306		2321		2336	2351	0006	0021
Manor Park	2208			2223		2238	2253			2308		2323		2338	2353	0008	0023
Forest Gate	2211			2226		2241	2256			2311		2326		2341	2356	0011	0026
Maryland	2213			2228		2243	2258			2313		2328		2343	2358	0013	0028
Stratford	2216			2231		2246	2301			2316		2331		2346	0001	0016	0031
Abbey Wood			2213		2228												
Woolwich			2216		2231												
Custom House			2220		2235												
Canary Wharf			2224		2239												
Whitechapel	2221		2228	2236	2243												
Liverpool St  Plts A & B	2224		2231	2239	2246												
Liverpool St  Plts 15–17						2254	2309			2324		2339		2354	0009	0024	0039
Farringdon	2227		2234	2242	2249												
Tottenham Court Road	2230		2237	2245	2252												
Bond Street	2232		2239	2247	2254												
Paddington  Plts 11 & 12		2241						2313	2318		2335		2343				
Paddington  Plts A & B	2235		2248	2250	2303												
Acton Main Line																	
Ealing Broadway		2249	2257		2311			2321	2326		2343		2351				
West Ealing																	
Hanwell																	
Southall		2253	2301		2316			2325	2331		2347		2355				
Hayes & Harlington		2257	2305		2319			2329	2334		2350		2359				
Heathrow Terminals 2 & 3			2312		2327				2342								
Heathrow Terminal 4					2332												
Heathrow Terminal 5			2316						2346								
West Drayton		2301						2332					0002				
Iver		2303						2335					0005				
Langley		2306						2337					0007				
Slough		2310						2341					0011				
Burnham		2313						2345									
Taplow		2316						2347									
M Maidenhead		2319						2351					0023				
Twyford		2326															
Reading		2333															

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Reading																				0545			
Twyford																				0551			
Maidenhead							0513				0527				0543					0558			
Taplow							0516				0530				0546					0601			
Burnham							0519				0533				0549					0604			
Slough							0523				0538				0553					0608			
Langley							0526				0542				0556					0612			
Iver							0529				0544				0559					0614			
West Drayton							0531				0547				0602					0617			
Heathrow Terminal 5				0515									0546										
Heathrow Terminal 4									0530								0600						0615
Heathrow Terminals 2 & 3				0521					0536				0551				0606						0621
Hayes & Harlington				0527		0536			0542		0552		0557		0607		0612		0621				0627
Southall				0530		0540			0545		0556		0600		0610		0615		0625				0630
Hanwell				0533					0548				0603				0618						0633
West Ealing				0535					0550				0605				0620						0635
Ealing Broadway				0538		0545			0552		0602		0607		0616		0622		0629				0637
Acton Main Line				0540					0555				0610				0625						0640
Paddington  Plts A & B				0545	0549	0552	0556	0600	0604	0607	0611	0615	0619	0622	0626	0630	0633	0636	0639	0642	0645	0648	0651
Paddington  Plts 11 & 12																							
Bond Street				0548	0552	0555	0559	0603	0607	0610	0614	0618	0622	0625	0629	0633	0636	0639	0642	0645	0648	0651	0654
Tottenham Court Road				0550	0554	0557	0601	0605	0609	0612	0616	0620	0624	0627	0631	0635	0638	0641	0644	0647	0650	0653	0656
Farringdon				0553	0557	0600	0604	0608	0612	0615	0619	0623	0627	0630	0634	0638	0641	0644	0647	0650	0653	0656	0659
Liverpool St  Plts 15–17	0524	0539	0554																				
Liverpool St  Plts A & B				0556	0600	0603	0607	0611	0615	0618	0622	0626	0630	0633	0637	0641	0644	0647	0650	0653	0656	0659	0702
Whitechapel				0558	0602	0605	0609	0613	0617	0620	0624	0628	0632	0635	0639	0643	0646	0649	0652	0655	0658	0701	0704
Canary Wharf				0602	0606		0613		0621		0628		0636		0643		0650		0656		0702		0708
Custom House				0606	0610		0617		0625		0632		0640		0647		0654		0700		0706		0712
Woolwich				0610	0614		0621		0629		0636		0644		0651		0658		0704		0710		0716
Abbey Wood				0614	0619		0626		0634		0641		0650		0656		0702		0708		0714		0720
Stratford	0531	0546	0601			0611		0619		0626		0634		0641		0649		0655		0701		0707	
Maryland	0533	0548	0603			0613		0621		0628		0636		0643		0651		0657		0703		0709	
Forest Gate	0535	0550	0605			0615		0623		0630		0638		0645		0653		0659		0705		0711	
Manor Park	0538	0553	0608			0618		0626		0633		0641		0648		0656		0702		0708		0714	
Ilford	0541	0556	0611			0621		0629		0636		0644		0651		0659		0705		0711		0717	
Seven Kings	0543	0558	0613			0623		0631		0638		0646		0653		0701		0707		0713		0719	
Goodmayes	0545	0600	0615			0625		0633		0640		0648		0655		0703		0709		0715		0721	
Chadwell Heath	0547	0602	0617			0627		0635		0642		0650		0657		0705		0711		0717		0723	
Romford	0551	0606	0621			0631		0639		0646		0654		0701		0709		0715		0721		0727	
Gidea Park	0554	0609	0624			0634		0642		0649		0657		0704		0712		0718		0724		0730	
Harold Wood	0557	0612	0627			0637		0645		0652		0700		0707		0715		0721		0727		0733	
Brentwood	0601	0616	0631			0641		0649		0656		0704		0711		0719		0725		0731		0737	
Shenfield	0607	0622	0637			0647		0653		0701		0708		0719		0727		0731		0737		0743	

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Reading						0614		0624								0644		0654					
Twyford						0619		0629								0649		0659					
Maidenhead		0613				0626		0636					0643			0657		0706					
Taplow		0616				0629							0646			0700							
Burnham		0619				0632		0641					0649			0703		0711					
Slough		0623				0636		0645					0653			0707		0715					
Langley		0626				0640							0656			0710							
Iver		0629				0642							0659			0713							
West Drayton		0633				0645		0651					0702			0717		0721					
Heathrow Terminal 5	0620										0650											0720	
Heathrow Terminal 4				0630						0645					0700						0715		
Heathrow Terminals 2 & 3	0625			0636						0651	0655			0706						0721	0725		
Hayes & Harlington	0632	0638		0642		0650				0657	0702	0707		0712		0721				0727	0732		
Southall		0642		0645		0654				0700		0710		0715		0725				0730			
Hanwell				0648						0703				0718						0733			
West Ealing	0639			0650						0705	0710			0720						0735	0739		
Ealing Broadway	0641	0647		0652		0658		0704		0707	0713	0716		0722		0729		0734		0738	0741		
Acton Main Line				0655						0710				0725						0740			
Paddington  Plts A & B	0654	0657	0700	0703	0706	0709	0712	0715	0718	0721	0724	0727	0730	0733	0736	0738	0741	0743	0746	0748	0751	0753	0756
Paddington  Plts 11 & 12																							
Bond Street	0657	0700	0703	0706	0709	0712	0715	0718	0721	0724	0727	0730	0733	0736	0739	0741	0744	0746	0749	0751	0754	0756	0759
Tottenham Court Road	0659	0702	0705	0708	0711	0714	0717	0720	0723	0726	0729	0732	0735	0738	0741	0744	0746	0749	0751	0754	0756	0759	0801
Farringdon	0702	0705	0708	0711	0714	0717	0720	0723	0726	0729	0732	0735	0738	0741	0744	0747	0749	0752	0754	0757	0759	0802	0804
Liverpool St  Plts 15–17																							
Liverpool St  Plts A & B	0705	0708	0711	0714	0717	0720	0723	0726	0729	0732	0735	0738	0741	0744	0747	0749	0752	0754	0757	0759	0802	0804	0807
Whitechapel	0707	0710	0713	0716	0719	0722	0725	0728	0731	0734	0737	0740	0743	0746	0749	0752	0754	0757	0759	0802	0804	0807	0809
Canary Wharf		0714		0720		0726		0732		0738		0744		0750		0756		0801		0806		0811	
Custom House		0718		0724		0730		0736		0742		0748		0754		0759		0804		0809		0814	
Woolwich		0722		0728		0734		0740		0746		0752		0758		0803		0808		0813		0818	
Abbey Wood		0726		0732		0741		0746		0751		0756		0802		0808		0813		0818		0823	
Stratford	0713		0719		0725		0731		0737		0743		0749		0755		0800		0805		0810		0815
Maryland	0715		0721		0727		0733		0739		0745		0751		0757		0802		0807		0812		0817
Forest Gate	0717		0723		0729		0735		0741		0747		0753		0759		0804		0809		0814		0819
Manor Park	0720		0726		0732		0738		0744		0750		0756		0802		0807		0812		0817		0822
Ilford	0723		0729		0735		0741		0747		0753		0759		0805		0810		0815		0820		0825
Seven Kings	0725		0731		0737		0743		0749		0755		0801		0807		0812		0817		0822		0827
Goodmayes	0727		0733		0739		0745		0751		0757		0803		0809		0814		0819		0824		0829
Chadwell Heath	0729		0735		0741		0747		0753		0759		0805		0811		0816		0821		0826		0831
Romford	0733		0739		0745		0751		0757		0803		0809		0815		0820		0825		0830		0835
Gidea Park	0736		0742		0748		0754		0800		0806		0812		0818		0823		0828		0833		0838
Harold Wood	0739		0745		0751		0757		0803		0809		0815		0821		0826		0831		0836		0841
Brentwood	0743		0749		0755		0801		0807		0813		0819		0825		0830		0835		0840		0845
Shenfield	0749		0757		0801		0807		0813		0819		0824		0829		0834		0839		0847		0849

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Reading					0714		0724										0744		0754				
Twyford					0719		0729										0749		0759				
Maidenhead	0713				0726		0737						0743				0756		0806				
Taplow	0716				0729								0746				0759						
Burnham	0719				0732		0741						0749				0802		0811				
Slough	0723				0736		0745						0753				0806		0815				
Langley	0726				0740								0756				0810						
Iver	0729				0742								0759				0812						
West Drayton	0732				0745		0751						0802				0815		0821				
Heathrow Terminal 5										0750												0820	
Heathrow Terminal 4			0730							0745						0800					0815		
Heathrow Terminals 2 & 3			0736							0751	0755				0806					0821	0825		
Hayes & Harlington	0737		0742		0750					0757	0802			0807	0812	0820				0827	0832		
Southall	0742		0745		0754					0800				0810	0815	0824				0830			
Hanwell			0748							0803					0818					0833			
West Ealing			0750							0805	0809				0820					0835	0839		
Ealing Broadway	0748		0752		0758		0804			0808	0811			0815	0822	0828	0834			0837	0841		
Acton Main Line			0755							0810					0825					0840			
Paddington  Plts A & B	0758	0801	0803	0806	0808	0811	0813	0816	0818	0821	0823	0826	0828	0831	0833	0836	0838	0841	0843	0846	0848	0851	0853
Paddington  Plts 11 & 12																							
Bond Street	0801	0804	0806	0809	0811	0814	0816	0819	0821	0824	0826	0829	0831	0834	0836	0839	0841	0844	0846	0849	0851	0854	0856
Tottenham Court Road	0804	0806	0809	0811	0814	0816	0819	0821	0824	0826	0829	0831	0834	0836	0839	0841	0844	0846	0849	0851	0854	0856	0859
Farringdon	0807	0809	0812	0814	0817	0819	0822	0824	0827	0829	0832	0834	0837	0839	0842	0844	0847	0849	0852	0854	0857	0859	0902
Liverpool St  Plts 15–17																							
Liverpool St  Plts A & B	0809	0812	0814	0817	0819	0822	0824	0827	0829	0832	0834	0837	0839	0842	0844	0847	0849	0852	0854	0857	0859	0902	0904
Whitechapel	0812	0814	0817	0819	0822	0824	0827	0829	0832	0834	0837	0839	0842	0844	0847	0849	0852	0854	0857	0859	0902	0904	0907
Canary Wharf	0816		0821		0826		0831		0836		0841		0846		0851		0856		0901		0906		0911
Custom House	0819		0824		0829		0834		0839		0844		0849		0854		0859		0904		0909		0914
Woolwich	0823		0828		0833		0838		0843		0848		0853		0858		0903		0908		0913		0918
Abbey Wood	0828		0833		0838		0843		0848		0853		0858		0903		0908		0913		0918		0923
Stratford		0820		0825		0830		0835		0840		0845		0850		0855		0900		0905		0910	
Maryland		0822		0827		0832		0837		0842		0847		0852		0857		0902		0907		0912	
Forest Gate		0824		0829		0834		0839		0844		0849		0854		0859		0904		0909		0914	
Manor Park		0827		0832		0837		0842		0847		0852		0857		0902		0907		0912		0917	
Ilford		0830		0835		0840		0845		0850		0855		0900		0905		0910		0915		0920	
Seven Kings		0832		0837		0842		0847		0852		0857		0902		0907		0912		0917		0922	
Goodmayes		0834		0839		0844		0849		0854		0859		0904		0909		0914		0919		0924	
Chadwell Heath		0836		0841		0846		0851		0856		0901		0906		0911		0916		0921		0926	
Romford		0840		0845		0850		0855		0900		0905		0910		0915		0920		0925		0930	
Gidea Park		0843		0848		0853		0858		0903		0908		0913		0918		0923		0928		0933	
Harold Wood		0846		0851		0856		0901		0906		0911		0916		0921		0926		0931		0936	
Brentwood		0850		0855		0900		0905		0910		0915		0920		0925		0930		0935		0940	
Shenfield		0854		0859		0904		0909		0917		0923		0925		0929		0934		0939		0944	

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Reading						0813		0824								0845						0858	
Twyford						0818		0829								0850						0904	
Maidenhead		0813				0825		0836					0843			0857						0914	
Taplow		0816				0828							0846			0901						0917	
Burnham		0819				0831		0841					0849			0904						0920	
Slough		0823				0836		0845					0853			0908						0924	
Langley		0826				0840							0856			0912						0927	
Iver		0829				0842							0859			0914						0930	
West Drayton		0832				0845		0851					0902			0917						0933	
Heathrow Terminal 5											0850										0920		
Heathrow Terminal 4				0830						0845					0900					0915			
Heathrow Terminals 2 & 3				0836						0851	0855			0906					0921	0925			
Hayes & Harlington		0837		0842		0850				0857	0902	0907		0912		0922			0927	0932	0939		
Southall		0840		0845		0854				0900		0910		0915		0925			0930		0942		
Hanwell				0848						0903				0918					0933				
West Ealing				0850						0905	0909			0920					0935	0939			
Ealing Broadway		0847		0852		0858		0904		0907	0911	0917		0922		0930			0937	0941	0947		
Acton Main Line				0855						0910				0925					0940				
Paddington  Plts A & B	0856	0858	0901	0903	0906	0909	0912	0915	0918	0921	0924	0927	0930	0933	0936	0939	0942	0945	0948	0951	0954	0957	1000
Paddington  Plts 11 & 12																							
Bond Street	0859	0901	0904	0906	0909	0912	0915	0918	0921	0924	0927	0930	0933	0936	0939	0942	0945	0948	0951	0954	0957	1000	1003
Tottenham Court Road	0901	0904	0906	0909	0911	0914	0917	0920	0923	0926	0929	0932	0935	0938	0941	0944	0947	0950	0953	0956	0959	1002	1005
Farringdon	0904	0907	0909	0912	0914	0917	0920	0923	0926	0929	0932	0935	0938	0941	0944	0947	0950	0953	0956	0959	1002	1005	1008
Liverpool St  Plts 15–17																							
Liverpool St  Plts A & B	0907	0909	0912	0914	0917	0920	0923	0926	0929	0932	0935	0938	0941	0944	0947	0950	0953	0956	0959	1002	1005	1008	1011
Whitechapel	0909	0912	0914	0917	0919	0922	0925	0928	0931	0934	0937	0940	0943	0946	0949	0952	0955	0958	1001	1004	1007	1010	1013
Canary Wharf		0916		0921		0926		0932		0938		0944		0950		0956		1002		1008		1014	
Custom House		0919		0924		0930		0936		0942		0948		0954		1000		1006		1012		1018	
Woolwich		0923		0928		0934		0940		0946		0952		0958		1004		1010		1016		1022	
Abbey Wood		0928		0933		0938		0944		0950		0956		1004		1008		1014		1020		1026	
Stratford	0915		0920		0925		0931		0937		0943		0949		0955		1001		1007		1013		1019
Maryland	0917		0922		0927		0933		0939		0945		0951		0957		1003		1009		1015		1021
Forest Gate	0919		0924		0929		0935		0941		0947		0953		0959		1005		1011		1017		1023
Manor Park	0922		0926		0932		0938		0944		0950		0956		1002		1008		1014		1020		1026
Ilford	0925		0929		0935		0941		0947		0953		0959		1005		1011		1017		1023		1029
Seven Kings	0927		0932		0937		0943		0949		0955		1001		1007		1013		1019		1025		1031
Goodmayes	0929		0934		0939		0945		0951		0957		1003		1009		1015		1021		1027		1033
Chadwell Heath	0931		0936		0941		0947		0953		0959		1005		1011		1017		1023		1029		1035
Romford	0935		0940		0945		0951		0957		1003		1009		1015		1021		1027		1033		1039
Gidea Park	0938		0942		0948		0954		1000		1006		1012		1018		1024		1030		1036		1042
Harold Wood	0941		0945		0951		0957		1003		1009		1015		1021		1027		1033		1039		1045
Brentwood	0945		0949		0955		1001		1007		1013		1019		1025		1031		1037		1043		1049
Shenfield	0951		0954		0959		1006		1011		1017		1023		1029		1035		1044		1047		1053

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Reading			0916				0928								0959							1029
Twyford			0921				0933								1004							1034
Maidenhead			0928				0940			0959					1011			1030				1041
Taplow			0931				0943								1014							1044
Burnham			0934				0946			1004					1017			1035				1047
Slough			0938				0950			1008					1021			1039				1051
Langley			0942				0954			1012					1025			1043				1055
Iver			0944				0957			1014								1045				
West Drayton			0947				1000			1017					1030			1048				1100
Heathrow Terminal 5						0950								1020							1050	
Heathrow Terminal 4	0930				0945				1000				1015				1030			1045		
Heathrow Terminals 2 & 3	0936				0951	0955			1006				1021	1025			1036			1051	1055	
Hayes & Harlington	0942		0951		0958	1002	1005		1012		1022		1027	1032	1035		1042		1052		1057	1102
Southall	0945		0954		1001		1008		1015		1025		1030		1038		1045		1055		1100	1109
Hanwell	0948				1004				1018				1033				1048				1103	
West Ealing	0950				1006	1009			1020				1035	1039			1050				1105	1109
Ealing Broadway	0952		0959		1008	1011	1015		1022		1030		1037	1041	1045		1052		1101		1107	1111
Acton Main Line	0955				1011				1025				1040				1055				1110	
Paddington  Plts A & B	1004	1007	1011	1015	1019	1022	1026	1030	1034	1037	1041	1045	1049	1052	1056	1100	1104	1107	1111	1115	1119	1122
Paddington  Plts 11 & 12																						
Bond Street	1007	1010	1014	1018	1022	1025	1029	1033	1037	1040	1044	1048	1052	1055	1059	1103	1107	1110	1114	1118	1122	1125
Tottenham Court Road	1009	1012	1016	1020	1024	1027	1031	1035	1039	1042	1046	1050	1054	1057	1101	1105	1109	1112	1116	1120	1124	1127
Farringdon	1012	1015	1019	1023	1027	1030	1034	1038	1042	1045	1049	1053	1057	1100	1104	1108	1112	1115	1119	1123	1127	1130
Liverpool St  Plts 15–17																						
Liverpool St  Plts A & B	1015	1018	1022	1026	1030	1033	1037	1041	1045	1048	1052	1056	1100	1103	1107	1111	1115	1118	1122	1126	1130	1133
Whitechapel	1017	1020	1024	1028	1032	1035	1039	1043	1047	1050	1054	1058	1102	1105	1109	1113	1117	1120	1124	1128	1132	1135
Canary Wharf	1021		1028		1036		1043		1051		1058		1106		1113		1121		1128		1136	1143
Custom House	1025		1032		1040		1047		1055		1102		1110		1117		1125		1132		1140	1147
Woolwich	1029		1036		1044		1051		1059		1106		1114		1121		1129		1136		1144	1151
Abbey Wood	1034		1041		1049		1056		1104		1111		1119		1126		1134		1141		1149	1156
Stratford		1026		1034		1041		1049		1056		1104		1111		1119		1126		1134		1141
Maryland		1028		1036		1043		1051		1058		1106		1113		1121		1128		1136		1143
Forest Gate		1030		1038		1045		1053		1100		1108		1115		1123		1130		1138		1145
Manor Park		1033		1041		1048		1056		1103		1111		1118		1126		1133		1141		1148
Ilford		1036		1044		1051		1059		1106		1114		1121		1129		1136		1144		1151
Seven Kings		1038		1046		1053		1101		1108		1116		1123		1131		1138		1146		1153
Goodmayes		1040		1048		1055		1103		1110		1118		1125		1133		1140		1148		1155
Chadwell Heath		1042		1050		1057		1105		1112		1120		1127		1135		1142		1150		1157
Romford		1046		1054		1101		1109		1116		1124		1131		1139		1146		1154		1201
Gidea Park		1049		1057		1104		1112		1119		1127		1134		1142		1149		1157		1204
Harold Wood		1052		1100		1107		1115		1122		1130		1137		1145		1152		1200		1207
Brentwood		1056		1104		1111		1119		1126		1134		1141		1149		1156		1204		1211
Shenfield		1100		1108		1115		1123		1130		1138		1145		1153		1200		1208		1215

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Reading								1059								1129						
Twyford								1104								1134						
M Maidenhead				1058				1111				1129				1141				1159		
Taplow								1114								1144						
Burnham				1102				1117				1133				1147				1204		
Slough				1106				1121				1137				1151				1208		
Langley				1110				1125				1142				1155				1212		
Iver				1112								1144								1214		
West Drayton				1115				1130				1147				1159				1217		
Heathrow Terminal 5							1120								1150							
Heathrow Terminal 4		1100				1115				1130				1145				1200				1215
Heathrow Terminals 2 & 3		1106				1121	1125			1136				1151	1155			1206				1221
Hayes & Harlington		1113		1119		1127	1132	1135		1142		1151		1157	1202	1205		1212		1222		1227
Southall		1116		1125		1131		1138		1145		1154		1200		1208		1215		1225		1230
Hanwell		1119				1134				1148				1203				1218				1233
West Ealing		1121				1136	1139			1150				1205	1209			1220				1235
Ealing Broadway		1123		1130		1138	1141	1144		1152		1159		1207	1211	1215		1222		1229		1237
Acton Main Line		1126				1141				1155				1210				1225				1240
Paddington 🚶 Plts A & B	1130	1134	1137	1141	1145	1149	1152	1156	1200	1204	1207	1211	1215	1219	1222	1226	1230	1234	1237	1241	1245	1249
Paddington 🚶 Plts 11 & 12																						
Bond Street	1133	1137	1140	1144	1148	1152	1155	1159	1203	1207	1210	1214	1218	1222	1225	1229	1233	1237	1240	1244	1248	1252
Tottenham Court Road	1135	1139	1142	1146	1150	1154	1157	1201	1205	1209	1212	1216	1220	1224	1227	1231	1235	1239	1242	1246	1250	1254
Farringdon	1138	1142	1145	1149	1153	1157	1200	1204	1208	1212	1215	1219	1223	1227	1230	1234	1238	1242	1245	1249	1253	1257
Liverpool St 🚶 Plts 15–17																						
Liverpool St 🚶 Plts A & B	1141	1145	1148	1152	1156	1200	1203	1207	1211	1215	1218	1222	1226	1230	1233	1237	1241	1245	1248	1252	1256	1300
Whitechapel	1143	1147	1150	1154	1158	1202	1205	1209	1213	1217	1220	1224	1228	1232	1235	1239	1243	1247	1250	1254	1258	1302
Canary Wharf		1151		1158		1206		1213		1221		1228		1236		1243		1251		1258		1306
Custom House		1155		1202		1210		1217		1225		1232		1240		1247		1255		1302		1310
Woolwich		1159		1206		1214		1221		1229		1236		1244		1251		1259		1306		1314
Abbey Wood		1204		1211		1219		1226		1234		1241		1249		1256		1304		1311		1320
Stratford	1149		1156		1204		1211		1219		1226		1234		1241		1249		1256		1304	
Maryland	1151		1158		1206		1213		1221		1228		1236		1243		1251		1258		1306	
Forest Gate	1153		1200		1208		1215		1223		1230		1238		1245		1253		1300		1308	
Manor Park	1156		1203		1211		1218		1226		1233		1241		1248		1256		1303		1311	
Ilford	1159		1206		1214		1221		1229		1235		1243		1250		1259		1305		1314	
Seven Kings	1201		1208		1216		1223		1231		1238		1246		1253		1301		1308		1316	
Goodmayes	1203		1210		1218		1225		1233		1240		1248		1255		1303		1310		1318	
Chadwell Heath	1205		1212		1220		1227		1235		1242		1250		1257		1305		1312		1320	
Romford	1209		1216		1224		1231		1239		1246		1254		1301		1309		1316		1324	
Gidea Park	1212		1219		1227		1234		1242		1249		1257		1304		1312		1319		1327	
Harold Wood	1215		1222		1230		1237		1245		1252		1300		1307		1315		1322		1330	
Brentwood	1219		1226		1234		1241		1249		1256		1304		1311		1319		1326		1334	
Shenfield	1223		1230		1238		1247		1253		1300		1311		1316		1323		1331		1341	

then
at
the
same
time
past
each
hour
until

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Reading		1459										1529											
Twyford		1504										1534											
Maidenhead		1511					1529					1541					1600						
Taplow		1514										1544											
Burnham		1517					1534					1547					1604						
Slough		1521					1538					1551					1608						
Langley		1525					1542					1555					1612						
Iver							1544										1614						
West Drayton		1530					1547					1600					1617						
Heathrow Terminal 5	1520										1550												1620
Heathrow Terminal 4					1530						1545					1600						1615	
Heathrow Terminals 2 & 3	1525				1536						1551	1555				1606					1621	1625	
Hayes & Harlington	1532	1536			1542		1552				1557	1602	1605			1612		1622			1627	1632	
Southall		1539			1545		1555				1600		1608			1615		1625			1630		
Hanwell					1548						1603					1618					1633		
West Ealing	1539				1550						1605	1608				1620					1635	1639	
Ealing Broadway	1541	1545			1552		1600				1607	1610	1614			1622		1629			1637	1641	
Acton Main Line					1555						1610					1625					1640		
Paddington  Plts A & B	1552	1556		1600	1603	1606	1609	1612	1615	1618	1621	1624	1627		1630	1633	1636	1639	1642	1645	1648	1650	1653
Paddington  Plts 11 & 12																							
Bond Street	1555	1559		1603	1606	1609	1612	1615	1618	1621	1624	1627	1630		1633	1636	1639	1642	1645	1648	1651	1653	1656
Tottenham Court Road	1557	1601		1605	1608	1611	1614	1617	1620	1623	1626	1629	1632		1635	1638	1641	1644	1647	1650	1653	1656	1658
Farringdon	1600	1604		1608	1611	1614	1617	1620	1623	1626	1629	1632	1635		1638	1641	1644	1647	1650	1653	1656	1659	1701
Liverpool St  Plts 15–17			1610											1640									
Liverpool St  Plts A & B	1603	1607		1611	1614	1617	1620	1623	1626	1629	1632	1635	1638		1641	1644	1647	1650	1653	1656	1659	1701	1704
Whitechapel	1605	1609		1613	1616	1619	1622	1625	1628	1631	1634	1637	1640		1643	1646	1649	1652	1655	1658	1701	1704	1706
Canary Wharf		1613			1620		1626		1632		1640		1646			1651		1656		1702		1708	
Custom House		1617			1624		1630		1636		1644		1650			1655		1700		1706		1711	
Woolwich		1621			1628		1634		1640		1648		1654			1659		1704		1710		1715	
Abbey Wood		1626			1632		1638		1644		1653		1658			1703		1708		1714		1720	
Stratford	1611		1617	1621		1626		1631		1637		1643		1647	1651		1655		1701		1707		1712
Maryland	1613		1619	1623		1628		1633		1639		1645		1649	1653		1657		1703		1709		1714
Forest Gate	1615		1621	1625		1630		1635		1641		1647		1651	1655		1659		1705		1711		1716
Manor Park	1618		1624	1628		1633		1638		1644		1650		1654	1658		1702		1708		1714		1719
Ilford	1621		1627	1630		1636		1641		1647		1653		1657	1701		1705		1711		1717		1722
Seven Kings	1623		1629	1633		1638		1643		1649		1655		1659	1703		1707		1713		1719		1724
Goodmayes	1625		1631	1635		1640		1645		1651		1657		1701	1705		1709		1715		1721		1726
Chadwell Heath	1627		1633	1637		1642		1647		1653		1659		1703	1707		1711		1717		1723		1728
Romford	1631		1637	1641		1646		1651		1657		1703		1707	1711		1715		1721		1727		1732
Gidea Park	1634		1641	1645		1649		1654		1700		1706		1711	1715		1719		1724		1730		1735
Harold Wood	1637			1648		1652		1657		1703		1709			1718		1722		1727		1733		1738
Brentwood	1641			1652		1656		1701		1707		1713			1722		1726		1731		1737		1742
Shenfield	1646			1656		1701		1706		1711		1717			1726		1731		1736		1741		1747

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Reading	1559							1616						1632							1647		
Twyford	1604							1621						1637							1652		
Maidenhead	1611							1628						1644							1659		
Taplow	1614							1631						1647							1702		
Burnham	1617							1634						1650							1705		
Slough	1621							1639						1654							1709		
Langley	1627							1643						1658							1713		
Iver	1630							1645						1700							1715		
West Drayton	1632							1648						1703							1718		
Heathrow Terminal 5												1650											
Heathrow Terminal 4						1630						1645							1700				
Heathrow Terminals 2 & 3						1636						1651	1655						1706				
Hayes & Harlington	1636					1642		1652				1659	1702	1708					1712		1723		
Southall	1640					1645		1655				1702		1711					1715		1726		
Hanwell						1648						1705							1718				
West Ealing						1650						1707	1710						1720				
Ealing Broadway	1645					1652		1659				1709	1712	1716					1722		1730		
Acton Main Line						1655						1712							1725				
Paddington  Plts A & B	1655		1658	1700	1703	1705	1708	1710	1713	1715	1718	1720	1723	1725		1728	1730	1733	1735	1738	1740	1743	1745
Paddington  Plts 11 & 12																							
Bond Street	1658		1701	1703	1706	1708	1711	1713	1716	1718	1721	1723	1726	1728		1731	1733	1736	1738	1741	1743	1746	1748
Tottenham Court Road	1701		1703	1706	1708	1711	1713	1716	1718	1721	1723	1726	1728	1731		1733	1736	1738	1741	1743	1746	1748	1751
Farringdon	1704		1706	1709	1711	1714	1716	1719	1721	1724	1726	1729	1731	1734		1736	1739	1741	1744	1746	1749	1751	1754
Liverpool St  Plts 15–17		1709													1739								
Liverpool St  Plts A & B	1706		1709	1711	1714	1716	1719	1721	1724	1726	1729	1731	1734	1736		1739	1741	1744	1746	1749	1751	1754	1756
Whitechapel	1709		1711	1714	1716	1719	1721	1724	1726	1729	1731	1734	1736	1739		1741	1744	1746	1749	1751	1754	1756	1759
Canary Wharf	1713			1718		1723		1728		1733		1738		1743		1748		1753		1758		1803	
Custom House	1716			1721		1726		1731		1736		1741		1746		1751		1756		1801		1806	
Woolwich	1720			1725		1730		1735		1740		1745		1750		1755		1800		1805		1810	
Abbey Wood	1725			1730		1735		1740		1745		1750		1755		1800		1805		1810		1815	
Stratford		1716	1720		1724		1728		1732		1737		1742		1746	1750		1754		1758		1802	
Maryland		1718	1722		1726		1730		1734		1739		1744		1748	1752		1756		1800		1804	
Forest Gate		1720	1724		1728		1732		1736		1741		1746		1750	1754		1758		1802		1806	
Manor Park		1723	1727		1731		1735		1739		1744		1749		1753	1757		1801		1805		1809	
Ilford		1726	1730		1734		1738		1742		1747		1752		1756	1800		1804		1808		1812	
Seven Kings		1728	1732		1736		1740		1744		1749		1754		1758	1802		1806		1810		1814	
Goodmayes		1730	1734		1738		1742		1746		1751		1756		1800	1804		1808		1812		1816	
Chadwell Heath		1732	1736		1740		1744		1748		1753		1758		1802	1806		1810		1814		1818	
Romford		1736	1740		1744		1748		1752		1757		1802		1806	1810		1814		1818		1822	
Gidea Park		1740	1744		1748		1752		1756		1800		1805		1810	1814		1818		1822		1826	
Harold Wood			1747		1751		1755		1759		1803		1808			1817		1821		1825		1829	
Brentwood			1751		1755		1759		1803		1807		1812			1821		1825		1829		1833	
Shenfield			1755		1759		1805		1809		1813		1817			1825		1829		1835		1839	

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Reading				1701							1716						1732					1746	
Twyford				1707							1721						1737					1751	
Maidenhead				1714							1728						1744					1758	
Taplow				1717							1731						1747					1801	
Burnham				1720							1734						1750					1804	
Slough				1724							1738						1754					1808	
Langley				1728							1742						1758					1812	
Iver				1730							1744						1800					1814	
West Drayton				1733							1747						1803					1817	
Heathrow Terminal 5			1720													1750							
Heathrow Terminal 4		1715							1730						1745						1800		
Heathrow Terminals 2 & 3		1721	1725						1736						1751	1755					1806		
Hayes & Harlington		1727	1734	1738					1742		1752				1758	1802	1809				1812		1822
Southall		1730		1741					1745		1755				1801		1812				1815		1825
Hanwell		1733							1748						1804						1818		
West Ealing		1735	1740						1750						1806	1809					1820		
Ealing Broadway		1737	1743	1746					1752		1800				1808	1811	1818				1822		1830
Acton Main Line		1740							1755						1811						1825		
Paddington  Plts A & B	1748	1750	1753	1755		1758	1800	1803	1805	1808	1810	1813	1815	1818	1821	1824	1827		1830	1833	1836	1839	1842
Paddington  Plts 11 & 12																							
Bond Street	1751	1753	1756	1758		1801	1803	1806	1808	1811	1813	1816	1818	1821	1824	1827	1830		1833	1836	1839	1842	1845
Tottenham Court Road	1753	1756	1758	1801		1803	1806	1808	1811	1813	1816	1818	1821	1823	1826	1829	1832		1835	1838	1841	1844	1847
Farringdon	1756	1759	1801	1804		1806	1809	1811	1814	1816	1819	1821	1824	1826	1829	1832	1835		1838	1841	1844	1847	1850
Liverpool St  Plts 15–17					1809													1840					
Liverpool St  Plts A & B	1759	1801	1804	1806		1809	1811	1814	1816	1819	1821	1824	1826	1829	1832	1835	1838		1841	1844	1847	1850	1853
Whitechapel	1801	1804	1806	1809		1811	1814	1816	1819	1821	1824	1826	1829	1831	1834	1837	1840		1843	1846	1849	1852	1855
Canary Wharf		1808		1813			1818		1823		1828		1833		1838		1844			1850		1856	
Custom House		1811		1816			1821		1826		1831		1836		1842		1848			1854		1900	
Woolwich		1815		1820			1825		1830		1835		1840		1846		1852			1858		1904	
Abbey Wood		1820		1825			1830		1835		1840		1845		1850		1856			1902		1908	
Stratford	1807		1812		1816	1820		1824		1828		1832		1837		1843		1847	1851		1855		1901
Maryland	1809		1814		1818	1822		1826		1830		1834		1839		1845		1849	1853		1857		1903
Forest Gate	1811		1816		1820	1824		1828		1832		1836		1841		1847		1851	1855		1859		1905
Manor Park	1814		1819		1823	1827		1831		1835		1839		1844		1850		1854	1858		1902		1908
Ilford	1817		1822		1826	1830		1834		1838		1842		1847		1853		1857	1901		1905		1911
Seven Kings	1819		1824		1828	1832		1836		1840		1844		1849		1855		1859	1903		1907		1913
Goodmayes	1821		1826		1830	1834		1838		1842		1846		1851		1857		1901	1905		1909		1915
Chadwell Heath	1823		1828		1832	1836		1840		1844		1848		1853		1859		1903	1907		1911		1917
Romford	1827		1832		1836	1840		1844		1848		1852		1857		1903		1907	1911		1915		1921
Gidea Park	1830		1835		1840	1844		1848		1852		1856		1900		1906		1911	1915		1919		1924
Harold Wood	1833		1838			1847		1851		1855		1859		1903		1909			1918		1922		1927
Brentwood	1837		1842			1851		1855		1859		1903		1907		1913			1922		1926		1931
Shenfield	1841		1847			1855		1859		1906		1908		1912		1917			1926		1930		1936

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Reading					1759				1816						1828				1845				1859
Twyford					1804				1821						1834				1850				1904
Maidenhead					1811				1828						1841				1858				1912
Taplow					1814				1831						1844				1901				1915
Burnham					1817				1834						1847				1904				1918
Slough					1821				1838						1851				1908				1922
Langley					1825				1842						1855				1911				1925
Iver					1827				1844						1857				1914				1928
West Drayton					1830				1847						1900				1916				1930
Heathrow Terminal 5				1820										1850								1920	
Heathrow Terminal 4			1815					1830						1845			1900				1915		
Heathrow Terminals 2 & 3			1821	1825				1836						1851	1855		1906				1921	1925	
Hayes & Harlington			1828	1832	1835			1842						1858	1902	1905	1912		1921		1927	1932	1935
Southall			1831		1838			1845						1901		1908	1915		1925		1930		1940
Hanwell			1834					1848						1904			1918				1933		
West Ealing			1836	1839				1850						1906	1909		1920				1935	1939	
Ealing Broadway			1838	1841	1845			1852		1900				1908	1911	1915	1922		1930		1937	1941	1945
Acton Main Line			1841					1855						1911			1925				1940		
Paddington  Plts A & B	1845	1848	1851	1854	1857	1900	1903	1906	1909	1912	1915	1918	1921	1924	1927	1930	1934	1937	1941	1945	1949	1952	1956
Paddington  Plts 11 & 12																							
Bond Street	1848	1851	1854	1857	1900	1903	1906	1909	1912	1915	1918	1921	1924	1927	1930	1933	1937	1940	1944	1948	1952	1955	1959
Tottenham Court Road	1850	1853	1856	1859	1902	1905	1908	1911	1914	1917	1920	1923	1926	1929	1932	1935	1939	1942	1946	1950	1954	1957	2001
Farringdon	1853	1856	1859	1902	1905	1908	1911	1914	1917	1920	1923	1926	1929	1932	1935	1938	1942	1945	1949	1953	1957	2000	2004
Liverpool St  Plts 15–17																							
Liverpool St  Plts A & B	1856	1859	1902	1905	1908	1911	1914	1917	1920	1923	1926	1929	1932	1935	1938	1941	1945	1948	1952	1956	2000	2003	2007
Whitechapel	1858	1901	1904	1907	1910	1913	1916	1919	1922	1925	1928	1931	1934	1937	1940	1943	1947	1950	1954	1958	2002	2005	2009
Canary Wharf	1902		1908		1914			1920		1926		1932		1938		1944		1951		1958		2006	2013
Custom House	1906		1912		1918			1924		1930		1936		1942		1948		1955		2002		2010	2017
Woolwich	1910		1916		1922			1928		1934		1940		1946		1952		1959		2006		2014	2021
Abbey Wood	1914		1920		1926			1932		1938		1944		1950		1956		2004		2011		2019	2026
Stratford		1907		1913		1919		1925		1931		1937		1943		1949		1956		2004		2011	
Maryland		1909		1915		1921		1927		1933		1939		1945		1951		1958		2006		2013	
Forest Gate		1911		1917		1923		1929		1935		1941		1947		1953		2000		2008		2015	
Manor Park		1914		1920		1926		1932		1938		1943		1950		1956		2003		2011		2018	
Ilford		1917		1923		1929		1935		1941		1946		1953		1959		2005		2014		2021	
Seven Kings		1919		1925		1931		1937		1943		1949		1955		2001		2008		2016		2024	
Goodmayes		1921		1927		1933		1939		1945		1951		1957		2003		2010		2018		2026	
Chadwell Heath		1923		1929		1935		1941		1947		1953		1959		2005		2012		2020		2028	
Romford		1927		1933		1939		1945		1951		1957		2003		2009		2016		2024		2032	
Gidea Park		1930		1936		1942		1948		1954		1959		2006		2012		2019		2027		2034	
Harold Wood		1933		1939		1945		1951		1957		2002		2009		2015		2022		2030		2037	
Brentwood		1937		1943		1949		1955		2001		2006		2013		2019		2026		2034		2041	
Shenfield		1944		1947		1953		1959		2006		2011		2017		2023		2030		2038		2045	

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Reading								1930								2000							
Twyford								1935								2005							
M Maidenhead				1930				1942				2000				2012				2030			
Taplow								1945								2015							
Burnham				1934				1948				2004				2018				2034			
Slough				1938				1952				2008				2022				2038			
Langley				1942				1956				2012				2026				2042			
Iver				1944								2014								2044			
West Drayton				1947				2000				2017				2030				2047			
Heathrow Terminal 5							1950								2020								2050
Heathrow Terminal 4		1930				1945				2000				2015				2030				2045	
Heathrow Terminals 2 & 3		1936				1951	1955			2006				2021	2025			2036			2051	2055	
Hayes & Harlington		1942		1952		1957	2002	2005		2012		2022		2027	2032	2035		2042		2052		2057	2103
Southall		1945		1955		2000		2008		2015		2025		2030		2039		2045		2055		2100	
Hanwell		1948				2003				2018				2033				2048				2103	
West Ealing		1950				2005	2008			2020				2035	2038			2050				2105	2110
Ealing Broadway		1952		2000		2007	2011	2014		2022		2030		2037	2041	2045		2052		2100		2107	2112
Acton Main Line		1955				2010				2025				2040				2055				2110	
Paddington  Plts A & B	2000	2004	2007	2011	2015	2019	2022	2026	2030	2034	2037	2041	2045	2049	2052	2056	2100	2104	2107	2111	2115	2119	2122
Paddington  Plts 11 & 12																							
Bond Street	2003	2007	2010	2014	2018	2022	2025	2029	2033	2037	2040	2044	2048	2052	2055	2059	2103	2107	2110	2114	2118	2122	2125
Tottenham Court Road	2005	2009	2012	2016	2020	2024	2027	2031	2035	2039	2042	2046	2050	2054	2057	2101	2105	2109	2112	2116	2120	2124	2127
Farringdon	2008	2012	2015	2019	2023	2027	2030	2034	2038	2042	2045	2049	2053	2057	2100	2104	2108	2112	2115	2119	2123	2127	2130
Liverpool St  Plts 15–17																							
Liverpool St  Plts A & B	2011	2015	2018	2022	2026	2030	2033	2037	2041	2045	2048	2052	2056	2100	2103	2107	2111	2115	2118	2122	2126	2130	2133
Whitechapel	2013	2017	2020	2024	2028	2032	2035	2039	2043	2047	2050	2054	2058	2102	2105	2109	2113	2117	2120	2124	2128	2132	2135
Canary Wharf		2021		2028		2036		2043		2051		2058		2106		2113		2121		2128		2136	
Custom House		2025		2032		2040		2047		2055		2102		2110		2117		2125		2132		2140	
Woolwich		2029		2036		2044		2051		2059		2106		2114		2121		2129		2136		2144	
Abbey Wood		2034		2041		2049		2056		2104		2111		2119		2126		2134		2141		2149	
Stratford	2019		2026		2034		2041		2049		2056		2104		2111		2119		2126		2134		2141
Maryland	2021		2028		2036		2043		2051		2058		2106		2113		2121		2128		2136		2143
Forest Gate	2023		2030		2038		2045		2053		2100		2108		2115		2123		2130		2138		2145
Manor Park	2026		2033		2041		2048		2056		2103		2111		2118		2126		2133		2141		2148
Ilford	2029		2036		2044		2051		2059		2106		2114		2121		2129		2136		2144		2151
Seven Kings	2031		2039		2046		2053		2101		2108		2116		2123		2131		2138		2146		2153
Goodmayes	2033		2041		2048		2055		2103		2110		2118		2125		2133		2140		2148		2155
Chadwell Heath	2035		2043		2050		2057		2105		2112		2120		2127		2135		2142		2150		2157
Romford	2039		2047		2054		2101		2109		2116		2124		2131		2139		2146		2154		2201
Gidea Park	2042		2049		2057		2104		2112		2119		2127		2134		2142		2149		2157		2204
Harold Wood	2045		2052		2100		2107		2115		2122		2130		2137		2145		2152		2200		2207
Brentwood	2049		2056		2104		2111		2119		2126		2134		2141		2149		2156		2204		2211
Shenfield	2053		2100		2108		2115		2123		2130		2138		2145		2153		2200		2208		2215

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Reading	2030								2100								2130						
Twyford	2035								2105								2135						
Maidenhead	2042				2059				2112				2130				2142				2159		
Taplow	2045								2115								2145						
Burnham	2048				2103				2118				2134				2148				2204		
Slough	2052				2107				2122				2138				2152				2208		
Langley	2056				2111				2126				2142				2156				2211		
Iver					2113								2144								2214		
West Drayton	2100				2116				2130				2147				2200				2216		
Heathrow Terminal 5								2120								2150							
Heathrow Terminal 4			2100					2115				2130				2145			2200				2215
Heathrow Terminals 2 & 3			2106					2121	2125			2136				2151	2155		2206				2221
Hayes & Harlington	2106		2112		2120			2127	2134	2137		2142		2152		2157	2202	2205		2212		2220	2227
Southall	2110		2115		2123			2130		2141		2145		2155		2200		2208		2215		2224	2230
Hanwell			2118					2133				2148				2203				2218			2233
West Ealing			2120					2135	2139			2150				2205	2209			2220			2235
Ealing Broadway	2116		2122		2128			2138	2142	2146		2152		2200		2208	2211	2215		2222		2230	2238
Acton Main Line			2125					2140				2155				2210				2225			2240
Paddington  Plts A & B	2126	2130	2134	2137	2141	2145	2149	2152	2156	2200	2204	2207	2211	2215	2219	2222	2226	2230	2234	2237	2241	2245	2249
Paddington  Plts 11 & 12																							
Bond Street	2129	2133	2137	2140	2144	2148	2152	2155	2159	2203	2207	2210	2214	2218	2222	2225	2229	2233	2237	2240	2244	2248	2252
Tottenham Court Road	2131	2135	2139	2142	2146	2150	2154	2157	2201	2205	2209	2212	2216	2220	2224	2227	2231	2235	2239	2242	2246	2250	2254
Farringdon	2134	2138	2142	2145	2149	2153	2157	2200	2204	2208	2212	2215	2219	2223	2227	2230	2234	2238	2242	2245	2249	2253	2257
Liverpool St  Plts 15–17																							
Liverpool St  Plts A & B	2137	2141	2145	2148	2152	2156	2200	2203	2207	2211	2215	2218	2222	2226	2230	2233	2237	2241	2245	2248	2252	2256	2300
Whitechapel	2139	2143	2147	2150	2154	2158	2202	2205	2209	2213	2217	2220	2224	2228	2232	2235	2239	2243	2247	2250	2254	2258	2302
Canary Wharf	2143		2151		2158		2206		2213		2221		2228		2236		2243		2251		2258		2306
Custom House	2147		2155		2202		2210		2217		2225		2232		2240		2247		2255		2302		2310
Woolwich	2151		2159		2206		2214		2221		2229		2236		2244		2251		2259		2306		2314
Abbey Wood	2156		2204		2211		2219		2226		2234		2241		2249		2256		2303		2311		2318
Stratford		2149		2156		2204		2211		2219		2226		2234		2241		2249		2256		2304	
Maryland		2151		2158		2206		2213		2221		2228		2236		2243		2251		2258		2306	
Forest Gate		2153		2200		2208		2215		2223		2230		2238		2245		2253		2300		2308	
Manor Park		2156		2203		2211		2218		2226		2233		2241		2248		2256		2303		2312	
Ilford		2159		2206		2213		2221		2230		2235		2243		2251		2259		2306		2315	
Seven Kings		2201		2208		2216		2224		2232		2239		2246		2254		2301		2308		2317	
Goodmayes		2203		2210		2218		2226		2234		2241		2248		2256		2303		2310		2319	
Chadwell Heath		2205		2212		2220		2228		2236		2243		2250		2258		2305		2312		2321	
Romford		2209		2216		2224		2232		2240		2247		2254		2302		2309		2316		2325	
Gidea Park		2212		2219		2227		2234		2243		2249		2257		2304		2312		2319		2328	
Harold Wood		2215		2222		2230		2237		2246		2252		2300		2307		2315		2322		2331	
Brentwood		2219		2226		2234		2241		2250		2256		2304		2311		2319		2326		2335	
Shenfield		2223		2230		2239		2245		2254		2300		2308		2315		2323		2330		2339	

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Mondays to Fridays

Reading			2159							2228						2258		2317					
Twyford			2204							2233						2303		2322					
Maidenhead			2212			2230				2241						2310		2329					
Taplow			2215							2244						2313		2332					
Burnham			2218			2234				2247						2316		2335					
Slough			2222			2238				2251						2321		2339					
Langley			2225			2242				2254						2324		2343					
Iver						2244				2257						2327		2345					
West Drayton			2229			2247				2300						2329		2348					
Heathrow Terminal 5	2220											2300					2330					0007	
Heathrow Terminal 4					2230				2245						2315					2347			
Heathrow Terminals 2 & 3	2225				2236				2251			2306			2321		2336			2352		0012	
Hayes & Harlington	2232		2235		2243	2252			2257	2306		2312			2327	2333	2343	2353		2359		0019	
Southall			2238		2246	2255			2300	2309		2315			2330	2339	2346	2356		0002		0022	
Hanwell					2249				2303			2318			2333		2349						
West Ealing	2239				2251				2305			2320			2335		2351						
Ealing Broadway	2241		2245		2253	2300			2307	2315		2322			2338	2345	2353	0002		0006		0026	
Acton Main Line					2256				2310			2325			2340		2356						
Paddington  Plts A & B		2252	2257	2302	2307		2312	2317	2322	2327	2332	2337	2342	2347	2351	2359	0007		0014		0022		
Paddington  Plts 11 & 12	2250					2308												0010		0015		0036	
Bond Street		2255	2300	2305	2310		2315	2320	2325	2330	2335	2340	2345	2350	2354	0002	0010		0017		0025		
Tottenham Court Road		2257	2302	2307	2312		2317	2322	2327	2332	2337	2342	2347	2352	2356	0004	0012		0019		0027		
Farringdon		2300	2305	2310	2315		2320	2325	2330	2335	2340	2345	2350	2355	2359	0007	0015		0022		0030		
Liverpool St  Plts 15–17																						0055	
Liverpool St  Plts A & B		2303	2308	2313	2318		2323	2328	2333	2338	2343	2348	2353	2358	0002	0010	0018		0025		0033		
Whitechapel		2305	2310	2315	2320		2325	2330	2335	2340	2345	2350	2355	0001	0004	0012	0020		0027		0035		
Canary Wharf			2314		2324			2334		2344		2354		0005		0016							
Custom House			2318		2328			2338		2348		2358		0008		0020							
Woolwich			2322		2332			2342		2352		0002		0012		0024							
Abbey Wood			2326		2336			2348		2356		0006		0016		0028							
Stratford		2311		2321			2331		2341		2351		0001		0010		0026				0041		0102
Maryland		2313		2323			2333		2343		2353		0003		0012		0028				0043		0104
Forest Gate		2315		2325			2335		2345		2355		0005		0014		0030				0045		0106
Manor Park		2318		2328			2338		2348		2358		0008		0016		0033				0047		0109
Ilford		2321		2331			2341		2351		0001		0011		0019		0036				0050		0112
Seven Kings		2323		2333			2343		2353		0003		0013		0022		0038				0052		0114
Goodmayes		2325		2335			2345		2355		0005		0015		0024		0040				0054		0116
Chadwell Heath		2327		2337			2347		2357		0007		0017		0026		0042				0056		0118
Romford		2331		2341			2351		0001		0011		0021		0030		0046				0100		0122
Gidea Park		2335		2344			2354		0004		0014		0024		0032		0049				0102		0125
Harold Wood		2338		2347			2357		0007		0017		0027		0035		0052				0105		0128
Brentwood		2343		2351			0001		0011		0021		0031		0039		0056				0109		0132
Shenfield		2348		2355			0005		0015		0025		0035		0045		0100				0115		0138

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Saturdays

Reading																							0559
Twyford																							0604
Maidenhead							0512								0542								0611
Taplow							0515								0545								0614
Burnham							0518								0548								0617
Slough							0522								0552								0621
Langley							0525								0555								0625
Iver							0528								0558								0627
West Drayton							0530								0600								0630
Heathrow Terminal 5				0515									0545							0615			
Heathrow Terminal 4								0530								0600							
Heathrow Terminals 2 & 3				0521				0536				0551				0606				0621			
Hayes & Harlington				0527		0535		0542				0557		0605		0612				0627			0634
Southall				0530		0538		0545				0600		0608		0615				0630			0638
Hanwell				0533				0548				0603				0618				0633			
West Ealing				0535				0550				0605				0620				0635			
Ealing Broadway				0537		0545		0552				0607		0615		0622				0637			0645
Acton Main Line				0540				0555				0610				0625				0640			
Paddington  Plts A & B				0545	0549	0552	0556	0600	0604	0607	0611	0615	0619	0622	0626	0630	0634	0637	0641	0645	0649	0652	0656
Paddington  Plts 11 & 12																							
Bond Street				0548	0552	0555	0559	0603	0607	0610	0614	0618	0622	0625	0629	0633	0637	0640	0644	0648	0652	0655	0659
Tottenham Court Road				0550	0554	0557	0601	0605	0609	0612	0616	0620	0624	0627	0631	0635	0639	0642	0646	0650	0654	0657	0701
Farringdon				0553	0557	0600	0604	0608	0612	0615	0619	0623	0627	0630	0634	0638	0642	0645	0649	0653	0657	0700	0704
Liverpool St  Plts 15–17	0524	0539	0554																				
Liverpool St  Plts A & B				0556	0600	0603	0607	0611	0615	0618	0622	0626	0630	0633	0637	0641	0645	0648	0652	0656	0700	0703	0707
Whitechapel				0558	0602	0605	0609	0613	0617	0620	0624	0628	0632	0635	0639	0643	0647	0650	0654	0658	0702	0705	0709
Canary Wharf				0602	0606		0613		0621		0628		0636		0643		0651		0658		0706		0713
Custom House				0606	0610		0617		0625		0632		0640		0647		0655		0702		0710		0717
Woolwich				0610	0615		0622		0630		0637		0645		0652		0700		0707		0715		0722
Abbey Wood				0614	0619		0626		0634		0641		0649		0656		0704		0711		0719		0726
Stratford	0531	0546	0601			0611		0619		0626		0634		0641		0649		0656		0704		0711	
Maryland	0533	0548	0603			0613		0621		0628		0636		0643		0651		0658		0706		0713	
Forest Gate	0535	0550	0605			0615		0623		0630		0638		0645		0653		0700		0708		0715	
Manor Park	0538	0553	0608			0618		0626		0633		0641		0648		0656		0703		0711		0718	
Ilford	0541	0556	0611			0621		0629		0636		0644		0651		0658		0706		0714		0721	
Seven Kings	0543	0558	0613			0623		0631		0638		0646		0653		0701		0708		0716		0723	
Goodmayes	0545	0600	0615			0625		0633		0640		0648		0655		0703		0710		0718		0725	
Chadwell Heath	0547	0602	0617			0627		0635		0642		0650		0657		0705		0712		0720		0727	
Romford	0551	0606	0621			0631		0639		0646		0654		0701		0709		0716		0724		0731	
Gidea Park	0554	0609	0624			0634		0642		0649		0657		0704		0712		0719		0727		0734	
Harold Wood	0557	0612	0627			0637		0645		0652		0700		0707		0715		0722		0730		0737	
Brentwood	0601	0616	0631			0641		0649		0656		0704		0711		0719		0726		0734		0741	
Shenfield	0606	0621	0636			0645		0653		0700		0708		0715		0723		0730		0738		0745	

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Saturdays

Reading								0629								0659								
Twyford								0634								0704								
Maidenhead								0641								0711								
Taplow								0644								0714								
Burnham								0647								0717								
Slough								0651								0721								
Langley								0655								0725								
Iver								0657								0727								
West Drayton								0700								0730								
Heathrow Terminal 5						0645								0715									0745	
Heathrow Terminal 4		0630								0700								0730						
Heathrow Terminals 2 & 3		0636				0651				0706				0721				0736					0751	
Hayes & Harlington		0642				0657		0705		0712				0728		0735		0742					0757	
Southall		0645				0700		0708		0715				0731		0738		0745					0800	
Hanwell		0648				0703				0718				0734				0748					0803	
West Ealing		0650				0705				0720				0736				0750					0805	
Ealing Broadway		0652				0707		0715		0722				0738		0745		0752					0807	
Acton Main Line		0655				0710				0725				0741				0755					0810	
Paddington  Plts A & B	0700	0704	0707	0711	0715	0719	0722	0726	0730	0734	0737	0741	0745	0749	0752	0756	0800	0804	0807	0811	0815	0819	0822	
Paddington  Plts 11 & 12																								
Bond Street	0703	0707	0710	0714	0718	0722	0725	0729	0733	0737	0740	0744	0748	0752	0755	0759	0803	0807	0810	0814	0818	0822	0825	
Tottenham Court Road	0705	0709	0712	0716	0720	0724	0727	0731	0735	0739	0742	0746	0750	0754	0757	0801	0805	0809	0812	0816	0820	0824	0827	
Farringdon	0708	0712	0715	0719	0723	0727	0730	0734	0738	0742	0745	0749	0753	0757	0800	0804	0808	0812	0815	0819	0823	0827	0830	
Liverpool St  Plts 15–17																								
Liverpool St  Plts A & B	0711	0715	0718	0722	0726	0730	0733	0737	0741	0745	0748	0752	0756	0800	0803	0807	0811	0815	0818	0822	0826	0830	0833	
Whitechapel	0713	0717	0720	0724	0728	0732	0735	0739	0743	0747	0750	0754	0758	0802	0805	0809	0813	0817	0820	0824	0828	0832	0835	
Canary Wharf		0721		0728		0736		0743		0751		0758		0806		0813		0821		0828		0836		
Custom House		0725		0732		0740		0747		0755		0802		0810		0817		0825		0832		0840		
Woolwich		0730		0737		0745		0752		0800		0807		0815		0822		0830		0837		0845		
Abbey Wood		0734		0741		0749		0756		0804		0811		0819		0826		0834		0841		0849		
Stratford	0719		0726		0734		0741		0749		0756		0804		0811		0819		0826		0834		0841	
Maryland	0721		0728		0736		0743		0751		0758		0806		0813		0821		0828		0836		0843	
Forest Gate	0723		0730		0738		0745		0753		0800		0808		0815		0823		0830		0838		0845	
Manor Park	0726		0733		0741		0748		0756		0803		0811		0818		0826		0833		0841		0848	
Ilford	0729		0736		0744		0751		0759		0806		0814		0821		0829		0836		0844		0851	
Seven Kings	0731		0738		0746		0753		0801		0808		0816		0823		0831		0838		0846		0853	
Goodmayes	0733		0740		0748		0755		0803		0810		0818		0825		0833		0840		0848		0855	
Chadwell Heath	0735		0742		0750		0757		0805		0812		0820		0827		0835		0842		0850		0857	
Romford	0739		0746		0754		0801		0809		0816		0824		0831		0839		0846		0854		0901	
Gidea Park	0742		0749		0757		0804		0812		0819		0827		0834		0842		0849		0857		0904	
Harold Wood	0745		0752		0800		0807		0815		0822		0830		0837		0845		0852		0900		0907	
Brentwood	0749		0756		0804		0811		0819		0826		0834		0841		0849		0856		0904		0911	
Shenfield	0753		0800		0808		0815		0823		0830		0838		0845		0853		0900		0908		0915	

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Saturdays

[illegible]

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Saturdays

Reading				2029								2059							2129				
Twyford				2034								2104							2134				
M Maidenhead				2041				2059				2111			2129				2141				
Taplow				2044								2114							2144				
Burnham				2047				2104				2117			2134				2147				
Slough				2051				2108				2121			2138				2151				
Langley				2055				2112				2125			2142				2155				
Iver								2114							2144				2157				
West Drayton				2100				2117				2130			2147				2200				
Heathrow Terminal 5			2050								2120						2150						
Heathrow Terminal 4		2045				2100				2115				2130			2145				2200		
Heathrow Terminals 2 & 3		2051	2055			2106				2121	2125			2136			2151	2155			2206		
Hayes & Harlington		2057	2102	2105		2112		2122		2127	2132	2135		2142	2151		2157	2202	2205		2212		
Southall		2100		2108		2115		2125		2130		2138		2145	2154		2200		2208		2215		
Hanwell		2103				2118				2133				2148			2203				2218		
West Ealing		2105	2109			2120				2135	2139			2150			2205	2209			2220		
Ealing Broadway		2107	2111	2115		2122		2129		2137	2141	2145		2152	2158		2207	2211	2215		2222		
Acton Main Line		2110				2125				2140				2155			2210				2225		
Paddington  Plts A & B	2115	2119	2122	2126	2130	2134	2137	2141	2145	2149	2152	2156	2202	2207		2212	2218	2222	2227	2232	2237	2242	2247
Paddington  Plts 11 & 12															2207								
Bond Street	2118	2122	2125	2129	2133	2137	2140	2144	2148	2152	2155	2159	2205	2210		2215	2221	2225	2230	2235	2240	2245	2250
Tottenham Court Road	2120	2124	2127	2131	2135	2139	2142	2146	2150	2154	2157	2201	2207	2212		2217	2223	2227	2232	2237	2242	2247	2252
Farringdon	2123	2127	2130	2134	2138	2142	2145	2149	2153	2157	2200	2204	2210	2215		2220	2226	2230	2235	2240	2245	2250	2255
Liverpool St  Plts 15–17																							
Liverpool St  Plts A & B	2126	2130	2133	2137	2141	2145	2148	2152	2156	2200	2203	2207	2213	2218		2223	2229	2233	2238	2243	2248	2253	2258
Whitechapel	2128	2132	2135	2139	2143	2147	2150	2154	2158	2202	2205	2209	2215	2220		2225	2231	2235	2240	2245	2250	2255	2300
Canary Wharf		2136		2143		2151		2158		2206		2213		2224			2235		2244		2254		2304
Custom House		2140		2147		2155		2202		2210		2217		2228			2239		2248		2258		2308
Woolwich		2145		2152		2200		2207		2215		2222		2232			2243		2252		2302		2312
Abbey Wood		2149		2156		2204		2211		2219		2228		2236			2248		2256		2308		2316
Stratford	2134		2141		2149		2156		2204		2211		2221			2231		2241		2251		2301	
Maryland	2136		2143		2151		2158		2206		2213		2223			2233		2243		2253		2303	
Forest Gate	2138		2145		2153		2200		2208		2215		2225			2235		2245		2255		2305	
Manor Park	2141		2148		2156		2203		2211		2218		2228			2238		2248		2258		2308	
Ilford	2144		2151		2159		2206		2214		2221		2231			2241		2251		2301		2311	
Seven Kings	2146		2153		2201		2208		2216		2223		2234			2243		2253		2303		2313	
Goodmayes	2148		2155		2203		2210		2218		2225		2236			2245		2255		2305		2315	
Chadwell Heath	2150		2157		2205		2212		2220		2227		2238			2247		2257		2307		2317	
Romford	2154		2201		2209		2216		2224		2231		2242			2251		2301		2311		2321	
Gidea Park	2157		2204		2212		2219		2227		2234		2244			2254		2304		2314		2324	
Harold Wood	2200		2207		2215		2222		2230		2237		2247			2257		2307		2317		2327	
Brentwood	2204		2211		2219		2226		2234		2241		2251			2301		2311		2321		2331	
Shenfield	2209		2215		2223		2230		2239		2245		2255			2305		2315		2325		2335	

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Saturdays

Reading			2159						2229						2257		2319					
Twyford			2204						2234						2302		2324					
Maidenhead			2211						2241						2309		2331					
Taplow			2214						2244						2312		2334					
Burnham			2217						2247						2315		2337					
Slough			2221						2251						2319		2341					
Langley			2225						2255						2325		2345					
Iver			2227						2257						2327		2347					
West Drayton			2230						2300						2330		2350					
Heathrow Terminal 5		2220									2300					2330					0007	
Heathrow Terminal 4	2215				2230			2245						2315				2347				
Heathrow Terminals 2 & 3	2221	2225			2236			2251			2306			2321		2336		2352		0012		
Hayes & Harlington	2227	2232	2235		2242			2257	2305		2312			2327	2335	2342	2354	2359		0024		
Southall	2230		2238		2245			2300	2308		2315			2330	2338	2345	2357	0002		0027		
Hanwell	2233				2248			2303			2318			2333		2348						
West Ealing	2235	2239			2250			2305			2320			2335		2350						
Ealing Broadway	2237	2241	2245		2252			2307	2315		2322			2337	2345	2352	0002		0006		0032	
Acton Main Line	2240				2255			2310			2325			2340		2355						
Paddington  Plts A & B	2252		2257	2302	2307	2312	2317	2322	2327	2332	2337	2342	2347	2352	2359	0007		0014		0022		
Paddington  Plts 11 & 12		2250															0011		0015		0043	
Bond Street	2255		2300	2305	2310	2315	2320	2325	2330	2335	2340	2345	2350	2355	0002	0010		0017		0025		
Tottenham Court Road	2257		2302	2307	2312	2317	2322	2327	2332	2337	2342	2347	2352	2357	0004	0012		0019		0027		
Farringdon	2300		2305	2310	2315	2320	2325	2330	2335	2340	2345	2350	2355	0001	0007	0015		0022		0030		
Liverpool St  Plts 15–17																					0055	
Liverpool St  Plts A & B	2303		2308	2313	2318	2323	2328	2333	2338	2343	2348	2353	2358	0003	0010	0018		0025		0033		
Whitechapel	2305		2310	2315	2320	2325	2330	2335	2340	2345	2350	2355	0001	0005	0012	0020		0027		0035		
Canary Wharf			2314		2324			2334			2344			0005	0016							
Custom House			2318		2328			2338			2348			0008	0020							
Woolwich			2322		2332			2342			2352			0012	0024							
Abbey Wood			2326		2336			2346			2356			0016	0028							
Stratford	2311			2321		2331		2341		2351		0001		0011		0028				0041		0102
Maryland	2313			2323		2333		2343		2353		0003		0013		0030				0043		0104
Forest Gate	2315			2325		2335		2345		2355		0005		0015		0032				0045		0106
Manor Park	2318			2328		2338		2348		2358		0008		0017		0034				0048		0109
Ilford	2321			2331		2341		2351		0001		0011		0020		0037				0051		0112
Seven Kings	2323			2333		2343		2353		0003		0013		0023		0040				0053		0114
Goodmayes	2325			2335		2345		2355		0005		0015		0025		0042				0055		0116
Chadwell Heath	2327			2337		2347		2357		0007		0017		0027		0044				0057		0118
Romford	2331			2341		2351		0001		0011		0021		0031		0048				0101		0122
Gidea Park	2334			2344		2354		0004		0014		0024		0033		0050				0104		0125
Harold Wood	2337			2347		2357		0007		0017		0027		0036		0053				0107		0128
Brentwood	2341			2351		0001		0011		0021		0031		0040		0057				0111		0132
Shenfield	2345			2355		0005		0015		0025		0035		0045		0101				0115		0136

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Sundays

Reading											0653											
Twyford											0658											
Maidenhead											0705							0740				
Taplow																						
Burnham																						
Slough											0712							0746				
Langley											0715							0750				
Iver											0718							0752				
West Drayton											0721							0755				
Heathrow Terminal 5	0549			0619				0649						0719							0749	
Heathrow Terminal 4		0603				0633				0703							0733					0803
Heathrow Terminals 2 & 3	0554	0609		0624		0639		0654		0709				0724			0739				0754	0809
Hayes & Harlington	0600	0615		0630		0645		0700		0716		0726		0731			0746		0800		0804	0816
Southall	0603	0618		0633		0648		0703		0719		0729		0734			0749		0803		0807	0819
Hanwell																					0810	0822
West Ealing																					0812	0824
Ealing Broadway	0608	0623		0638		0653		0708		0723		0733		0738			0753		0807		0814	0826
Acton Main Line																					0817	0829
Paddington  Plts A & B													0744		0752	0759	0807	0814		0822	0829	0837
Paddington  Plts 11 & 12	0617	0632		0647		0702		0717		0732		0742		0747					0816			
Bond Street														0747			0755	0802	0810	0817		0825
Tottenham Court Road														0749			0757	0804	0812	0819		0827
Farringdon														0752			0800	0807	0815	0822		0830
Liverpool St  Plts 15–17			0632		0649		0702		0719		0732		0748									
Liverpool St  Plts A & B														0755		0803	0810	0818	0825		0833	
Whitechapel														0757		0805	0812	0820	0827		0835	
Canary Wharf														0801			0816		0831		0846	
Custom House														0805			0820		0835		0850	
Woolwich														0809			0824		0839		0854	
Abbey Wood														0814			0829		0844		0859	
Stratford			0639		0656		0709		0726		0739		0755			0811		0826			0841	
Maryland			0641		0658		0711		0728		0741		0757			0813		0828			0843	
Forest Gate			0643		0700		0713		0730		0743		0759			0815		0830			0845	
Manor Park			0646		0703		0716		0733		0746		0802			0818		0833			0848	
Ilford			0649		0706		0719		0736		0749		0805			0821		0836			0851	
Seven Kings			0651		0708		0721		0738		0751		0807			0823		0838			0853	
Goodmayes			0653		0710		0723		0740		0753		0809			0825		0840			0855	
Chadwell Heath			0655		0712		0725		0742		0755		0811			0827		0842			0857	
Romford			0659		0716		0729		0746		0759		0815			0831		0846			0901	
Gidea Park			0702		0719		0732		0749		0802		0818			0834		0849			0904	
Harold Wood			0705		0722		0735		0752		0805		0821			0837		0852			0907	
Brentwood			0709		0726		0739		0756		0809		0825			0841		0856			0911	
Shenfield			0713		0730		0743		0800		0813		0829			0845		0900			0915	

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Sundays

Reading		0753					0823						0853						0923				
Twyford		0758					0828						0858						0928				
Maidenhead		0806					0836						0906						0936				
Taplow		0809					0839						0909						0939				
Burnham		0812					0842						0912						0942				
Slough		0816					0846						0916						0946				
Langley		0819					0849						0919						0949				
Iver		0822					0852						0922						0952				
West Drayton		0825					0855						0925						0956				
Heathrow Terminal 5				0819					0849						0919						0949		
Heathrow Terminal 4					0834						0904					0934						1000	
Heathrow Terminals 2 & 3				0824	0839				0854		0909				0924		0939				0954	1006	
Hayes & Harlington		0830		0833	0846		0900		0903		0916		0930		0933		0946		1000		1003	1012	
Southall		0833		0836	0849		0903		0906		0919		0933		0936		0949		1003		1006	1015	
Hanwell				0839	0852				0909		0922				0939		0952				1009	1018	
West Ealing				0841	0854				0911		0924				0941		0954				1011	1020	
Ealing Broadway		0837		0844	0856		0907		0914		0926		0937		0944		0956		1007		1014	1022	
Acton Main Line				0846	0859				0916		0929				0946		0959				1016	1025	
Paddington  Plts A & B	0844		0852	0859	0907	0914		0922	0927	0932	0937	0942	0947	0952	0957	1002	1007	1012	1017	1022	1026	1030	1034
Paddington  Plts 11 & 12		0846					0916																
Bond Street	0847		0855	0902	0910	0917		0925	0930	0935	0940	0945	0950	0955	1000	1005	1010	1015	1020	1025	1029	1033	1037
Tottenham Court Road	0849		0857	0904	0912	0919		0927	0932	0937	0942	0947	0952	0957	1002	1007	1012	1017	1022	1027	1031	1035	1039
Farringdon	0852		0900	0907	0915	0922		0930	0935	0940	0945	0950	0955	1000	1005	1010	1015	1020	1025	1030	1034	1038	1042
Liverpool St  Plts 15–17																							
Liverpool St  Plts A & B	0855		0903	0910	0918	0925		0933	0938	0943	0948	0953	0958	1003	1008	1013	1018	1023	1028	1033	1037	1041	1045
Whitechapel	0857		0905	0912	0920	0927		0935	0940	0945	0950	0955	1000	1005	1010	1015	1020	1025	1030	1035	1039	1043	1047
Canary Wharf	0901			0916		0931			0944	0949		0959	1005		1014	1020		1029	1035		1043		1051
Custom House	0905			0920		0935			0948	0953		1003	1009		1018	1024		1033	1039		1047		1055
Woolwich	0909			0924		0939			0952	0958		1008	1014		1022	1029		1037	1044		1052		1100
Abbey Wood	0914			0929		0944			0957	1003		1012	1019		1026	1034		1041	1049		1056		1104
Stratford			0911		0926			0941			0956			1011			1026			1041		1049	
Maryland			0913		0928			0943			0958			1013			1028			1043		1051	
Forest Gate			0915		0930			0945			1000			1015			1030			1045		1053	
Manor Park			0918		0933			0948			1003			1018			1033			1048		1056	
Ilford			0921		0936			0951			1006			1021			1036			1051		1059	
Seven Kings			0923		0938			0953			1008			1023			1038			1053		1101	
Goodmayes			0925		0940			0955			1010			1025			1040			1055		1103	
Chadwell Heath			0927		0942			0957			1012			1027			1042			1057		1105	
Romford			0931		0946			1001			1016			1031			1046			1101		1109	
Gidea Park			0934		0949			1004			1019			1034			1049			1104		1112	
Harold Wood			0937		0952			1007			1022			1037			1052			1107			
Brentwood			0941		0956			1011			1026			1041			1056			1111			
Shenfield			0945		1000			1015			1030			1045			1100			1115			

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Sundays

[illegible]

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Sundays

Reading								2029								2059							2129	
Twyford								2034								2104							2134	
M Maidenhead				2029				2041					2059			2111		2129					2141	
Taplow								2044								2114							2144	
Burnham				2034				2047					2104			2117		2134					2147	
Slough				2038				2051					2108			2121		2138					2151	
Langley				2042				2055					2112			2125		2142					2155	
Iver				2044									2114					2144					2157	
West Drayton				2047					2100				2117				2131		2147				2201	
Heathrow Terminal 5							2050								2120						2150			
Heathrow Terminal 4		2030				2045				2100				2115			2130				2145			2200
Heathrow Terminals 2 & 3		2036				2051	2055			2106				2121	2125		2136				2151	2155		2206
Hayes & Harlington		2042		2052		2057	2102	2105		2112		2122		2127	2132	2136	2142	2152			2157	2202	2206	2212
Southall		2045		2055		2100		2108		2115		2125		2130		2139	2145	2155			2200		2209	2215
Hanwell		2048				2103				2118				2133			2148				2203			2218
West Ealing		2050				2105	2109			2120				2135	2139		2150				2205	2209		2220
Ealing Broadway		2052		2059		2107	2111	2115		2122		2129		2137	2141	2145	2152	2159			2207	2211	2215	2222
Acton Main Line		2055				2110				2125				2140			2155				2210			2225
Paddington  Plts A & B	2100	2104	2107	2111	2115	2119	2122	2126	2130	2134	2137	2141	2145	2149	2152	2159	2207		2214		2222	2229	2237	
Paddington  Plts 11 & 12																		2211		2218				
Bond Street	2103	2107	2110	2114	2118	2122	2125	2129	2133	2137	2140	2144	2148	2152	2155	2202	2210		2217		2225	2232	2240	
Tottenham Court Road	2105	2109	2112	2116	2120	2124	2127	2131	2135	2139	2142	2146	2150	2154	2157	2204	2212		2219		2227	2234	2242	
Farringdon	2108	2112	2115	2119	2123	2127	2130	2134	2138	2142	2145	2149	2153	2157	2200	2207	2215		2222		2230	2237	2245	
Liverpool St  Plts 15–17																								
Liverpool St  Plts A & B	2111	2115	2118	2122	2126	2130	2133	2137	2141	2145	2148	2152	2156	2200	2203	2210	2218		2225		2233	2240	2248	
Whitechapel	2113	2117	2120	2124	2128	2132	2135	2139	2143	2147	2150	2154	2158	2202	2205	2212	2220		2227		2235	2242	2250	
Canary Wharf		2121		2128		2136		2143		2151		2158		2206		2216			2231				2246	
Custom House		2125		2132		2140		2147		2155		2202		2210		2220			2235				2250	
Woolwich		2130		2137		2145		2152		2200		2207		2215		2224			2239				2254	
Abbey Wood		2134		2141		2149		2156		2204		2211		2219		2228			2243				2258	
Stratford	2119		2126		2134		2141		2149		2156		2204		2211		2226				2241		2256	
Maryland	2121		2128		2136		2143		2151		2158		2206		2213		2228				2243		2258	
Forest Gate	2123		2130		2138		2145		2153		2200		2208		2215		2230				2245		2300	
Manor Park	2126		2133		2141		2148		2156		2203		2211		2218		2233				2248		2303	
Ilford	2129		2136		2144		2151		2159		2206		2214		2221		2236				2251		2306	
Seven Kings	2131		2138		2146		2153		2201		2208		2216		2223		2238				2253		2308	
Goodmayes	2133		2140		2148		2155		2203		2210		2218		2225		2240				2255		2310	
Chadwell Heath	2135		2142		2150		2157		2205		2212		2220		2227		2242				2257		2312	
Romford	2139		2146		2154		2201		2209		2216		2224		2231		2246				2301		2316	
Gidea Park	2142		2149		2157		2204		2212		2219		2227		2234		2249				2304		2319	
Harold Wood			2152				2207				2222				2237		2252				2307		2322	
Brentwood			2156				2211				2226				2241		2256				2311		2326	
Shenfield			2200				2215				2230				2245		2300				2315		2330	

Valid from Sunday 21 May to Saturday 9 December 2023

Elizabeth line – Eastbound

All services shown are operated by Elizabeth line

Sundays

Reading			2159					2229					2259			2316					
Twyford			2204					2235					2304			2321					
Maidenhead			2211					2242					2311			2329					
Taplow			2214					2245					2314			2332					
Burnham			2217					2248					2317			2335					
Slough			2221					2252					2321			2339					
Langley			2225					2256					2325			2342					
Iver			2227					2258					2327			2345					
West Drayton			2230					2301					2330			2348					
Heathrow Terminal 5				2231					2301					2331						0007	
Heathrow Terminal 4		2215				2247					2317					2347					
Heathrow Terminals 2 & 3		2221		2236		2252			2307		2322			2337		2352				0012	
Hayes & Harlington		2227	2235	2242		2300		2305	2314		2330		2334	2344		2355	0002			0019	
Southall		2230	2238	2245		2303		2308	2317		2333		2337	2347		2358	0005			0022	
Hanwell		2233		2248																	
West Ealing		2235		2250																	
Ealing Broadway		2237	2242	2252		2308		2312	2322		2338		2341	2351		0003	0010			0026	
Acton Main Line		2240		2255																	
Paddington  Plts A & B	2244																				
Paddington  Plts 11 & 12		2248	2251	2302		2318		2321	2332		2347		2350	0002		0012	0018			0035	
Bond Street	2247																				
Tottenham Court Road	2249																				
Farringdon	2252																				
Liverpool St  Plts 15–17					2304		2319			2334		2349			0005			0019	0034		0055
Liverpool St  Plts A & B	2255																				
Whitechapel	2257																				
Canary Wharf	2301																				
Custom House	2305																				
Woolwich	2309																				
Abbey Wood	2313																				
Stratford					2311		2326			2341		2356			0012			0026	0041		0102
Maryland					2313		2328			2343		2358			0014			0028	0043		0104
Forest Gate					2315		2330			2345		0001			0016			0030	0045		0106
Manor Park					2318		2333			2348		0003			0019			0033	0048		0109
Ilford					2321		2336			2351		0006			0022			0036	0051		0112
Seven Kings					2323		2338			2353		0008			0024			0038	0053		0114
Goodmayes					2325		2340			2355		0010			0026			0040	0055		0116
Chadwell Heath					2327		2342			2357		0012			0028			0042	0057		0118
Romford					2331		2346			0001		0016			0032			0046	0101		0122
Gidea Park					2334		2349			0004		0019			0035			0049	0104		0125
Harold Wood					2337		2352			0007		0022			0038			0052	0107		0128
Brentwood					2341		2356			0011		0026			0042			0056	0111		0132
Shenfield					2345		0001			0015		0030			0046			0100	0115		0136

Valid from Sunday 21 May to Saturday 9 December 2023

Appendix: G - Census Data

WP703EW - Method of travel to work (2001 specification) (Workplace population)

ONS Crown Copyright Reserved [from Nomis on 25 July 2023]

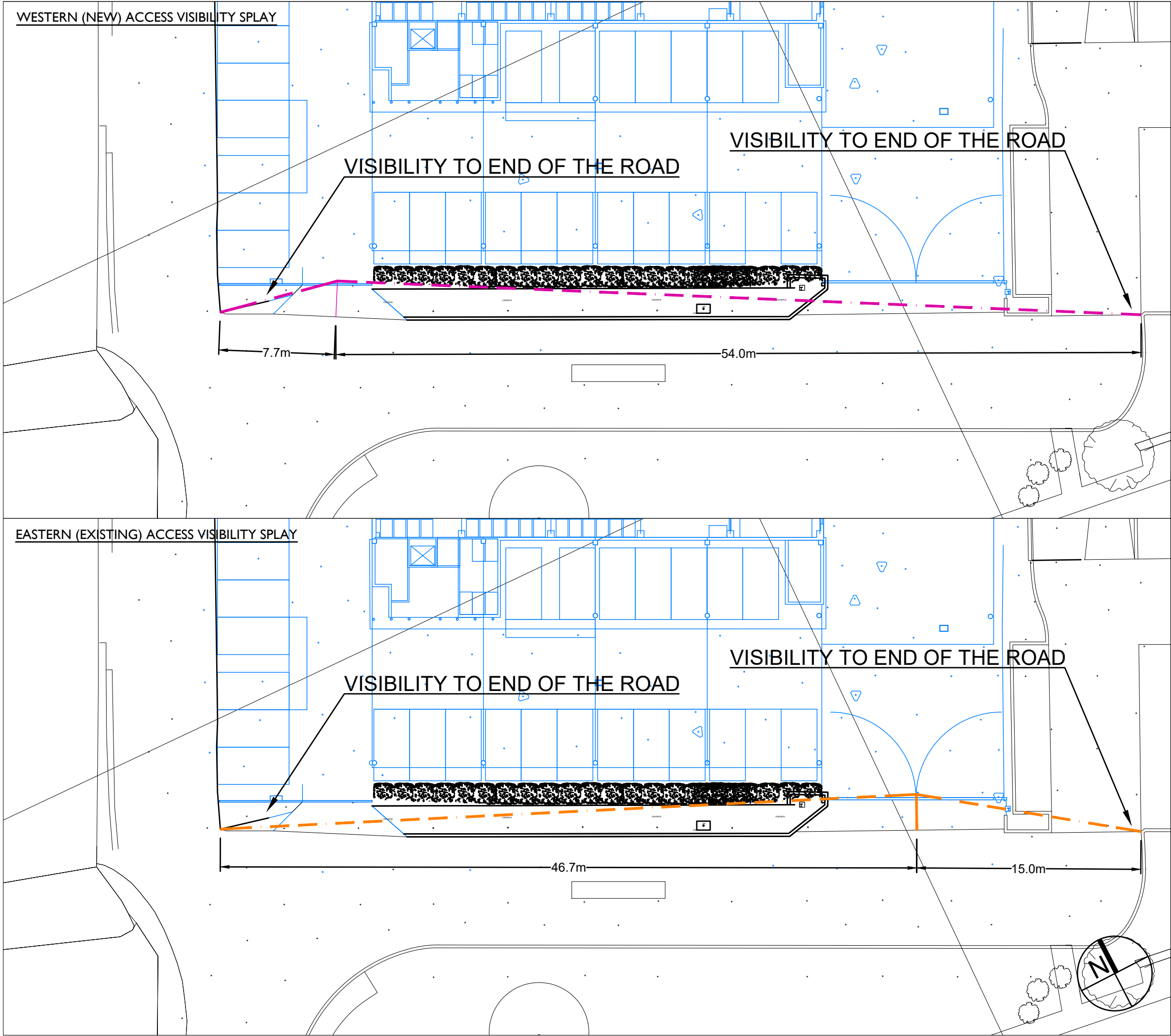
population All usual residents aged 16 to 74 in employment in the area the week before the census
units Persons
date 2011

Method of travel to work	msoa2011:E02000524 : Hillingdon 031	wpzone2011:E33029974	ualad09:Hillingdon	country:England	gor:London
All categories: Method of travel	46,243	343	164,963	25,087,843	4,500,481
Work mainly at or from home	282	0	11,229	2,581,820	380,663
Underground, metro, light rail c	3,207	6	10,061	990,435	896,502
Train	1,456	6	5,222	1,290,591	828,286
Bus, minibus or coach	7,134	22	19,164	1,838,785	542,645
Taxi	57	1	449	119,824	18,848
Motorcycle, scooter or moped	477	3	1,335	200,591	50,867
Driving a car or van	31,186	286	100,602	13,561,447	1,200,320
Passenger in a car or van	1,158	7	5,006	1,230,966	73,983
Bicycle	491	2	2,358	719,919	158,613
On foot	620	10	8,927	2,453,356	330,419
Other method of travel to work	175	0	610	100,109	19,335

In order to protect against disclosure of personal information, records have been swapped between different geographic areas. Some counts will be affected, particularly small counts at the lowest geograph

ries.

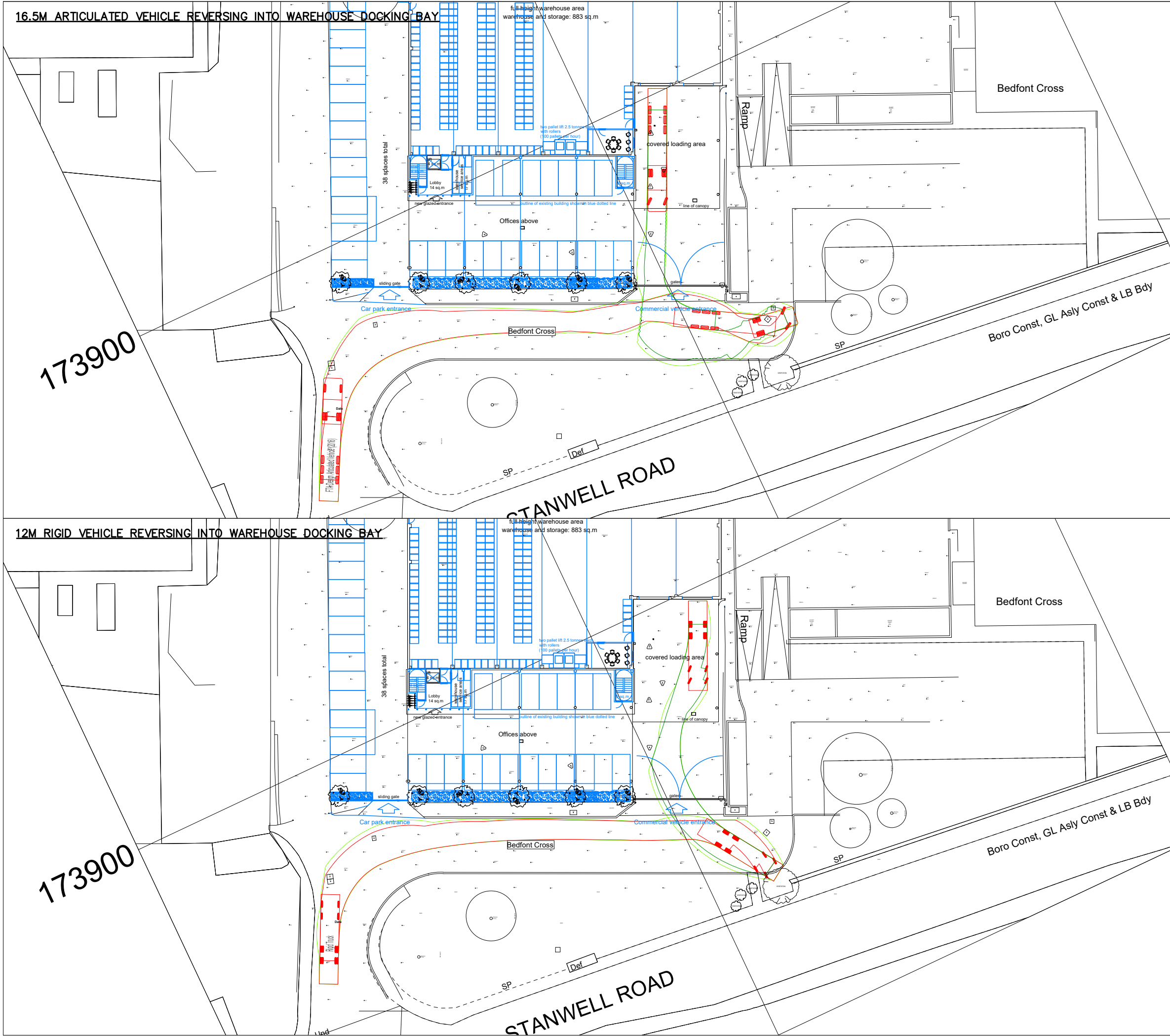
Appendix: H - Visibility Splay



REV	DATE	BY	DESCRIPTION	CKD	APP
DRAWING STATUS:					
FOR INFORMATION					
Ordnance Survey (c) Crown Copyright 2018. All rights reserved. Licence number 100022432					
 1st Floor Millers House, Roydon Road, Stanstead Abbots, SG12 8HN Tel: 01920 871777 www.eastp.co.uk					
CLIENT:					
NNR GLOBAL UK LTD					
ARCHITECT:					
DDWH ARCHITECTS					
PROJECT:					
NNH HOUSE,BEDFONT CROSS, STANWELL ROAD, FELTHAM					
TITLE:					
SITE ACCESS VISIBILTY SPLAY					
SCALE @ A3: 1 : 250		DESIGN-DRAWN: JM		DATE: 28/07/2023	
PROJECT No: 4633		DRAWING No: SK03			



Appendix: I - Swept Path Analysis



VEHICLE TRACKING MODELS:

Rigid Truck
Overall Length 12.000m
Overall Width 2.500m
Overall Body Height 3.928m
Min Body Ground Clearance 0.412m
Track Width 2.471m
Lock to lock time 6.00s
Kerb to Kerb Turning Radius 11.900m

FTA Design Articulated Vehicle (2016)
Overall Length 16.480m
Overall Width 2.550m
Overall Body Height 3.870m
Min Body Ground Clearance 0.515m
Max Track Width 2.470m
Lock to lock time 3.00s
Kerb to Kerb Turning Radius 6.600m

REV	DATE	BY	DESCRIPTION	CKD	APP

DRAWING STATUS:

FOR INFORMATION

Ordnance Survey (c) Crown Copyright 2018. All rights reserved. Licence number 100022432

1st Floor Millers House, Roydon Road, Stanstead Abbots, SG12 8HN
Tel: 01920 871777
www.eastp.co.uk

CLIENT: NNR GLOBAL UK LTD

ARCHITECT: DDWH ARCHITECTS

PROJECT: NNH HOUSE,BEDFONT CROSS,
STANWELL ROAD, FELTHAM

TITLE: SWEPT PATH ANALYSIS OF A
16.5M ARTICULATED VEHICLE & A 12M RIGID VEHICLE
TURNING WITHIN THE SERVICING AREA

SCALE @ A3: 1 : 500	DESIGN-DRAWN: JM	DATE: 28/07/2023
PROJECT No: 4633	DRAWING No: SK02 REV B	



Appendix: J - TRICS Data

Calculation Reference: AUDIT-743101-230727-0730

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT

Category : A - OFFICE

MULTI-MODAL TOTAL VEHICLES

Selected regions and areas:

01 GREATER LONDON

HO HOUNSLOW

1 days

This section displays the number of survey days per TRICS® sub-region in the selected set

Primary Filtering selection:

This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.

Parameter: Gross floor area

Actual Range: 114000 to 114000 (units: sqm)

Range Selected by User: 408 to 114000 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/15 to 28/06/22

*This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.*Selected survey days:

Wednesday 1 days

*This data displays the number of selected surveys by day of the week.*Selected survey types:

Manual count 1 days

Directional ATC Count 0 days

*This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.*Selected Locations:

Suburban Area (PPS6 Out of Centre) 1

*This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.*Selected Location Sub Categories:

No Sub Category 1

*This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.*Inclusion of Servicing Vehicles Counts:

Servicing vehicles Included 5 days - Selected

Servicing vehicles Excluded 1 days - Selected

Secondary Filtering selection:

Use Class:

Not Known

1 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order (England) 2020 has been used for this purpose, which can be found within the Library module of TRICS®.

Filter by Site Operations Breakdown:

All Surveys Included

Population within 500m Range:

All Surveys Included

Population within 1 mile:

25,001 to 50,000

1 days

This data displays the number of selected surveys within stated 1-mile radii of population.

Population within 5 miles:

500,001 or More

1 days

This data displays the number of selected surveys within stated 5-mile radii of population.

Car ownership within 5 miles:

0.6 to 1.0

1 days

This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.

Travel Plan:

Yes

1 days

This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.

PTAL Rating:

1b Very poor

1 days

This data displays the number of selected surveys with PTAL Ratings.

LIST OF SITES relevant to selection parameters

1	HO-02-A-01	SKY HEADQUARTERS	HOUNSLOW
	SYON LANE		
	ISLEWORTH		
	Suburban Area (PPS6 Out of Centre)		
	No Sub Category		
	Total Gross floor area:	120000	sqm
	Survey date: WEDNESDAY	05/07/17	Survey Type: MANUAL

This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
MULTI-MODAL TOTAL VEHICLES
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period
 Total People to Total Vehicles ratio (all time periods and directions): 1.96

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	114000	0.361	1	114000	0.055	1	114000	0.416
07:00 - 08:00	1	114000	0.513	1	114000	0.072	1	114000	0.585
08:00 - 09:00	1	114000	0.659	1	114000	0.097	1	114000	0.756
09:00 - 10:00	1	114000	0.531	1	114000	0.111	1	114000	0.642
10:00 - 11:00	1	114000	0.174	1	114000	0.089	1	114000	0.263
11:00 - 12:00	1	114000	0.107	1	114000	0.064	1	114000	0.171
12:00 - 13:00	1	114000	0.120	1	114000	0.104	1	114000	0.224
13:00 - 14:00	1	114000	0.086	1	114000	0.114	1	114000	0.200
14:00 - 15:00	1	114000	0.082	1	114000	0.106	1	114000	0.188
15:00 - 16:00	1	114000	0.067	1	114000	0.193	1	114000	0.260
16:00 - 17:00	1	114000	0.079	1	114000	0.468	1	114000	0.547
17:00 - 18:00	1	114000	0.082	1	114000	0.720	1	114000	0.802
18:00 - 19:00	1	114000	0.075	1	114000	0.405	1	114000	0.480
19:00 - 20:00	1	114000	0.049	1	114000	0.239	1	114000	0.288
20:00 - 21:00	1	114000	0.038	1	114000	0.094	1	114000	0.132
21:00 - 22:00	1	114000	0.050	1	114000	0.075	1	114000	0.125
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			3.073			3.006			6.079

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

The survey data, graphs and all associated supporting information, contained within the TRICS Database are published by TRICS Consortium Limited ("the Company") and the Company claims copyright and database rights in this published work. The Company authorises those who possess a current TRICS licence to access the TRICS Database and copy the data contained within the TRICS Database for the licence holders' use only. Any resulting copy must retain all copyrights and other proprietary notices, and any disclaimer contained thereon.

The Company accepts no responsibility for loss which may arise from reliance on data contained in the TRICS Database. [No warranty of any kind, express or implied, is made as to the data contained in the TRICS Database.]

Parameter summary

Trip rate parameter range selected:	114000 - 114000 (units: sqm)
Survey date range:	01/01/15 - 28/06/22
Number of weekdays (Monday-Friday):	1
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
 MULTI-MODAL TAXIS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	114000	0.002	1	114000	0.002	1	114000	0.004
07:00 - 08:00	1	114000	0.008	1	114000	0.008	1	114000	0.016
08:00 - 09:00	1	114000	0.025	1	114000	0.022	1	114000	0.047
09:00 - 10:00	1	114000	0.036	1	114000	0.035	1	114000	0.071
10:00 - 11:00	1	114000	0.014	1	114000	0.016	1	114000	0.030
11:00 - 12:00	1	114000	0.011	1	114000	0.004	1	114000	0.015
12:00 - 13:00	1	114000	0.010	1	114000	0.013	1	114000	0.023
13:00 - 14:00	1	114000	0.009	1	114000	0.013	1	114000	0.022
14:00 - 15:00	1	114000	0.009	1	114000	0.005	1	114000	0.014
15:00 - 16:00	1	114000	0.010	1	114000	0.004	1	114000	0.014
16:00 - 17:00	1	114000	0.019	1	114000	0.019	1	114000	0.038
17:00 - 18:00	1	114000	0.008	1	114000	0.015	1	114000	0.023
18:00 - 19:00	1	114000	0.011	1	114000	0.010	1	114000	0.021
19:00 - 20:00	1	114000	0.011	1	114000	0.012	1	114000	0.023
20:00 - 21:00	1	114000	0.007	1	114000	0.007	1	114000	0.014
21:00 - 22:00	1	114000	0.007	1	114000	0.004	1	114000	0.011
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.197			0.189			0.386

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
 MULTI-MODAL OGVS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	114000	0.001	1	114000	0.000	1	114000	0.001
07:00 - 08:00	1	114000	0.003	1	114000	0.002	1	114000	0.005
08:00 - 09:00	1	114000	0.002	1	114000	0.002	1	114000	0.004
09:00 - 10:00	1	114000	0.003	1	114000	0.004	1	114000	0.007
10:00 - 11:00	1	114000	0.002	1	114000	0.002	1	114000	0.004
11:00 - 12:00	1	114000	0.000	1	114000	0.001	1	114000	0.001
12:00 - 13:00	1	114000	0.000	1	114000	0.000	1	114000	0.000
13:00 - 14:00	1	114000	0.000	1	114000	0.000	1	114000	0.000
14:00 - 15:00	1	114000	0.000	1	114000	0.000	1	114000	0.000
15:00 - 16:00	1	114000	0.000	1	114000	0.000	1	114000	0.000
16:00 - 17:00	1	114000	0.000	1	114000	0.000	1	114000	0.000
17:00 - 18:00	1	114000	0.000	1	114000	0.000	1	114000	0.000
18:00 - 19:00	1	114000	0.000	1	114000	0.000	1	114000	0.000
19:00 - 20:00	1	114000	0.000	1	114000	0.000	1	114000	0.000
20:00 - 21:00	1	114000	0.000	1	114000	0.000	1	114000	0.000
21:00 - 22:00	1	114000	0.000	1	114000	0.000	1	114000	0.000
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.011			0.011			0.022

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
 MULTI-MODAL PSVS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	114000	0.003	1	114000	0.004	1	114000	0.007
07:00 - 08:00	1	114000	0.010	1	114000	0.016	1	114000	0.026
08:00 - 09:00	1	114000	0.016	1	114000	0.017	1	114000	0.033
09:00 - 10:00	1	114000	0.018	1	114000	0.018	1	114000	0.036
10:00 - 11:00	1	114000	0.013	1	114000	0.013	1	114000	0.026
11:00 - 12:00	1	114000	0.005	1	114000	0.004	1	114000	0.009
12:00 - 13:00	1	114000	0.004	1	114000	0.004	1	114000	0.008
13:00 - 14:00	1	114000	0.004	1	114000	0.004	1	114000	0.008
14:00 - 15:00	1	114000	0.005	1	114000	0.004	1	114000	0.009
15:00 - 16:00	1	114000	0.005	1	114000	0.006	1	114000	0.011
16:00 - 17:00	1	114000	0.013	1	114000	0.015	1	114000	0.028
17:00 - 18:00	1	114000	0.018	1	114000	0.017	1	114000	0.035
18:00 - 19:00	1	114000	0.017	1	114000	0.016	1	114000	0.033
19:00 - 20:00	1	114000	0.012	1	114000	0.010	1	114000	0.022
20:00 - 21:00	1	114000	0.008	1	114000	0.004	1	114000	0.012
21:00 - 22:00	1	114000	0.004	1	114000	0.004	1	114000	0.008
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.155			0.156			0.311

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
MULTI-MODAL CYCLISTS
Calculation factor: 100 sqm
BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	114000	0.023	1	114000	0.002	1	114000	0.025
07:00 - 08:00	1	114000	0.062	1	114000	0.002	1	114000	0.064
08:00 - 09:00	1	114000	0.110	1	114000	0.000	1	114000	0.110
09:00 - 10:00	1	114000	0.069	1	114000	0.000	1	114000	0.069
10:00 - 11:00	1	114000	0.008	1	114000	0.000	1	114000	0.008
11:00 - 12:00	1	114000	0.004	1	114000	0.000	1	114000	0.004
12:00 - 13:00	1	114000	0.001	1	114000	0.003	1	114000	0.004
13:00 - 14:00	1	114000	0.002	1	114000	0.004	1	114000	0.006
14:00 - 15:00	1	114000	0.003	1	114000	0.006	1	114000	0.009
15:00 - 16:00	1	114000	0.001	1	114000	0.013	1	114000	0.014
16:00 - 17:00	1	114000	0.004	1	114000	0.046	1	114000	0.050
17:00 - 18:00	1	114000	0.002	1	114000	0.099	1	114000	0.101
18:00 - 19:00	1	114000	0.002	1	114000	0.071	1	114000	0.073
19:00 - 20:00	1	114000	0.000	1	114000	0.027	1	114000	0.027
20:00 - 21:00	1	114000	0.000	1	114000	0.011	1	114000	0.011
21:00 - 22:00	1	114000	0.002	1	114000	0.004	1	114000	0.006
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.293			0.288			0.581

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
 MULTI-MODAL VEHICLE OCCUPANTS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	114000	0.368	1	114000	0.049	1	114000	0.417
07:00 - 08:00	1	114000	0.527	1	114000	0.060	1	114000	0.587
08:00 - 09:00	1	114000	0.725	1	114000	0.055	1	114000	0.780
09:00 - 10:00	1	114000	0.560	1	114000	0.053	1	114000	0.613
10:00 - 11:00	1	114000	0.166	1	114000	0.065	1	114000	0.231
11:00 - 12:00	1	114000	0.103	1	114000	0.064	1	114000	0.167
12:00 - 13:00	1	114000	0.117	1	114000	0.107	1	114000	0.224
13:00 - 14:00	1	114000	0.097	1	114000	0.109	1	114000	0.206
14:00 - 15:00	1	114000	0.081	1	114000	0.111	1	114000	0.192
15:00 - 16:00	1	114000	0.058	1	114000	0.208	1	114000	0.266
16:00 - 17:00	1	114000	0.064	1	114000	0.486	1	114000	0.550
17:00 - 18:00	1	114000	0.059	1	114000	0.804	1	114000	0.863
18:00 - 19:00	1	114000	0.062	1	114000	0.446	1	114000	0.508
19:00 - 20:00	1	114000	0.034	1	114000	0.246	1	114000	0.280
20:00 - 21:00	1	114000	0.029	1	114000	0.094	1	114000	0.123
21:00 - 22:00	1	114000	0.043	1	114000	0.075	1	114000	0.118
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			3.093			3.032			6.125

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
 MULTI-MODAL PEDESTRIANS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	114000	0.025	1	114000	0.005	1	114000	0.030
07:00 - 08:00	1	114000	0.026	1	114000	0.012	1	114000	0.038
08:00 - 09:00	1	114000	0.098	1	114000	0.004	1	114000	0.102
09:00 - 10:00	1	114000	0.075	1	114000	0.015	1	114000	0.090
10:00 - 11:00	1	114000	0.025	1	114000	0.023	1	114000	0.048
11:00 - 12:00	1	114000	0.032	1	114000	0.037	1	114000	0.069
12:00 - 13:00	1	114000	0.085	1	114000	0.130	1	114000	0.215
13:00 - 14:00	1	114000	0.096	1	114000	0.082	1	114000	0.178
14:00 - 15:00	1	114000	0.096	1	114000	0.047	1	114000	0.143
15:00 - 16:00	1	114000	0.043	1	114000	0.058	1	114000	0.101
16:00 - 17:00	1	114000	0.024	1	114000	0.052	1	114000	0.076
17:00 - 18:00	1	114000	0.021	1	114000	0.125	1	114000	0.146
18:00 - 19:00	1	114000	0.011	1	114000	0.048	1	114000	0.059
19:00 - 20:00	1	114000	0.005	1	114000	0.036	1	114000	0.041
20:00 - 21:00	1	114000	0.008	1	114000	0.022	1	114000	0.030
21:00 - 22:00	1	114000	0.004	1	114000	0.013	1	114000	0.017
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.674			0.709			1.383

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
 MULTI-MODAL BUS/TRAM PASSENGERS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	114000	0.032	1	114000	0.004	1	114000	0.036
07:00 - 08:00	1	114000	0.021	1	114000	0.023	1	114000	0.044
08:00 - 09:00	1	114000	0.058	1	114000	0.000	1	114000	0.058
09:00 - 10:00	1	114000	0.040	1	114000	0.000	1	114000	0.040
10:00 - 11:00	1	114000	0.014	1	114000	0.002	1	114000	0.016
11:00 - 12:00	1	114000	0.016	1	114000	0.004	1	114000	0.020
12:00 - 13:00	1	114000	0.005	1	114000	0.001	1	114000	0.006
13:00 - 14:00	1	114000	0.007	1	114000	0.000	1	114000	0.007
14:00 - 15:00	1	114000	0.001	1	114000	0.004	1	114000	0.005
15:00 - 16:00	1	114000	0.004	1	114000	0.015	1	114000	0.019
16:00 - 17:00	1	114000	0.000	1	114000	0.025	1	114000	0.025
17:00 - 18:00	1	114000	0.006	1	114000	0.051	1	114000	0.057
18:00 - 19:00	1	114000	0.004	1	114000	0.027	1	114000	0.031
19:00 - 20:00	1	114000	0.007	1	114000	0.023	1	114000	0.030
20:00 - 21:00	1	114000	0.007	1	114000	0.008	1	114000	0.015
21:00 - 22:00	1	114000	0.010	1	114000	0.005	1	114000	0.015
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.232			0.192			0.424

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
 MULTI-MODAL TOTAL RAIL PASSENGERS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	114000	0.028	1	114000	0.006	1	114000	0.034
07:00 - 08:00	1	114000	0.132	1	114000	0.014	1	114000	0.146
08:00 - 09:00	1	114000	0.594	1	114000	0.006	1	114000	0.600
09:00 - 10:00	1	114000	0.499	1	114000	0.004	1	114000	0.503
10:00 - 11:00	1	114000	0.143	1	114000	0.006	1	114000	0.149
11:00 - 12:00	1	114000	0.032	1	114000	0.013	1	114000	0.045
12:00 - 13:00	1	114000	0.051	1	114000	0.014	1	114000	0.065
13:00 - 14:00	1	114000	0.032	1	114000	0.016	1	114000	0.048
14:00 - 15:00	1	114000	0.011	1	114000	0.024	1	114000	0.035
15:00 - 16:00	1	114000	0.008	1	114000	0.059	1	114000	0.067
16:00 - 17:00	1	114000	0.004	1	114000	0.302	1	114000	0.306
17:00 - 18:00	1	114000	0.002	1	114000	0.656	1	114000	0.658
18:00 - 19:00	1	114000	0.008	1	114000	0.300	1	114000	0.308
19:00 - 20:00	1	114000	0.005	1	114000	0.139	1	114000	0.144
20:00 - 21:00	1	114000	0.007	1	114000	0.055	1	114000	0.062
21:00 - 22:00	1	114000	0.002	1	114000	0.015	1	114000	0.017
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.558			1.629			3.187

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
MULTI-MODAL COACH PASSENGERS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	114000	0.000	1	114000	0.000	1	114000	0.000
07:00 - 08:00	1	114000	0.025	1	114000	0.000	1	114000	0.025
08:00 - 09:00	1	114000	0.040	1	114000	0.000	1	114000	0.040
09:00 - 10:00	1	114000	0.028	1	114000	0.000	1	114000	0.028
10:00 - 11:00	1	114000	0.003	1	114000	0.000	1	114000	0.003
11:00 - 12:00	1	114000	0.000	1	114000	0.000	1	114000	0.000
12:00 - 13:00	1	114000	0.000	1	114000	0.000	1	114000	0.000
13:00 - 14:00	1	114000	0.000	1	114000	0.000	1	114000	0.000
14:00 - 15:00	1	114000	0.000	1	114000	0.002	1	114000	0.002
15:00 - 16:00	1	114000	0.000	1	114000	0.004	1	114000	0.004
16:00 - 17:00	1	114000	0.000	1	114000	0.017	1	114000	0.017
17:00 - 18:00	1	114000	0.000	1	114000	0.056	1	114000	0.056
18:00 - 19:00	1	114000	0.001	1	114000	0.026	1	114000	0.027
19:00 - 20:00	1	114000	0.000	1	114000	0.034	1	114000	0.034
20:00 - 21:00	1	114000	0.000	1	114000	0.003	1	114000	0.003
21:00 - 22:00	1	114000	0.000	1	114000	0.000	1	114000	0.000
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.097			0.142			0.239

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
 MULTI-MODAL PUBLIC TRANSPORT USERS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	114000	0.060	1	114000	0.010	1	114000	0.070
07:00 - 08:00	1	114000	0.177	1	114000	0.037	1	114000	0.214
08:00 - 09:00	1	114000	0.692	1	114000	0.006	1	114000	0.698
09:00 - 10:00	1	114000	0.568	1	114000	0.004	1	114000	0.572
10:00 - 11:00	1	114000	0.160	1	114000	0.008	1	114000	0.168
11:00 - 12:00	1	114000	0.047	1	114000	0.018	1	114000	0.065
12:00 - 13:00	1	114000	0.056	1	114000	0.015	1	114000	0.071
13:00 - 14:00	1	114000	0.039	1	114000	0.016	1	114000	0.055
14:00 - 15:00	1	114000	0.011	1	114000	0.029	1	114000	0.040
15:00 - 16:00	1	114000	0.011	1	114000	0.078	1	114000	0.089
16:00 - 17:00	1	114000	0.004	1	114000	0.343	1	114000	0.347
17:00 - 18:00	1	114000	0.008	1	114000	0.763	1	114000	0.771
18:00 - 19:00	1	114000	0.013	1	114000	0.354	1	114000	0.367
19:00 - 20:00	1	114000	0.012	1	114000	0.196	1	114000	0.208
20:00 - 21:00	1	114000	0.014	1	114000	0.066	1	114000	0.080
21:00 - 22:00	1	114000	0.011	1	114000	0.020	1	114000	0.031
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.883			1.963			3.846

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
MULTI-MODAL TOTAL PEOPLE
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period
 Total People to Total Vehicles ratio (all time periods and directions): 1.96

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	114000	0.475	1	114000	0.066	1	114000	0.541
07:00 - 08:00	1	114000	0.793	1	114000	0.111	1	114000	0.904
08:00 - 09:00	1	114000	1.625	1	114000	0.066	1	114000	1.691
09:00 - 10:00	1	114000	1.271	1	114000	0.072	1	114000	1.343
10:00 - 11:00	1	114000	0.359	1	114000	0.096	1	114000	0.455
11:00 - 12:00	1	114000	0.185	1	114000	0.118	1	114000	0.303
12:00 - 13:00	1	114000	0.259	1	114000	0.254	1	114000	0.513
13:00 - 14:00	1	114000	0.235	1	114000	0.211	1	114000	0.446
14:00 - 15:00	1	114000	0.190	1	114000	0.194	1	114000	0.384
15:00 - 16:00	1	114000	0.113	1	114000	0.357	1	114000	0.470
16:00 - 17:00	1	114000	0.095	1	114000	0.926	1	114000	1.021
17:00 - 18:00	1	114000	0.089	1	114000	1.790	1	114000	1.879
18:00 - 19:00	1	114000	0.088	1	114000	0.919	1	114000	1.007
19:00 - 20:00	1	114000	0.052	1	114000	0.505	1	114000	0.557
20:00 - 21:00	1	114000	0.051	1	114000	0.192	1	114000	0.243
21:00 - 22:00	1	114000	0.061	1	114000	0.111	1	114000	0.172
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			5.941			5.988			11.929

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
MULTI-MODAL CARS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	114000	0.330	1	114000	0.043	1	114000	0.373
07:00 - 08:00	1	114000	0.473	1	114000	0.037	1	114000	0.510
08:00 - 09:00	1	114000	0.561	1	114000	0.049	1	114000	0.610
09:00 - 10:00	1	114000	0.439	1	114000	0.046	1	114000	0.485
10:00 - 11:00	1	114000	0.116	1	114000	0.036	1	114000	0.152
11:00 - 12:00	1	114000	0.072	1	114000	0.044	1	114000	0.116
12:00 - 13:00	1	114000	0.087	1	114000	0.072	1	114000	0.159
13:00 - 14:00	1	114000	0.061	1	114000	0.082	1	114000	0.143
14:00 - 15:00	1	114000	0.054	1	114000	0.078	1	114000	0.132
15:00 - 16:00	1	114000	0.046	1	114000	0.166	1	114000	0.212
16:00 - 17:00	1	114000	0.039	1	114000	0.400	1	114000	0.439
17:00 - 18:00	1	114000	0.055	1	114000	0.643	1	114000	0.698
18:00 - 19:00	1	114000	0.044	1	114000	0.355	1	114000	0.399
19:00 - 20:00	1	114000	0.026	1	114000	0.204	1	114000	0.230
20:00 - 21:00	1	114000	0.023	1	114000	0.076	1	114000	0.099
21:00 - 22:00	1	114000	0.032	1	114000	0.061	1	114000	0.093
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.458			2.392			4.850

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
MULTI-MODAL LGVS
Calculation factor: 100 sqm
BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	114000	0.011	1	114000	0.005	1	114000	0.016
07:00 - 08:00	1	114000	0.012	1	114000	0.007	1	114000	0.019
08:00 - 09:00	1	114000	0.013	1	114000	0.007	1	114000	0.020
09:00 - 10:00	1	114000	0.007	1	114000	0.008	1	114000	0.015
10:00 - 11:00	1	114000	0.023	1	114000	0.018	1	114000	0.041
11:00 - 12:00	1	114000	0.013	1	114000	0.011	1	114000	0.024
12:00 - 13:00	1	114000	0.018	1	114000	0.012	1	114000	0.030
13:00 - 14:00	1	114000	0.009	1	114000	0.010	1	114000	0.019
14:00 - 15:00	1	114000	0.008	1	114000	0.012	1	114000	0.020
15:00 - 16:00	1	114000	0.004	1	114000	0.011	1	114000	0.015
16:00 - 17:00	1	114000	0.007	1	114000	0.018	1	114000	0.025
17:00 - 18:00	1	114000	0.001	1	114000	0.008	1	114000	0.009
18:00 - 19:00	1	114000	0.003	1	114000	0.003	1	114000	0.006
19:00 - 20:00	1	114000	0.000	1	114000	0.002	1	114000	0.002
20:00 - 21:00	1	114000	0.000	1	114000	0.002	1	114000	0.002
21:00 - 22:00	1	114000	0.002	1	114000	0.002	1	114000	0.004
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.131			0.136			0.267

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
 MULTI-MODAL MOTOR CYCLES
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	114000	0.014	1	114000	0.002	1	114000	0.016
07:00 - 08:00	1	114000	0.008	1	114000	0.003	1	114000	0.011
08:00 - 09:00	1	114000	0.042	1	114000	0.001	1	114000	0.043
09:00 - 10:00	1	114000	0.027	1	114000	0.000	1	114000	0.027
10:00 - 11:00	1	114000	0.006	1	114000	0.005	1	114000	0.011
11:00 - 12:00	1	114000	0.006	1	114000	0.000	1	114000	0.006
12:00 - 13:00	1	114000	0.001	1	114000	0.003	1	114000	0.004
13:00 - 14:00	1	114000	0.004	1	114000	0.006	1	114000	0.010
14:00 - 15:00	1	114000	0.006	1	114000	0.006	1	114000	0.012
15:00 - 16:00	1	114000	0.002	1	114000	0.005	1	114000	0.007
16:00 - 17:00	1	114000	0.000	1	114000	0.016	1	114000	0.016
17:00 - 18:00	1	114000	0.001	1	114000	0.038	1	114000	0.039
18:00 - 19:00	1	114000	0.002	1	114000	0.022	1	114000	0.024
19:00 - 20:00	1	114000	0.000	1	114000	0.011	1	114000	0.011
20:00 - 21:00	1	114000	0.000	1	114000	0.004	1	114000	0.004
21:00 - 22:00	1	114000	0.004	1	114000	0.004	1	114000	0.008
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.123			0.126			0.249

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
 MULTI-MODAL Underground Passengers
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	114000	0.020	1	114000	0.003	1	114000	0.023
07:00 - 08:00	1	114000	0.033	1	114000	0.007	1	114000	0.040
08:00 - 09:00	1	114000	0.174	1	114000	0.002	1	114000	0.176
09:00 - 10:00	1	114000	0.127	1	114000	0.002	1	114000	0.129
10:00 - 11:00	1	114000	0.042	1	114000	0.001	1	114000	0.043
11:00 - 12:00	1	114000	0.006	1	114000	0.004	1	114000	0.010
12:00 - 13:00	1	114000	0.030	1	114000	0.001	1	114000	0.031
13:00 - 14:00	1	114000	0.004	1	114000	0.005	1	114000	0.009
14:00 - 15:00	1	114000	0.001	1	114000	0.004	1	114000	0.005
15:00 - 16:00	1	114000	0.003	1	114000	0.018	1	114000	0.021
16:00 - 17:00	1	114000	0.002	1	114000	0.088	1	114000	0.090
17:00 - 18:00	1	114000	0.001	1	114000	0.210	1	114000	0.211
18:00 - 19:00	1	114000	0.005	1	114000	0.092	1	114000	0.097
19:00 - 20:00	1	114000	0.001	1	114000	0.036	1	114000	0.037
20:00 - 21:00	1	114000	0.001	1	114000	0.013	1	114000	0.014
21:00 - 22:00	1	114000	0.000	1	114000	0.006	1	114000	0.006
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.450			0.492			0.942

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
MULTI-MODAL Overground Passengers
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	114000	0.004	1	114000	0.002	1	114000	0.006
07:00 - 08:00	1	114000	0.016	1	114000	0.001	1	114000	0.017
08:00 - 09:00	1	114000	0.082	1	114000	0.000	1	114000	0.082
09:00 - 10:00	1	114000	0.039	1	114000	0.000	1	114000	0.039
10:00 - 11:00	1	114000	0.004	1	114000	0.002	1	114000	0.006
11:00 - 12:00	1	114000	0.000	1	114000	0.001	1	114000	0.001
12:00 - 13:00	1	114000	0.001	1	114000	0.000	1	114000	0.001
13:00 - 14:00	1	114000	0.000	1	114000	0.001	1	114000	0.001
14:00 - 15:00	1	114000	0.002	1	114000	0.000	1	114000	0.002
15:00 - 16:00	1	114000	0.000	1	114000	0.005	1	114000	0.005
16:00 - 17:00	1	114000	0.000	1	114000	0.018	1	114000	0.018
17:00 - 18:00	1	114000	0.000	1	114000	0.039	1	114000	0.039
18:00 - 19:00	1	114000	0.000	1	114000	0.023	1	114000	0.023
19:00 - 20:00	1	114000	0.000	1	114000	0.008	1	114000	0.008
20:00 - 21:00	1	114000	0.000	1	114000	0.001	1	114000	0.001
21:00 - 22:00	1	114000	0.000	1	114000	0.000	1	114000	0.000
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.148			0.101			0.249

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
 MULTI-MODAL National Rail Passengers
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	114000	0.004	1	114000	0.002	1	114000	0.006
07:00 - 08:00	1	114000	0.082	1	114000	0.006	1	114000	0.088
08:00 - 09:00	1	114000	0.338	1	114000	0.004	1	114000	0.342
09:00 - 10:00	1	114000	0.333	1	114000	0.003	1	114000	0.336
10:00 - 11:00	1	114000	0.097	1	114000	0.004	1	114000	0.101
11:00 - 12:00	1	114000	0.025	1	114000	0.009	1	114000	0.034
12:00 - 13:00	1	114000	0.020	1	114000	0.013	1	114000	0.033
13:00 - 14:00	1	114000	0.028	1	114000	0.010	1	114000	0.038
14:00 - 15:00	1	114000	0.008	1	114000	0.020	1	114000	0.028
15:00 - 16:00	1	114000	0.005	1	114000	0.036	1	114000	0.041
16:00 - 17:00	1	114000	0.002	1	114000	0.196	1	114000	0.198
17:00 - 18:00	1	114000	0.001	1	114000	0.407	1	114000	0.408
18:00 - 19:00	1	114000	0.003	1	114000	0.185	1	114000	0.188
19:00 - 20:00	1	114000	0.004	1	114000	0.095	1	114000	0.099
20:00 - 21:00	1	114000	0.006	1	114000	0.041	1	114000	0.047
21:00 - 22:00	1	114000	0.002	1	114000	0.009	1	114000	0.011
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.958			1.040			1.998

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
 MULTI-MODAL Bus Passengers
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	114000	0.032	1	114000	0.004	1	114000	0.036
07:00 - 08:00	1	114000	0.021	1	114000	0.023	1	114000	0.044
08:00 - 09:00	1	114000	0.058	1	114000	0.000	1	114000	0.058
09:00 - 10:00	1	114000	0.040	1	114000	0.000	1	114000	0.040
10:00 - 11:00	1	114000	0.014	1	114000	0.002	1	114000	0.016
11:00 - 12:00	1	114000	0.016	1	114000	0.004	1	114000	0.020
12:00 - 13:00	1	114000	0.005	1	114000	0.001	1	114000	0.006
13:00 - 14:00	1	114000	0.007	1	114000	0.000	1	114000	0.007
14:00 - 15:00	1	114000	0.001	1	114000	0.004	1	114000	0.005
15:00 - 16:00	1	114000	0.004	1	114000	0.015	1	114000	0.019
16:00 - 17:00	1	114000	0.000	1	114000	0.025	1	114000	0.025
17:00 - 18:00	1	114000	0.006	1	114000	0.051	1	114000	0.057
18:00 - 19:00	1	114000	0.004	1	114000	0.027	1	114000	0.031
19:00 - 20:00	1	114000	0.007	1	114000	0.023	1	114000	0.030
20:00 - 21:00	1	114000	0.007	1	114000	0.008	1	114000	0.015
21:00 - 22:00	1	114000	0.010	1	114000	0.005	1	114000	0.015
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.232			0.192			0.424

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE
MULTI-MODAL Servicing Vehicles
Calculation factor: 100 sqm
BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	114000	0.012	1	114000	0.005	1	114000	0.017
07:00 - 08:00	1	114000	0.015	1	114000	0.009	1	114000	0.024
08:00 - 09:00	1	114000	0.014	1	114000	0.009	1	114000	0.023
09:00 - 10:00	1	114000	0.010	1	114000	0.011	1	114000	0.021
10:00 - 11:00	1	114000	0.025	1	114000	0.019	1	114000	0.044
11:00 - 12:00	1	114000	0.013	1	114000	0.012	1	114000	0.025
12:00 - 13:00	1	114000	0.018	1	114000	0.012	1	114000	0.030
13:00 - 14:00	1	114000	0.009	1	114000	0.010	1	114000	0.019
14:00 - 15:00	1	114000	0.008	1	114000	0.012	1	114000	0.020
15:00 - 16:00	1	114000	0.004	1	114000	0.011	1	114000	0.015
16:00 - 17:00	1	114000	0.007	1	114000	0.018	1	114000	0.025
17:00 - 18:00	1	114000	0.001	1	114000	0.008	1	114000	0.009
18:00 - 19:00	1	114000	0.003	1	114000	0.003	1	114000	0.006
19:00 - 20:00	1	114000	0.000	1	114000	0.002	1	114000	0.002
20:00 - 21:00	1	114000	0.000	1	114000	0.002	1	114000	0.002
21:00 - 22:00	1	114000	0.002	1	114000	0.002	1	114000	0.004
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.141			0.145			0.286

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

Calculation Reference: AUDIT-743101-230727-0716

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT
 Category : F - WAREHOUSING (COMMERCIAL)
 MULTI-MODAL TOTAL VEHICLES

Selected regions and areas:

01	GREATER LONDON	
BE	BEXLEY	1 days
HD	HILLINGDON	1 days
HO	HOUNSLOW	1 days

This section displays the number of survey days per TRICS® sub-region in the selected set

Primary Filtering selection:

This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.

Parameter: Gross floor area
 Actual Range: 8673 to 20400 (units: sqm)
 Range Selected by User: 8673 to 20400 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/15 to 27/09/18

This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.

Selected survey days:

Wednesday	1 days
Thursday	2 days

This data displays the number of selected surveys by day of the week.

Selected survey types:

Manual count	3 days
Directional ATC Count	0 days

This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.

Selected Locations:

Suburban Area (PPS6 Out of Centre)	1
Edge of Town	2

This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.

Selected Location Sub Categories:

Industrial Zone	3
-----------------	---

This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.

Inclusion of Servicing Vehicles Counts:

Servicing vehicles Included	3 days - Selected
Servicing vehicles Excluded	X days - Selected

Secondary Filtering selection:

Use Class:

n/a	1 days
B8	2 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order (England) 2020 has been used for this purpose, which can be found within the Library module of TRICS®.

Filter by Site Operations Breakdown:

All Surveys Included

Population within 500m Range:

All Surveys Included

Population within 1 mile:

20,001 to 25,000	1 days
25,001 to 50,000	2 days

This data displays the number of selected surveys within stated 1-mile radii of population.

Population within 5 miles:

250,001 to 500,000	1 days
500,001 or More	2 days

This data displays the number of selected surveys within stated 5-mile radii of population.

Car ownership within 5 miles:

0.6 to 1.0	2 days
1.1 to 1.5	1 days

This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.

Travel Plan:

Yes	2 days
No	1 days

This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.

PTAL Rating:

1a (Low) Very poor	1 days
1b Very poor	1 days
2 Poor	1 days

This data displays the number of selected surveys with PTAL Ratings.

LIST OF SITES relevant to selection parameters

1	BE-02-F-01 THAMES ROAD CRAYFORD	FRESH FRUIT DISTRIBUTOR	BEXLEY
	Edge of Town Industrial Zone Total Gross floor area: 20400 sqm Survey date: THURSDAY 20/09/18		Survey Type: MANUAL
2	HD-02-F-01 NINE ACRES CLOSE HAYES	FOOD DISTRIBUTOR	HILLINGDON
	Edge of Town Industrial Zone Total Gross floor area: 8673 sqm Survey date: THURSDAY 27/09/18		Survey Type: MANUAL
3	HO-02-F-01 ASCOT ROAD FELTHAM	LOGISTICS AND FREIGHT	HOUNSLOW
	Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: 13500 sqm Survey date: WEDNESDAY 23/11/16		Survey Type: MANUAL

This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
MULTI-MODAL TOTAL VEHICLES
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period
 Total People to Total Vehicles ratio (all time periods and directions): 1.45

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	14191	0.258	3	14191	0.094	3	14191	0.352
08:00 - 09:00	3	14191	0.406	3	14191	0.101	3	14191	0.507
09:00 - 10:00	3	14191	0.209	3	14191	0.115	3	14191	0.324
10:00 - 11:00	3	14191	0.136	3	14191	0.136	3	14191	0.272
11:00 - 12:00	3	14191	0.174	3	14191	0.186	3	14191	0.360
12:00 - 13:00	3	14191	0.188	3	14191	0.254	3	14191	0.442
13:00 - 14:00	3	14191	0.237	3	14191	0.193	3	14191	0.430
14:00 - 15:00	3	14191	0.139	3	14191	0.155	3	14191	0.294
15:00 - 16:00	3	14191	0.143	3	14191	0.169	3	14191	0.312
16:00 - 17:00	3	14191	0.148	3	14191	0.214	3	14191	0.362
17:00 - 18:00	3	14191	0.164	3	14191	0.458	3	14191	0.622
18:00 - 19:00	3	14191	0.167	3	14191	0.247	3	14191	0.414
19:00 - 20:00	1	20400	0.044	1	20400	0.230	1	20400	0.274
20:00 - 21:00	1	20400	0.020	1	20400	0.029	1	20400	0.049
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.433			2.581			5.014

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

The survey data, graphs and all associated supporting information, contained within the TRICS Database are published by TRICS Consortium Limited ("the Company") and the Company claims copyright and database rights in this published work. The Company authorises those who possess a current TRICS licence to access the TRICS Database and copy the data contained within the TRICS Database for the licence holders' use only. Any resulting copy must retain all copyrights and other proprietary notices, and any disclaimer contained thereon.

The Company accepts no responsibility for loss which may arise from reliance on data contained in the TRICS Database. [No warranty of any kind, express or implied, is made as to the data contained in the TRICS Database.]

Parameter summary

Trip rate parameter range selected:	8673 - 20400 (units: sqm)
Survey date range:	01/01/15 - 27/09/18
Number of weekdays (Monday-Friday):	3
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
MULTI-MODAL TAXIS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
08:00 - 09:00	3	14191	0.005	3	14191	0.005	3	14191	0.010
09:00 - 10:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
10:00 - 11:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
11:00 - 12:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
12:00 - 13:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
13:00 - 14:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
14:00 - 15:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
15:00 - 16:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
16:00 - 17:00	3	14191	0.002	3	14191	0.002	3	14191	0.004
17:00 - 18:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
18:00 - 19:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
19:00 - 20:00	1	20400	0.000	1	20400	0.000	1	20400	0.000
20:00 - 21:00	1	20400	0.000	1	20400	0.000	1	20400	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.007			0.007			0.014

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
 MULTI-MODAL OGVS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	14191	0.040	3	14191	0.047	3	14191	0.087
08:00 - 09:00	3	14191	0.031	3	14191	0.038	3	14191	0.069
09:00 - 10:00	3	14191	0.049	3	14191	0.045	3	14191	0.094
10:00 - 11:00	3	14191	0.035	3	14191	0.049	3	14191	0.084
11:00 - 12:00	3	14191	0.042	3	14191	0.033	3	14191	0.075
12:00 - 13:00	3	14191	0.045	3	14191	0.049	3	14191	0.094
13:00 - 14:00	3	14191	0.052	3	14191	0.049	3	14191	0.101
14:00 - 15:00	3	14191	0.045	3	14191	0.033	3	14191	0.078
15:00 - 16:00	3	14191	0.038	3	14191	0.040	3	14191	0.078
16:00 - 17:00	3	14191	0.038	3	14191	0.028	3	14191	0.066
17:00 - 18:00	3	14191	0.031	3	14191	0.038	3	14191	0.069
18:00 - 19:00	3	14191	0.028	3	14191	0.019	3	14191	0.047
19:00 - 20:00	1	20400	0.020	1	20400	0.034	1	20400	0.054
20:00 - 21:00	1	20400	0.020	1	20400	0.005	1	20400	0.025
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.514			0.507			1.021

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
 MULTI-MODAL PSVS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
08:00 - 09:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
09:00 - 10:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
10:00 - 11:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
11:00 - 12:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
12:00 - 13:00	3	14191	0.005	3	14191	0.005	3	14191	0.010
13:00 - 14:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
14:00 - 15:00	3	14191	0.002	3	14191	0.002	3	14191	0.004
15:00 - 16:00	3	14191	0.002	3	14191	0.002	3	14191	0.004
16:00 - 17:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
17:00 - 18:00	3	14191	0.007	3	14191	0.005	3	14191	0.012
18:00 - 19:00	3	14191	0.000	3	14191	0.002	3	14191	0.002
19:00 - 20:00	1	20400	0.000	1	20400	0.000	1	20400	0.000
20:00 - 21:00	1	20400	0.000	1	20400	0.000	1	20400	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.016			0.016			0.032

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
 MULTI-MODAL CYCLISTS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	14191	0.007	3	14191	0.002	3	14191	0.009
08:00 - 09:00	3	14191	0.009	3	14191	0.000	3	14191	0.009
09:00 - 10:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
10:00 - 11:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
11:00 - 12:00	3	14191	0.005	3	14191	0.000	3	14191	0.005
12:00 - 13:00	3	14191	0.002	3	14191	0.000	3	14191	0.002
13:00 - 14:00	3	14191	0.005	3	14191	0.005	3	14191	0.010
14:00 - 15:00	3	14191	0.009	3	14191	0.000	3	14191	0.009
15:00 - 16:00	3	14191	0.000	3	14191	0.007	3	14191	0.007
16:00 - 17:00	3	14191	0.014	3	14191	0.026	3	14191	0.040
17:00 - 18:00	3	14191	0.005	3	14191	0.012	3	14191	0.017
18:00 - 19:00	3	14191	0.009	3	14191	0.007	3	14191	0.016
19:00 - 20:00	1	20400	0.000	1	20400	0.000	1	20400	0.000
20:00 - 21:00	1	20400	0.000	1	20400	0.005	1	20400	0.005
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.065			0.064			0.129

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
 MULTI-MODAL VEHICLE OCCUPANTS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	14191	0.301	3	14191	0.103	3	14191	0.404
08:00 - 09:00	3	14191	0.477	3	14191	0.110	3	14191	0.587
09:00 - 10:00	3	14191	0.235	3	14191	0.129	3	14191	0.364
10:00 - 11:00	3	14191	0.157	3	14191	0.162	3	14191	0.319
11:00 - 12:00	3	14191	0.200	3	14191	0.207	3	14191	0.407
12:00 - 13:00	3	14191	0.223	3	14191	0.303	3	14191	0.526
13:00 - 14:00	3	14191	0.287	3	14191	0.216	3	14191	0.503
14:00 - 15:00	3	14191	0.171	3	14191	0.171	3	14191	0.342
15:00 - 16:00	3	14191	0.162	3	14191	0.202	3	14191	0.364
16:00 - 17:00	3	14191	0.157	3	14191	0.258	3	14191	0.415
17:00 - 18:00	3	14191	0.188	3	14191	0.531	3	14191	0.719
18:00 - 19:00	3	14191	0.188	3	14191	0.289	3	14191	0.477
19:00 - 20:00	1	20400	0.059	1	20400	0.275	1	20400	0.334
20:00 - 21:00	1	20400	0.020	1	20400	0.034	1	20400	0.054
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.825			2.990			5.815

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
MULTI-MODAL PEDESTRIANS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	14191	0.031	3	14191	0.005	3	14191	0.036
08:00 - 09:00	3	14191	0.038	3	14191	0.012	3	14191	0.050
09:00 - 10:00	3	14191	0.031	3	14191	0.007	3	14191	0.038
10:00 - 11:00	3	14191	0.026	3	14191	0.012	3	14191	0.038
11:00 - 12:00	3	14191	0.012	3	14191	0.019	3	14191	0.031
12:00 - 13:00	3	14191	0.028	3	14191	0.049	3	14191	0.077
13:00 - 14:00	3	14191	0.026	3	14191	0.033	3	14191	0.059
14:00 - 15:00	3	14191	0.012	3	14191	0.009	3	14191	0.021
15:00 - 16:00	3	14191	0.009	3	14191	0.014	3	14191	0.023
16:00 - 17:00	3	14191	0.019	3	14191	0.021	3	14191	0.040
17:00 - 18:00	3	14191	0.014	3	14191	0.047	3	14191	0.061
18:00 - 19:00	3	14191	0.005	3	14191	0.009	3	14191	0.014
19:00 - 20:00	1	20400	0.000	1	20400	0.010	1	20400	0.010
20:00 - 21:00	1	20400	0.000	1	20400	0.010	1	20400	0.010
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.251			0.257			0.508

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
 MULTI-MODAL BUS/TRAM PASSENGERS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	14191	0.033	3	14191	0.000	3	14191	0.033
08:00 - 09:00	3	14191	0.068	3	14191	0.005	3	14191	0.073
09:00 - 10:00	3	14191	0.014	3	14191	0.002	3	14191	0.016
10:00 - 11:00	3	14191	0.014	3	14191	0.007	3	14191	0.021
11:00 - 12:00	3	14191	0.007	3	14191	0.002	3	14191	0.009
12:00 - 13:00	3	14191	0.026	3	14191	0.019	3	14191	0.045
13:00 - 14:00	3	14191	0.026	3	14191	0.031	3	14191	0.057
14:00 - 15:00	3	14191	0.009	3	14191	0.019	3	14191	0.028
15:00 - 16:00	3	14191	0.002	3	14191	0.016	3	14191	0.018
16:00 - 17:00	3	14191	0.026	3	14191	0.059	3	14191	0.085
17:00 - 18:00	3	14191	0.019	3	14191	0.061	3	14191	0.080
18:00 - 19:00	3	14191	0.005	3	14191	0.014	3	14191	0.019
19:00 - 20:00	1	20400	0.000	1	20400	0.010	1	20400	0.010
20:00 - 21:00	1	20400	0.000	1	20400	0.000	1	20400	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.249			0.245			0.494

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
 MULTI-MODAL TOTAL RAIL PASSENGERS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	14191	0.005	3	14191	0.000	3	14191	0.005
08:00 - 09:00	3	14191	0.023	3	14191	0.000	3	14191	0.023
09:00 - 10:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
10:00 - 11:00	3	14191	0.007	3	14191	0.002	3	14191	0.009
11:00 - 12:00	3	14191	0.009	3	14191	0.000	3	14191	0.009
12:00 - 13:00	3	14191	0.005	3	14191	0.007	3	14191	0.012
13:00 - 14:00	3	14191	0.005	3	14191	0.007	3	14191	0.012
14:00 - 15:00	3	14191	0.002	3	14191	0.009	3	14191	0.011
15:00 - 16:00	3	14191	0.000	3	14191	0.002	3	14191	0.002
16:00 - 17:00	3	14191	0.000	3	14191	0.009	3	14191	0.009
17:00 - 18:00	3	14191	0.007	3	14191	0.019	3	14191	0.026
18:00 - 19:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
19:00 - 20:00	1	20400	0.000	1	20400	0.000	1	20400	0.000
20:00 - 21:00	1	20400	0.000	1	20400	0.000	1	20400	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.063			0.055			0.118

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
 MULTI-MODAL COACH PASSENGERS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
08:00 - 09:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
09:00 - 10:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
10:00 - 11:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
11:00 - 12:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
12:00 - 13:00	3	14191	0.033	3	14191	0.035	3	14191	0.068
13:00 - 14:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
14:00 - 15:00	3	14191	0.012	3	14191	0.023	3	14191	0.035
15:00 - 16:00	3	14191	0.009	3	14191	0.012	3	14191	0.021
16:00 - 17:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
17:00 - 18:00	3	14191	0.026	3	14191	0.012	3	14191	0.038
18:00 - 19:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
19:00 - 20:00	1	20400	0.000	1	20400	0.000	1	20400	0.000
20:00 - 21:00	1	20400	0.000	1	20400	0.000	1	20400	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.080			0.082			0.162

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
 MULTI-MODAL PUBLIC TRANSPORT USERS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	14191	0.038	3	14191	0.000	3	14191	0.038
08:00 - 09:00	3	14191	0.092	3	14191	0.005	3	14191	0.097
09:00 - 10:00	3	14191	0.014	3	14191	0.002	3	14191	0.016
10:00 - 11:00	3	14191	0.021	3	14191	0.009	3	14191	0.030
11:00 - 12:00	3	14191	0.016	3	14191	0.002	3	14191	0.018
12:00 - 13:00	3	14191	0.063	3	14191	0.061	3	14191	0.124
13:00 - 14:00	3	14191	0.031	3	14191	0.038	3	14191	0.069
14:00 - 15:00	3	14191	0.023	3	14191	0.052	3	14191	0.075
15:00 - 16:00	3	14191	0.012	3	14191	0.031	3	14191	0.043
16:00 - 17:00	3	14191	0.026	3	14191	0.068	3	14191	0.094
17:00 - 18:00	3	14191	0.052	3	14191	0.092	3	14191	0.144
18:00 - 19:00	3	14191	0.005	3	14191	0.014	3	14191	0.019
19:00 - 20:00	1	20400	0.000	1	20400	0.010	1	20400	0.010
20:00 - 21:00	1	20400	0.000	1	20400	0.000	1	20400	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.393			0.384			0.777

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
MULTI-MODAL TOTAL PEOPLE
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period
 Total People to Total Vehicles ratio (all time periods and directions): 1.45

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	14191	0.376	3	14191	0.110	3	14191	0.486
08:00 - 09:00	3	14191	0.615	3	14191	0.127	3	14191	0.742
09:00 - 10:00	3	14191	0.280	3	14191	0.139	3	14191	0.419
10:00 - 11:00	3	14191	0.204	3	14191	0.183	3	14191	0.387
11:00 - 12:00	3	14191	0.233	3	14191	0.228	3	14191	0.461
12:00 - 13:00	3	14191	0.317	3	14191	0.413	3	14191	0.730
13:00 - 14:00	3	14191	0.348	3	14191	0.291	3	14191	0.639
14:00 - 15:00	3	14191	0.216	3	14191	0.233	3	14191	0.449
15:00 - 16:00	3	14191	0.183	3	14191	0.254	3	14191	0.437
16:00 - 17:00	3	14191	0.216	3	14191	0.373	3	14191	0.589
17:00 - 18:00	3	14191	0.258	3	14191	0.681	3	14191	0.939
18:00 - 19:00	3	14191	0.207	3	14191	0.319	3	14191	0.526
19:00 - 20:00	1	20400	0.059	1	20400	0.294	1	20400	0.353
20:00 - 21:00	1	20400	0.020	1	20400	0.049	1	20400	0.069
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			3.532			3.694			7.226

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
MULTI-MODAL CARS
Calculation factor: 100 sqm
BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	14191	0.197	3	14191	0.033	3	14191	0.230
08:00 - 09:00	3	14191	0.331	3	14191	0.038	3	14191	0.369
09:00 - 10:00	3	14191	0.106	3	14191	0.031	3	14191	0.137
10:00 - 11:00	3	14191	0.042	3	14191	0.033	3	14191	0.075
11:00 - 12:00	3	14191	0.063	3	14191	0.082	3	14191	0.145
12:00 - 13:00	3	14191	0.070	3	14191	0.143	3	14191	0.213
13:00 - 14:00	3	14191	0.148	3	14191	0.106	3	14191	0.254
14:00 - 15:00	3	14191	0.070	3	14191	0.080	3	14191	0.150
15:00 - 16:00	3	14191	0.040	3	14191	0.068	3	14191	0.108
16:00 - 17:00	3	14191	0.068	3	14191	0.143	3	14191	0.211
17:00 - 18:00	3	14191	0.096	3	14191	0.373	3	14191	0.469
18:00 - 19:00	3	14191	0.106	3	14191	0.186	3	14191	0.292
19:00 - 20:00	1	20400	0.020	1	20400	0.181	1	20400	0.201
20:00 - 21:00	1	20400	0.000	1	20400	0.025	1	20400	0.025
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.357			1.522			2.879

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
MULTI-MODAL LGVS
Calculation factor: 100 sqm
BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	14191	0.019	3	14191	0.014	3	14191	0.033
08:00 - 09:00	3	14191	0.038	3	14191	0.021	3	14191	0.059
09:00 - 10:00	3	14191	0.054	3	14191	0.040	3	14191	0.094
10:00 - 11:00	3	14191	0.059	3	14191	0.054	3	14191	0.113
11:00 - 12:00	3	14191	0.066	3	14191	0.068	3	14191	0.134
12:00 - 13:00	3	14191	0.063	3	14191	0.056	3	14191	0.119
13:00 - 14:00	3	14191	0.033	3	14191	0.035	3	14191	0.068
14:00 - 15:00	3	14191	0.021	3	14191	0.038	3	14191	0.059
15:00 - 16:00	3	14191	0.054	3	14191	0.052	3	14191	0.106
16:00 - 17:00	3	14191	0.031	3	14191	0.035	3	14191	0.066
17:00 - 18:00	3	14191	0.028	3	14191	0.033	3	14191	0.061
18:00 - 19:00	3	14191	0.031	3	14191	0.038	3	14191	0.069
19:00 - 20:00	1	20400	0.005	1	20400	0.015	1	20400	0.020
20:00 - 21:00	1	20400	0.000	1	20400	0.000	1	20400	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.502			0.499			1.001

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
 MULTI-MODAL MOTOR CYCLES
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	14191	0.002	3	14191	0.000	3	14191	0.002
08:00 - 09:00	3	14191	0.002	3	14191	0.000	3	14191	0.002
09:00 - 10:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
10:00 - 11:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
11:00 - 12:00	3	14191	0.002	3	14191	0.002	3	14191	0.004
12:00 - 13:00	3	14191	0.005	3	14191	0.000	3	14191	0.005
13:00 - 14:00	3	14191	0.005	3	14191	0.002	3	14191	0.007
14:00 - 15:00	3	14191	0.000	3	14191	0.002	3	14191	0.002
15:00 - 16:00	3	14191	0.009	3	14191	0.007	3	14191	0.016
16:00 - 17:00	3	14191	0.009	3	14191	0.005	3	14191	0.014
17:00 - 18:00	3	14191	0.002	3	14191	0.009	3	14191	0.011
18:00 - 19:00	3	14191	0.002	3	14191	0.002	3	14191	0.004
19:00 - 20:00	1	20400	0.000	1	20400	0.000	1	20400	0.000
20:00 - 21:00	1	20400	0.000	1	20400	0.000	1	20400	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.038			0.029			0.067

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
 MULTI-MODAL Underground Passengers
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
08:00 - 09:00	3	14191	0.005	3	14191	0.000	3	14191	0.005
09:00 - 10:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
10:00 - 11:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
11:00 - 12:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
12:00 - 13:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
13:00 - 14:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
14:00 - 15:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
15:00 - 16:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
16:00 - 17:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
17:00 - 18:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
18:00 - 19:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
19:00 - 20:00	1	20400	0.000	1	20400	0.000	1	20400	0.000
20:00 - 21:00	1	20400	0.000	1	20400	0.000	1	20400	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.005			0.000			0.005

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: $COUNT/TRP*FACT$. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
 MULTI-MODAL Overground Passengers
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
08:00 - 09:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
09:00 - 10:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
10:00 - 11:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
11:00 - 12:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
12:00 - 13:00	3	14191	0.002	3	14191	0.000	3	14191	0.002
13:00 - 14:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
14:00 - 15:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
15:00 - 16:00	3	14191	0.000	3	14191	0.002	3	14191	0.002
16:00 - 17:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
17:00 - 18:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
18:00 - 19:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
19:00 - 20:00	1	20400	0.000	1	20400	0.000	1	20400	0.000
20:00 - 21:00	1	20400	0.000	1	20400	0.000	1	20400	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.002			0.002			0.004

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
 MULTI-MODAL National Rail Passengers
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	14191	0.005	3	14191	0.000	3	14191	0.005
08:00 - 09:00	3	14191	0.019	3	14191	0.000	3	14191	0.019
09:00 - 10:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
10:00 - 11:00	3	14191	0.007	3	14191	0.002	3	14191	0.009
11:00 - 12:00	3	14191	0.009	3	14191	0.000	3	14191	0.009
12:00 - 13:00	3	14191	0.002	3	14191	0.007	3	14191	0.009
13:00 - 14:00	3	14191	0.005	3	14191	0.007	3	14191	0.012
14:00 - 15:00	3	14191	0.002	3	14191	0.009	3	14191	0.011
15:00 - 16:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
16:00 - 17:00	3	14191	0.000	3	14191	0.009	3	14191	0.009
17:00 - 18:00	3	14191	0.007	3	14191	0.019	3	14191	0.026
18:00 - 19:00	3	14191	0.000	3	14191	0.000	3	14191	0.000
19:00 - 20:00	1	20400	0.000	1	20400	0.000	1	20400	0.000
20:00 - 21:00	1	20400	0.000	1	20400	0.000	1	20400	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.056			0.053			0.109

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
MULTI-MODAL Bus Passengers
Calculation factor: 100 sqm
BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	14191	0.033	3	14191	0.000	3	14191	0.033
08:00 - 09:00	3	14191	0.068	3	14191	0.005	3	14191	0.073
09:00 - 10:00	3	14191	0.014	3	14191	0.002	3	14191	0.016
10:00 - 11:00	3	14191	0.014	3	14191	0.007	3	14191	0.021
11:00 - 12:00	3	14191	0.007	3	14191	0.002	3	14191	0.009
12:00 - 13:00	3	14191	0.026	3	14191	0.019	3	14191	0.045
13:00 - 14:00	3	14191	0.026	3	14191	0.031	3	14191	0.057
14:00 - 15:00	3	14191	0.009	3	14191	0.019	3	14191	0.028
15:00 - 16:00	3	14191	0.002	3	14191	0.016	3	14191	0.018
16:00 - 17:00	3	14191	0.026	3	14191	0.059	3	14191	0.085
17:00 - 18:00	3	14191	0.019	3	14191	0.061	3	14191	0.080
18:00 - 19:00	3	14191	0.005	3	14191	0.014	3	14191	0.019
19:00 - 20:00	1	20400	0.000	1	20400	0.010	1	20400	0.010
20:00 - 21:00	1	20400	0.000	1	20400	0.000	1	20400	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.249			0.245			0.494

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)
 MULTI-MODAL Servicing Vehicles
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	3	14191	0.061	3	14191	0.063	3	14191	0.124
08:00 - 09:00	3	14191	0.063	3	14191	0.059	3	14191	0.122
09:00 - 10:00	3	14191	0.101	3	14191	0.085	3	14191	0.186
10:00 - 11:00	3	14191	0.092	3	14191	0.103	3	14191	0.195
11:00 - 12:00	3	14191	0.110	3	14191	0.101	3	14191	0.211
12:00 - 13:00	3	14191	0.108	3	14191	0.108	3	14191	0.216
13:00 - 14:00	3	14191	0.087	3	14191	0.087	3	14191	0.174
14:00 - 15:00	3	14191	0.068	3	14191	0.070	3	14191	0.138
15:00 - 16:00	3	14191	0.092	3	14191	0.087	3	14191	0.179
16:00 - 17:00	3	14191	0.068	3	14191	0.063	3	14191	0.131
17:00 - 18:00	3	14191	0.059	3	14191	0.068	3	14191	0.127
18:00 - 19:00	3	14191	0.054	3	14191	0.056	3	14191	0.110
19:00 - 20:00	1	20400	0.025	1	20400	0.049	1	20400	0.074
20:00 - 21:00	1	20400	0.020	1	20400	0.005	1	20400	0.025
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.008			1.004			2.012

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.