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TRAVEL PLAN

# GUILDHALL SCHOOL OF MUSIC & DRAMA

– Milton Court

Travel Plan Heron Land Developments Ltd

19/06/2013

Updated and revised 19/10/2015 by Michael Dick, Director of Operations and Estate GSMD and Barbican Centre & Guildhall School Travel Plan Coordinator

Project number: 11141084 Dated: 19/06/2013 Revised October 2015:

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# GUILDHALL SCHOOL OF MUSIC & DRAMA – Milton Court

## Travel Plan

19/06/2013

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# 1 Introduction

## 1.1 Appointment

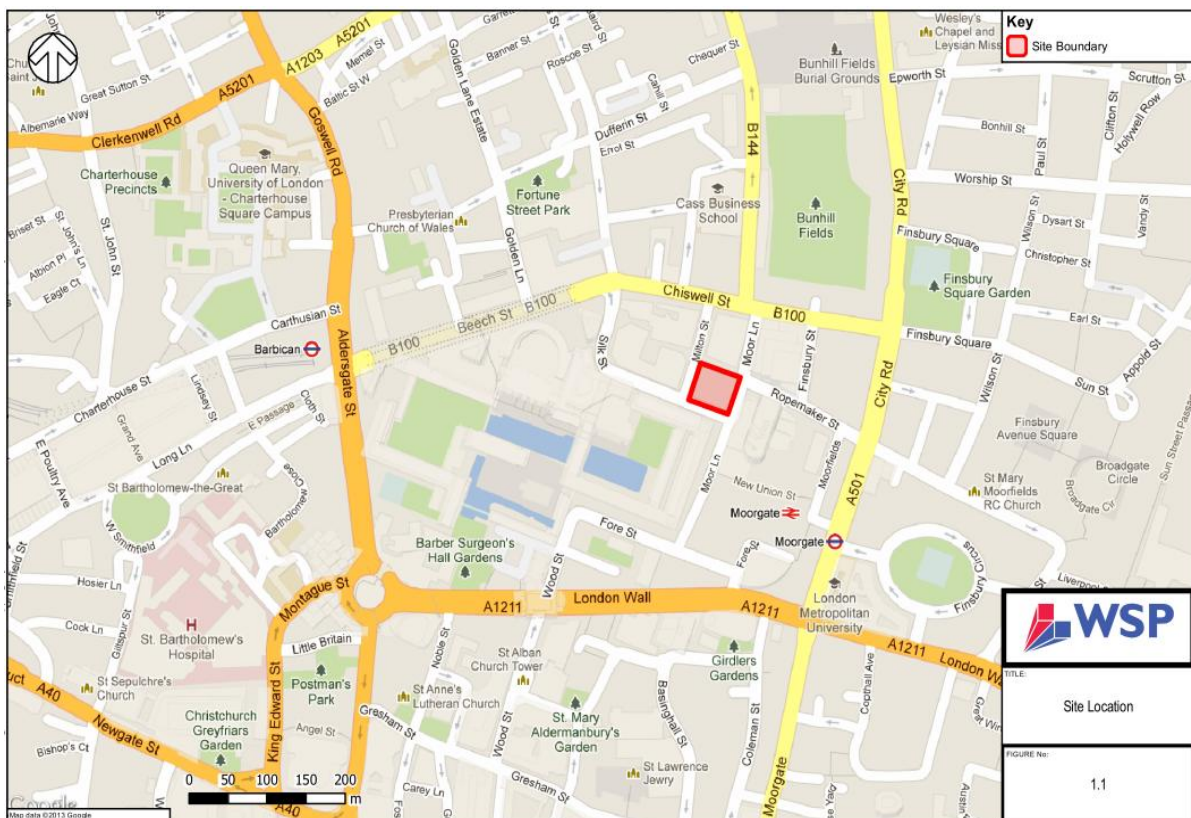
1.1.1 WSP UK Ltd (WSP) has been appointed by Heron Land Developments Ltd to prepare this Travel Plan to discharge the Section 106 obligation as part of the planning consent for the development at Milton Court which is currently under construction. Milton Court will be operated by the Guildhall School of Music & Drama (Guildhall School).

1.1.2 This Travel Plan has been prepared in accordance with current TfL travel plan guidance

## 1.2 Site Location

1.2.1 Milton Court is located on Silk Street between Milton Street and Moor Lane, opposite the Barbican Centre and the Guildhall School of Music & Drama's existing building on Silk Street.

1.2.2 The Milton Court Site is located in the City of London. Figure 1.1 provides an illustration of the site location.



1.2.3 Pedestrian flows within the area during peak periods are comfortably accommodated within the current footways and are associated with the surrounding uses, although largely comprising of office employees, students and staff of the Guildhall School and visitors to the Barbican Centre, during these specific periods.

## 1.3 Planning Consent

- 1.3.1 The Milton Court development proposals were granted planning consent on 30<sup>th</sup> January 2008 by the City of London (Application Reference 06/01160/FULEIA). The proposals include residential accommodation comprising 284 units and new educational and performance space for the Guildhall School and new retail (Class A1/A3).
- 1.3.2 The Planning application supporting documents submitted and approved included a Transport Assessment prepared by Arup dated September 2007 and an Environmental Statement prepared by Arup dated September 2007. These documents were used to assess the impacts of the development proposals on the surrounding area. Subsequently, a clause requiring the submission of a Travel Plan formed part of the obligations within the Section 106 Planning Agreement.

## 1.4 Travel Plan Overview

- 1.4.1 TfL define a Travel Plan as 'a long-term management strategy for an organisation or site that seeks to deliver sustainable transport objectives through action and is articulated in a document that is regularly reviewed'. A travel plan involves identifying an appropriate package of measures aimed at promoting sustainable travel, with an emphasis on reducing reliance on 'single occupancy car journeys'.
- 1.4.2 A travel plan should establish a structured strategy with clear objectives and targets, supported by suitable policies and quality measures for implementation. Whilst the location of a development, its physical design and proximity to facilities and services create the conditions to make sustainable travel choices a natural option communicating these opportunities to employees and occupiers is also critical to the success of the travel plan.
- 1.4.3 The travel plan is essentially a 'living document' requiring monitoring, review and revision to ensure it remains relevant to the organisation and those using the site and provides continuous improvements for its duration. These aspirations and actions should be documented in a travel plan, the structure and content of which are dependent upon a range of factors including the location and nature of development, the occupiers and the end users.
- 1.4.4 This Framework Travel Plan has been prepared in accordance with TfL's 'Travel Planning for New Development in London; Incorporating Deliveries and Servicing' guidance, published in February 2011. It is noted that a separate servicing Management Plan for the proposals has been prepared, submitted and approved by the City of London. Thus this document deals only with travel planning for the Guildhall School.
- 1.4.5 Travel plans also provide a key management tool for implementing the transport solutions highlighted by the accompanying Transport Assessment (TA) for a new development. They should demonstrate a holistic approach by incorporating both the 'hard' engineering measures and the 'soft' marketing and management measures necessary to address the transport impacts arising from development.

## 2 Accessibility and Existing Conditions

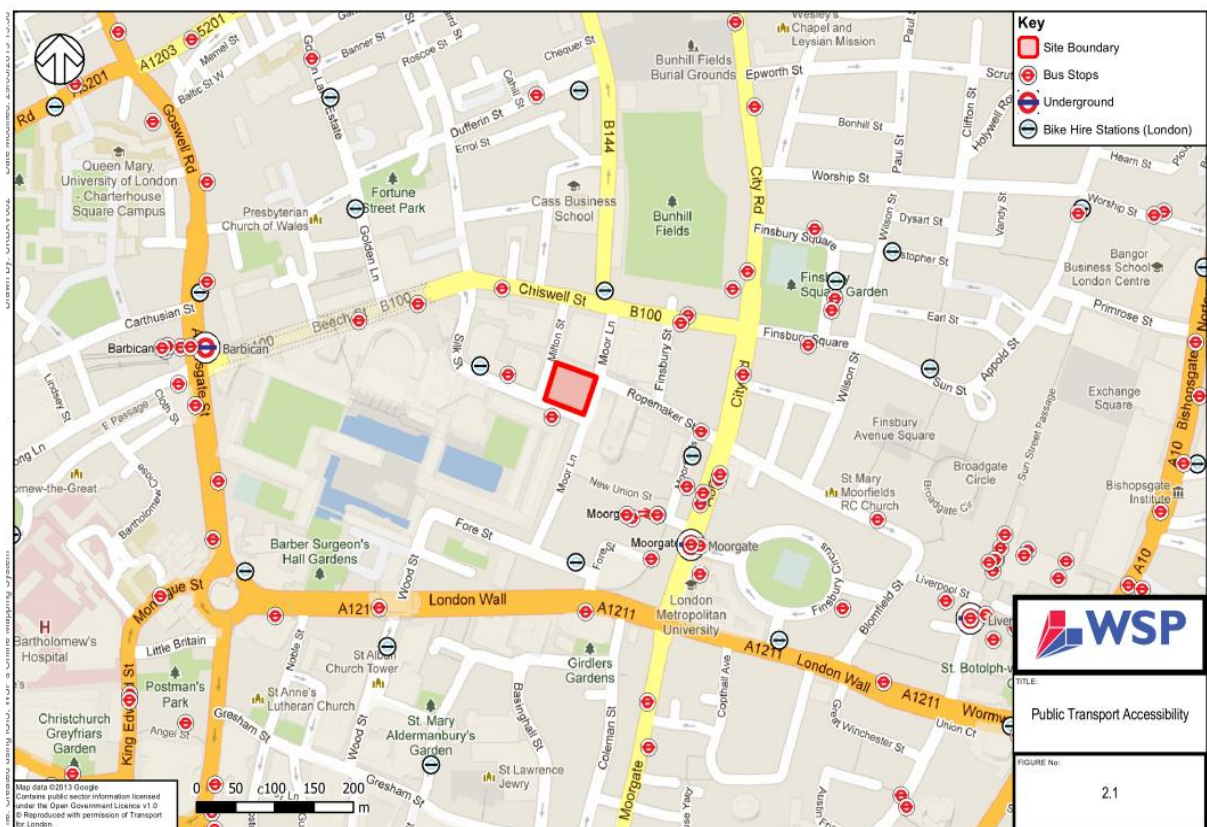
### 2.1 Introduction

2.1.1 The following section demonstrates that the site is well located in terms of its proximity to local facilities, thereby reducing the need to travel long distances by private car. It also demonstrates that the development location provides convenient access to public transport services.

2.1.2 Based on TfL's web-based Planning Information Database a PTAL of 6b (Excellent) has been calculated for a central point of origin within the site. This PTAL score was generated on 21<sup>st</sup> May 2013. A copy of the detailed PTAL report is provided within Appendix B.

### 2.2 Public Transport Accessibility

2.2.1 As demonstrated by the PTAL level of 6b described above, the site benefits from a variety of frequent and comprehensive public transport services. These are discussed in turn below. For reference, an indication of local public transport facilities is shown in Figure 2.1 below.



2.2.2 Figure 2.1 shows there are a number of underground stations in close proximity to the site. These include Barbican and Farringdon to the west, Moorgate and Liverpool Street to the east, Old Street to the north, and Bank and St Pauls to the south. These stations are accessible by walking, cycling or using the local bus services which can be accessed from the bus stops located above.

### 2.3 Buses

2.3.1 The closest bus stops are located at Moorgate Station which is a 4 minute walk and Finsbury Square which is a 5 minute walk. The majority of local services can be accessed at either of these stops.

2.3.2 Table 2.1 below provides a summary of the bus routes accessible from the site, their routes and peak hour Project number: 11141084 Dated: 19/06/2013 Revised October 2015:

frequencies.

**Table 3.1 – Summary of Bus Routes Accessible from the Site**

Service	Closest Bus Stops	Route Summary	Peak Hour Frequency (per direction)
100	Moorgate Station (A & N)	Elephant & Castle – Blackfriars Station – Moorgate – Tower Hill – Wapping Station – Shadwell Station	6
153	Finsbury Square (R & S)	Liverpool Street Station – Moorgate – Barbican Station – Islington – Westbourne Road – Finsbury Park Station	6
43	Moorgate Station (L & B)	London Bridge Station – Bank – Old Street Station – Archway Station – Wilton Road – Friern Barnet	10
21	Moorgate Station (L & B)	Newington Green – Old Street Station – Moorgate – Bank – Borough Station – Old Kent Road - Lewisham	7
214	Finsbury Square (G & H)	Liverpool Street Station – Moorgate – Old Street Station – Kings Cross Station – Camden Town Station – Highgate Village	7
76	Moorgate Station (Stop L & B)	Northumberland Park Station – Seven Sister's Station – Old Street Station – Bank – Mansion House Station - Waterloo	7
141	Moorgate Station (Stop L & B)	Palmers Green – Wood Green – Manor House Station – Old Street Station – Moorgate – Bank – London Bridge Station	7
205	Finsbury Square/ Moorgate (K & C)	Paddington – Marylebone – Warren Street – Euston Station – Kings Cross St Pancras – Moorgate – Liverpool Street - Whitechapel	7
271	Finsbury Square (G & H)	Liverpool Street – Moorgate – Old Street Station – Highbury and Islington Station – Highgate Village	6

Source: Transport for London

## 2.4 London Underground

2.4.1 The closest London Underground stations to the site are Moorgate (Northern, Circle, Hammersmith and City and Metropolitan lines) and Barbican (Circle, Hammersmith and City and Metropolitan lines). Moorgate is located 320m southeast of the site (4 minute walk), and Barbican is located 500m west of the site (7 minute walk).

2.4.2 Tables 3.2 display the current services that run from Moorgate Monday to Friday, including the peak hour frequency and first and last trains at the station.

**Table 3.2 – London Underground Services at Moorgate**

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Underground Line	Direction	First Train	Last Train	Service Frequency (trains per hour)	
				0800 - 0900	1700 – 1800
Northern	Southbound	0553	0036	19	21
Northern	Northbound	0550	0033	21	20
Metropolitan	Eastbound	0605	2355	12	16
Metropolitan	Westbound	0620	0015	13	15
Circle	Eastbound	0509	0042	6	6
Circle	Westbound	0511	0043	5	7
Hammersmith and City	Eastbound	0509	0042	6	6
Hammersmith and City	Westbound	0511	0043	6	6

Source: Transport for London

## 2.5 National Rail

2.5.1 Moorgate station also provides national rail services which are easily accessible from the site. Table 3.3 provides a summary of these rail services during the morning and evening peak periods.

**Table 3.3 – Summary of Direct Rail Services at Moorgate Railway Station**

Destination	Service Frequency (trains per hour)	
	0800 – 0900	1700 – 1800
Finsbury Park	9	12
Welwyn Garden City	3	4
Hertford North	4	5
Stevenage	2	2

Source: First Capital Connect

2.5.2 The table demonstrates that the majority of services run to Finsbury Park from Moorgate. During the AM peak hours (0800-0900) 9 services run to Finsbury Park, and during the PM peak hours (1700-1800), 12 services run to Finsbury Park.

## 2.6 Taxis

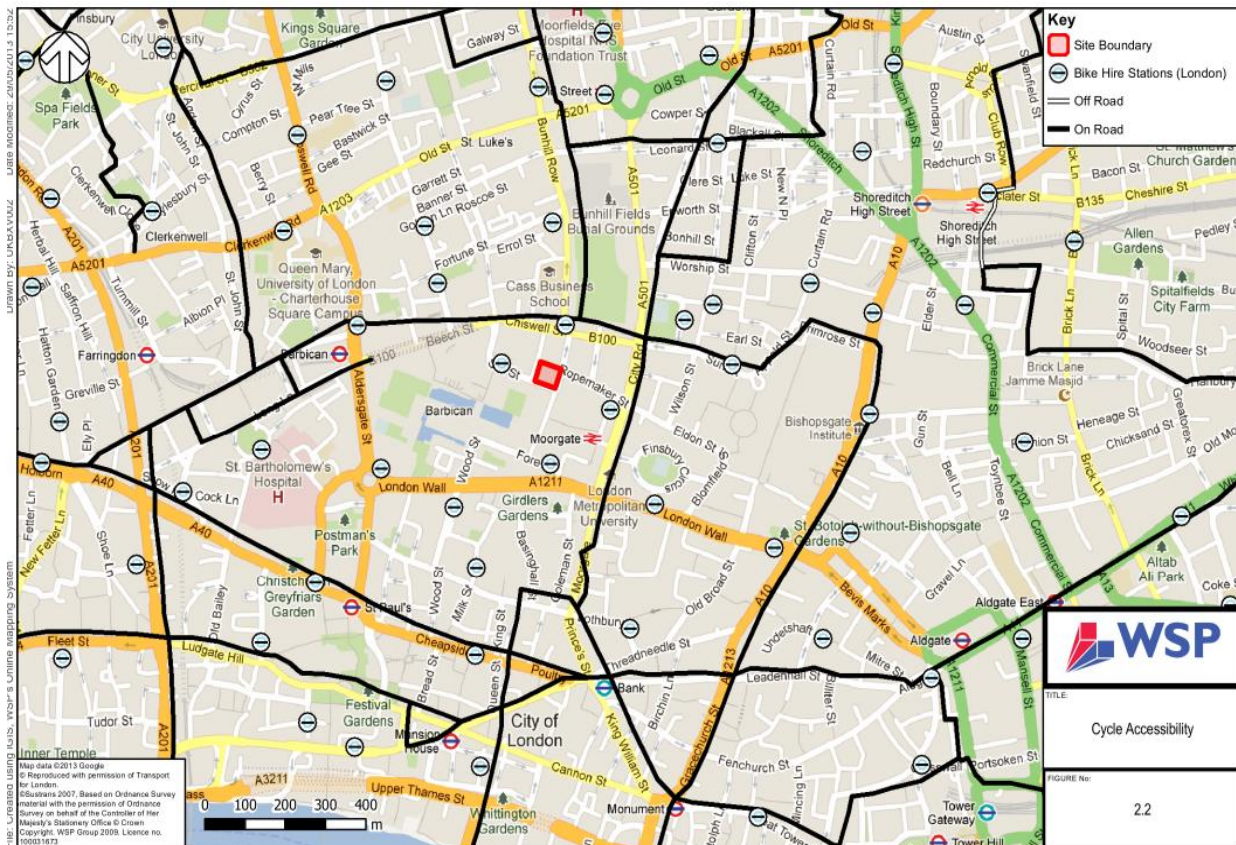
2.6.1 Approximately one third of the existing traffic near the site is from taxis. There are taxi parking bays along Ropemaker Street near to the site where taxi drivers can park for up to one hour.

## 2.7 Cycle Accessibility

2.7.1 The development is well located in terms of cycle accessibility. The busier road within the area, i.e. City Road  
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(A501), benefits from bus lanes on the carriageway which are open to cyclists. Other roads within the vicinity of the site such as Chiswell Street, Bunhill Row and Long Lane are quieter roads and considered 'easy' cycle routes as recommended by TfL's cycle journey planning tool.

- 2.7.2 A number of key transport interchanges such as Old Street and Blackfriars Underground Stations can be accessed within a five minute cycle.
- 2.7.3 The closest Barclays/Santander Cycle Hire docking stations are located on Silk Street (50m), and Bunhill Row (150m). There are currently no Barclays/Santander Cycle Superhighways within the vicinity of the site. However, London Cycle Network Routes 0, 7, 9, 10 and 11 pass close to the site.
- 2.7.4 An indication of the cycle facilities within the surrounding area including Sustrans recommended routes and Barclays/Santander Cycle Hire docking stations is shown in Figure 2.2 below.

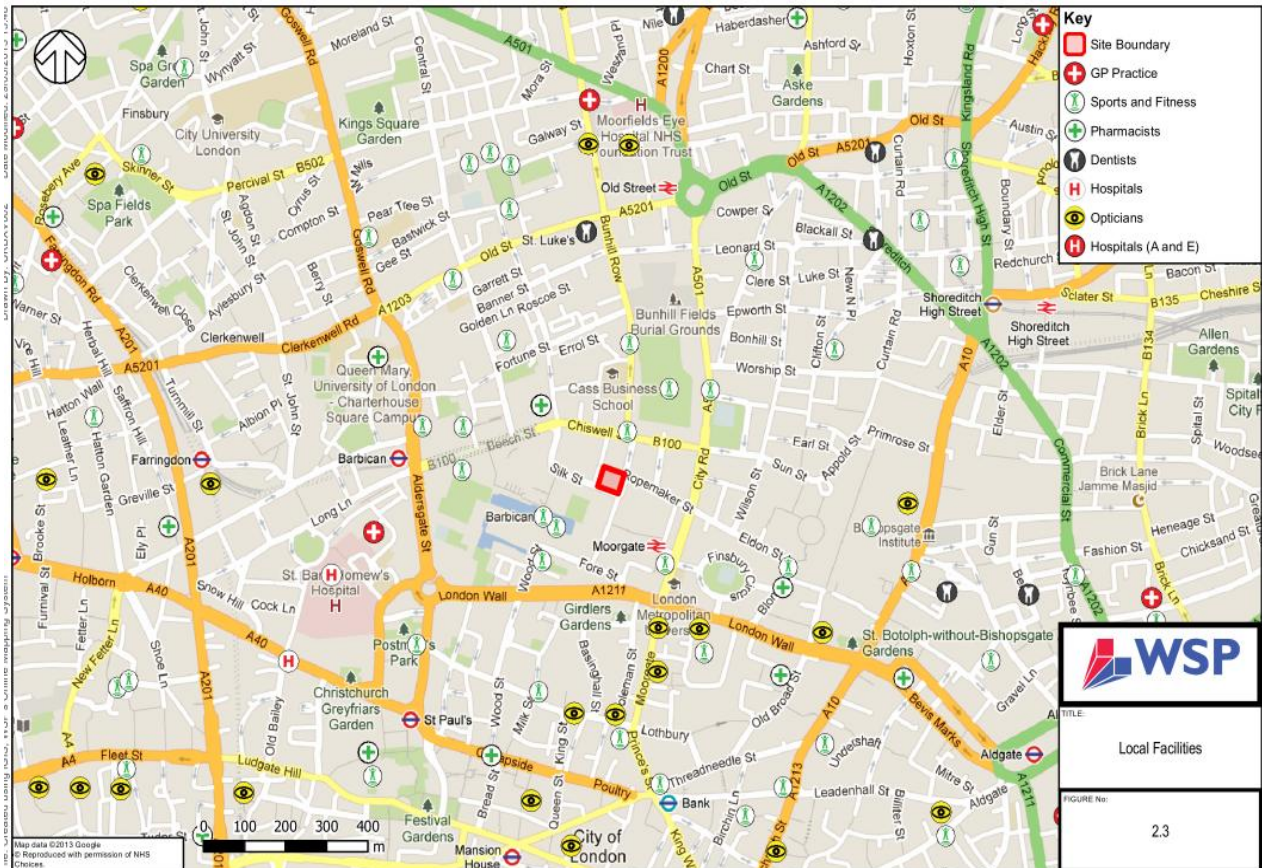


## 2.8 Walk Accessibility

- 2.8.1 The area has an established network of footways and footpaths which provide access to the proposed development site, nearby bus stops, Moorgate station and a number of other nearby amenities.
- 2.8.2 The area is part of the Jubilee Gateway walk (Section 3 The City Loop) which is a circular walk in the City of London that connects to the Barbican Centre and provides an insight into City life. The walk is 3km long and can be walked mostly by pavements.
- 2.8.3 Recent road works (December 2014) have remodelled the Silk Street/ Beech Street junction from an arrangement consisting of three separate zebra crossings with pedestrian island connecting all three to a 2 crossing configuration in a modified junction. This has eliminated the narrow footways around the junction, owing to the 'double' zebra crossing and pedestrian island.
- 2.8.4 Silk Street had been re-paved and planted with trees. The street is also a designated pick up/drop off point for coaches and forms part of the main entrance to the Barbican Centre,

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- 2.8.5 At street level there is a pedestrian route between the site and Moorgate station through the City Point development, as an alternative to the route via either Ropemaker Street or Moor Lane. There is a pedestrian crossing across Moor Lane immediately to the south of Milton Court and another across Silk Street immediately to the west of the site.
- 2.8.6 From October 2015 the entry route to the high- walk via stairs and escalator from Moorgate will be closed for the period of the demolition phase and construction of the 21 Moorfields development. Discussion on the provision of signage, detailing alternative ground level routes to the Barbican Centre and GSMD, are currently taking place with the developer Land Securities.
- 2.8.7 Figure 2.3 below shows the local facilities within the immediate and local area, including a number of GP Practices and sports and fitness services, which are accessible by foot.



## 5.3 Action Plan

- 5.3.1 The programme for the implementation of the Travel Plan measures for the proposals will be produced, as and when they are brought forward for development and developed .
- 5.3.2 The action plan for the School has set out tasks, intended implementation dates and funding sources. It is intended to be a live document which will be updated by the TPC after each travel survey has been completed and reflecting any consultation with the local planning authority. The action plan for the School proposals is set out in **Table A1**.

**Table A1: Output Targets**

Action	Target (values)	Date to be Implemented	Cost	Funding	Indicator/ Measured by/	Responsibility
Promote sustainable transport t/ no-car	Student awareness of School's sustainable transport options prior to enrolment	Annually with each student intake	Member of Staff	Guildhall School	School student travel survey	Guildhall School
SSG to appoint its Chairman as TPC	N/A	TPC appointed prior to opening	Member of Guildhall School	Internal appointment	Appointment of roles by target date	Guildhall School
Provision of 'hard' engineering measures (Cycle parking)	Cycle parking spaces provided within Guildhall School.	Completed Prior to Opening	Provided at Present	Provided	Identification of cycle parking	Guildhall School
Make Travel Information Packs available electronically	Links on School internet and intranet. Promotion via internal electronic magazine	Completed upon occupation	Member of Guildhall School	Guildhall School	Travel survey	Guildhall School/TPC
Undertake annual travel surveys and analysis	N/A	Annually	Undertaken by TPC via online questionnaire	Guildhall School	Receipt of survey results	TPC
Agree and achieve target values for mode split with Council	Target subject to negotiations	After results are published of first travel survey undertaken	n/a	Guildhall School	Receipt of written agreement of targets.	TPC

# Sample Questionnaires

## **Guildhall School Staff Travel Survey**

The Guildhall School's Sustainability Steering Group is conducting a survey to calculate the total carbon emissions generated from staff commuter travel. The survey should be completed by everyone who has an employment contract with the Guildhall School of Music & Drama, irrespective of whether it is a full-time, fractional/part-time or an hourly paid contract. It should take no more than 3 to 4 minutes to complete. The survey is anonymous and the data collected cannot be used at an individual level. The School will use the aggregated data only to assess whether carbon emissions from staff travel are changing. The Sustainability Steering Group will use the data to consider whether the School can make any changes to reduce total staff travel carbon emissions.

If you have a role which is shared between the School and the Barbican, we need to know the proportion of your role that is allocated to the School. If you think that your role is a shared role but are unsure of the proportion, please discuss this with your line manager.

Please enter the proportion of your role that is allocated to the School as a percentage. If your role is not shared with the Barbican then the answer to this question will be 100.

We expect the travel patterns to be different depending on whether a member of staff is fulltime, fractional/part-time or hourly paid; therefore the questions will be different depending on which category you fall into.

### **Please select your employment type:**

Fractional and Part-time

Full-time

Hourly Paid

### **Please specify the number of weeks that you are contracted to work in a full year:**

#### **Fractional and Part-time**

Staff members who are employed on a fractional or part-time basis may travel to central London for more than one purpose, and may travel from more than one address.

For each address from where you travel to central London, please state:

- a) the postcode of the address from where your journey to central London starts, b) the total number of visits to the Guildhall School from that address IN AN AVERAGE WEEK,
- c) the number of these visits when your journey to central London is for one or more purposes in addition to visiting the School, and
- d) the main mode of travel from that address (Bicycle, London Bus, National Coach, Car,

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Motorbike, Plane, Train (overground), Train (underground), Train (DLR), Walk, Other (please specify)

Address 1

Address 2

### **Full-time**

Staff members who are full-time are likely to travel to the School 5 days a week. If you have a different address at the weekend, this question allows for journeys between the School and two different addresses to be provided if necessary.

E.g. Midweek address: 8 journeys (from Monday evening to Friday morning)

Weekend address: 2 journeys (on Friday evening and Monday morning)

If you only have one address it is likely that you will make 10 journeys each week.

For each address from where you travel to central London, please state:

- a) the postcode of the address from where your journey to central London starts,
- b) the number of journeys that you make between the Guildhall School and that address IN

AN AVERAGE WEEK, and

- c) the main mode of travel between the Guildhall School and that address (Bicycle, London Bus, National Coach, Car, Motorbike, Plane, Train (overground), Train (underground), Train (DLR), Walk, Other (please specify).

Address 1

Address 2

### **Hourly Paid**

Staff members who are employed on an hourly paid basis may travel to central London for more than one purpose, and may travel from more than one address.

For each address from where you travel to central London, please state:

- a) the postcode of the address from where your journey to central London starts,
- b) the total number of visits to the Guildhall School from that address DURING MAY 2013,
- c) the number of these visits when your journey to central London was for one or more purposes in addition to visiting

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the School, and

d) the main mode of travel from that address (Bicycle, London Bus, National Coach, Car,

Motorbike, Plane, Train (overground), Train (underground), Train (DLR), Walk, Other (please specify).

Address 1

Address 2

These final questions will help us decide how the School could increase the proportion of carbon free staff commuter travel and reduce the carbon emissions associated with staff travel.

**Why do you travel to and from the School the way you do? (If there is more than one reason for choosing this method, please number reasons in order)**

**What would make you more likely to walk?**

It's the only way (proximity) It's the only way (for health/disability reasons) It's more convenient It's cheaper It's safer It's more environmentally friendly It's a good way of getting exercise Other (Please specify) If you selected 'Other' please specify Walking buddies (i.e. someone to walk with) Lunchtime walks (e.g. to get fitter first) Free pedometers More information about walking routes More information about staying safe More lockers/storage and changing facilities at the School Not possible (much too far) Nothing would encourage me

Other (please specify)

If you selected 'Other' please specify

**What would make you more likely to cycle?**

More cycle safety training and advice Better cycle parking facilities Discounts at local cycle stores More information about CoL Bicycle Loan/Cycle to Work scheme Cycle buddies (someone to cycle with) More lockers/storage and changing facilities at the School Not possible (much too far) Nothing would encourage me Other (please specify) If you selected 'Other' please specify

**Many thanks for completing this survey.**

**Guildhall School Student Travel Survey**

The School's Sustainability Steering Group is conducting a survey to calculate the carbon

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emissions from student travel.

We want to look at two things:

- 1 travel to and from the School during term time
- 2 travel between term time address and vacation address at the start and end of term.

Please let us know how you normally travel between the Guildhall School and your term time address.

Please select the mode of transport that you use for the largest part of your journey.

For example: If you live in Camden you might have the following journey:

- 1) Walk to the bus stop
- 2) Get the bus to Camden Town tube station
- 3) Get the underground to Moorgate
- 4) Walk to the School.

For the purpose of this survey you should only answer 'underground'.

**1. How do you normally travel between the Guildhall School and your term time address?  
Please select the mode of transport that you use for the largest part of your journey.**

Walk Bicycle Underground Bus National Coach National Rail Docklands Light Railway Motorbike  
Car

Please provide the postcode of your term time address. We will then be able to calculate the distance to School. If your term time address is Sundial Court, the postcode to provide is EC1Y 4SB.

**Term time postcode:**

Please provide the Underground, National Rail or DLR stations which are at the start and end of the largest part of your journey. We will then be able to calculate the distance travelled.

**Station you start at:**

**Station you finish at:**

However if you normally To be able to calculate the annual distance you travel, we need to know how many one-way journeys you normally make per week between the Guildhall School and your term time address. Please provide an average. For example: If you live in Camden, you may travel into School and back again on Monday, Tuesday, Thursday and Friday. This is 8 (2x4) single journeys.

stay overnight on Monday with a friend in Sundial Court, then this would only be 6 single journeys.

If you live at Sundial Court, you may normally travel to and from the School twice every day, so this would be 20 (2x2x5) single journeys.

**Average number of single one-way journeys per week between the Guildhall School and your term time address:**

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**If you live elsewhere during one or more vacations, how do you normally travel between your term time address and your vacation address? Please select the mode of transport that you use for the largest part of your journey.**

Walk Bicycle Underground London Bus National Coach National Rail Docklands Light Railway  
Motorbike Car International Rail Plane

I live at the same address all year

We need the postcode of your vacation address, and also of your term time address if you haven't already provided this in section 3. We will then be able to calculate the distance between your vacation address and your term time address.

### **Vacation postcode**

**Have you already provided your term time postcode in section 3?**

Yes/No

Please provide the postcode of your term time address.

If your term time address is Sundial Court, the postcode to provide is EC1Y 4SB.

### **Term time postcode:**

Please provide the stations or airports that are at the start and end of the largest part of your journey. We will then be able to calculate the distance travelled.

1 **Start:**

2 **End:**

To be able to calculate the annual distance you travel, we need to know how many one-way journeys you normally make per year between your term time address and your vacation address. Please provide an estimate.

For example: If your vacation address is in Newcastle and you travel between your term time address and your vacation address for all three terms, this would be 6 single journeys.

If your vacation address is in New York and you only travel there for the summer vacation, this would be 2 single journeys.

**How many times per year, in one-way journeys, do you relocate from your term time address to your vacation address or back? Do not count any visits to London for other reasons.**

These final questions will help us decide how the School could increase the proportion of carbon-free student travel and reduce the carbon emissions associated with student travel.

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**Why do you travel to and from the School the way you do? (If there is more than one reason for choosing this method, please number reasons in order)**

**What would encourage you to walk or cycle to School? If you already use these modes, what would encourage you to continue using them?**

(Place a tick against the three best motivators for each mode.) It's the only way (proximity e.g. live in Sundial Court) It's the only way (for health/ disability reasons) It's more convenient It's quicker It's cheaper It's safer It's more environmentally friendly It's a good way of getting exercise Other (Please specify) If you selected 'Other' please specify

### **1) Walking**

Walking buddies (i.e. someone to walk with) Free pedometers More information about walking routes More information about staying safe More lockers/ storage and changing facilities at the School Nothing would encourage me Other (please specify)

### **Cycling**

More cycle safety training and advice Better cycle parking facilities Discounts at local cycle stores Cycle buddies (i.e. someone to cycle with)

More lockers/ storage and changing facilities at the School Nothing would encourage me Other (please specify)

**Many thanks for completing this survey.**

# Appendices

## Appendix A – Travel Information Pack

Bus Route 153 operates along Chiswell Street, the nearest bus stop is Beech Street (BN) which is 250m from the Guildhall School. This bus service provides access to a number of local train and underground services enabling interchange facilities between bus and rail for onward journeys.

The Table below shows the routes and frequency for local bus services.

Service	Closest Stop	Route Description	Peak Hour Frequency (per direction)
153	Finsbury Square (R & S)	Liverpool Street Station Moorgate Barbican Station –Westbourne Road Finsbury Park Station	6
100	Moorgate Station (A & N)	Elephant & Castle Blackfriars Station Moorgate Tower Hill Wapping Station Shadwell Station	6
43	Moorgate Station (L & B)	London Bridge Station Bank Old Street Station Archway Station Wilton Road Friern Barnet	10
21	Moorgate Station (L & B)	Newington Green Old Street Station Moorgate – Bank Borough Station Old Kent Road - Lewisham	7
214	Finsbury Square (G & H)	Liverpool Street Station Moorgate Old Street Station Kings Cross Station –Highgate Village	7
76	Moorgate Station (L & B)	Northumberland Park Station Seven Sister's Station Old Street Station – Bank –Waterloo	7
141	Moorgate Station (L & B)	Palmers Green Wood Green — Old Street Station Moorgate – Bank London Bridge Station	7
205	Finsbury Square (K & C)	Paddington Euston Station Kings Cross St Pancras Moorgate – Liverpool Street Whitechapel	7
271	Finsbury Square (G & H)	Liverpool Street Moorgate – Old Street Station Highbury and Islington Station – Highgate Village	6

Moorgate is the nearest underground station to the Guildhall School located on City Road (A501) which is 320m away or a 4 minute walk. Moorgate provides services on Northern (Bank branch), Metropolitan, Circle and Hammersmith and City Lines.

The Table below shows the routes and frequency for services from Moorgate.

Underground Line	Direction	Peak Hour Frequency (AM)	Peak Hour Frequency (PM)
Northern (Bank Branch)	Southbound	19	21
	Northbound	21	20
Metropolitan	Eastbound	12	16
	Westbound	13	15
Circle	Eastbound	6	6
	Westbound	5	7
Hammersmith and City	Eastbound	6	6
	Westbound	6	6

See \_\_\_\_\_ for further details

Other nearby underground stations include Barbican, Farringdon, Old Street, St Pauls and Liverpool Street.

The nearest railway station to the Guildhall School is Moorgate Station. The station operates as part of the First Capital Connect providing services to Finsbury Park and Hertford. The table below shows the details of services from Moorgate station.

Route	Route Description	Peak Hour Frequency (AM)	Peak Hour Frequency (PM)
Finsbury Park	Moorgate – Old Street Essex Road – Highbury and Islington Drayton Park Finsbury Park	9	12
Welwyn Garden City	Moorgate – Finsbury Park Alexandra Palace – New Barnet Potters Bar – Welwyn Garden City	3	4
Hertford North	Moorgate – Finsbury Park Alexandra Palace – Bowes Park – Gordon Hill – Hertford North	4	5
Stevenage	Moorgate – Finsbury Park – Alexandra Palace – Bowes Park Hertford North – Stevenage	2	2

See \_\_\_\_\_ for further details.

Other stations within walking distance of the Guildhall School include Old Street, Farringdon and Shoreditch High Street.

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## Appendix B – PTAL Score Information

The public transport accessibility level (PTAL) is a method used in transport planning to assess the access level of geographical areas to public transport. PTAL is an approach that hinges on the distance from any point to the nearest public transport stop, and service frequency at those stops. The result is a grade from 1–6 (including sub-divisions 1a, 1b, 6a and 6b), where a PTAL of 1a indicates extremely poor access to the location by public transport, and a PTAL of 6b indicates excellent access by public transport; The PTAL study for Guildhall School gives a rating of 6b.

EDF-Equivalent Doorstep Frequency)

POI - Point of Interest

SAPs -service access points

### PTAL Study Report File Details

#### Bus Services

Reliability factor for this mode is 2 Maximum walk time for this mode is 8 minutes Maximum walk distance for this mode is 640.0 metres

Stop LONDON WALL MOORGATE

Walk time to stop from POI is 5.06 minutes

Walk distance to stop from POI is 404.89 metres

Route 100 Direction BACK Frequency 8.0 giving AWT of 3.75 minutes Stop NUMBER NOT USED Walk time to stop from POI is 6.21 minutes Walk distance to stop from POI is 497.13 metres Stop MOORGATE LONDON WALL Walk time to stop from POI is 6.89 minutes Walk distance to stop from POI is 551.04 metres

Route 43 Direction BACK Frequency 10.0 giving AWT of 3.0 minutes Route 43 Direction OUT Frequency 10.0 giving AWT of 3.0 minutes Route 76 Direction BACK Frequency 7.5 giving AWT of 4.0 minutes Route 141 Direction BACK Frequency 9.0 giving AWT of 3.33 minutes Route 21 Direction BACK Frequency 9.0 giving AWT of 3.33 minutes Route 21 Direction BACK Frequency 9.0 giving AWT of 3.33 minutes Route 21 Direction BACK Frequency 9.0 giving AWT of 3.33 minutes Route 21 Direction OUT Frequency 9.0 giving AWT of 3.33 minutes Route 21 Direction OUT Frequency 9.0 giving AWT of 3.33 minutes Route 21 Direction OUT Frequency 9.0 giving AWT of 3.33 minutes Route 21 Direction OUT Frequency 9.0 giving AWT of 3.33 minutes

Stop MOORGATE STATION Walk time to stop from POI is 5.77 minutes

Walk distance to stop from POI is 461.93 metres Route 153 Direction BACK Frequency 5.0 giving AWT of 6.0 minutes Route 43 Direction BACK Frequency 10.0 giving AWT of 3.0 minutes Route 43 Direction OUT Frequency 10.0 giving AWT of 3.0 minutes Route 214 Direction BACK Frequency 8.0 giving AWT of 3.75 minutes Route 76 Direction BACK Frequency 7.5 giving AWT of 4.0 minutes Route 76 Direction OUT Frequency 8.0 giving AWT of 3.75 minutes Route 141 Direction OUT Frequency 9.5 giving AWT of 3.16 minutes Route 141 Direction BACK Frequency 9.0 giving AWT of 3.33 minutes Route 205 Direction BACK Frequency 8.0 giving AWT of 3.75 minutes Route 21 Direction BACK Frequency 9.0 giving AWT of 3.33 minutes Route 21 Direction BACK Frequency 9.0 giving AWT of 3.33 minutes Route 21 Direction OUT Frequency 9.0 giving AWT of 3.33 minutes Route 21 Direction OUT Frequency 9.0 giving AWT of 3.33 minutes Route 21 Direction OUT Frequency 9.0 giving AWT of 3.33 minutes Route 21 Direction BACK Frequency 9.0 giving AWT of 3.33 minutes Route 21 Direction OUT Frequency 9.0 giving AWT of 3.33 minutes

Stop FINSBURY CIR MOORGATE

Walk time to stop from POI is 6.78 minutes

walk distance to stop from POI is 542.79 metres

Stop ELDON STREET (APO)

Walk time to stop from POI is 6.82 minutes

Walk distance to stop from POI is 545.99 metres Route 153 Direction OUT Frequency 5.0 giving AWT of 6.0 minutes Route 214 Direction OUT Frequency 8.0 giving AWT of 3.75 minutes Route 205 Direction OUT Frequency 8.0 giving AWT of 3.75 minutes

Stop BARBICAN STATION

Walk time to stop from POI is 7.39 minutes

Walk distance to stop from POI is 591.33 metres Route 153 Direction BACK Frequency 5.0 giving AWT of 6.0 minutes Route 153 Direction OUT Frequency 5.0 giving AWT of 6.0 minutes Route 56 Direction OUT Frequency 9.0 giving AWT of 3.33 minutes Route 56 Direction BACK Frequency 9.0 giving AWT of 3.33 minutes Route 4 Direction BACK Frequency 6.0 giving AWT of 5.0 minutes Route 4 Direction OUT Frequency 6.0 giving AWT of 5.0 minutes

Stop BARBICAN CROMWELL TOWER

Walk time to stop from POI is 1.01 minutes

Walk distance to stop from POI is 80.47 metres

Stop BARBICAN BEECH STREET

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Walk time to stop from POI is 4.2 minutes

Walk distance to stop from POI is 335.71 metres Route 153 Direction BACK Frequency 5.0 giving AWT of 6.0 minutes Route 153 Direction OUT Frequency 5.0 giving AWT of 6.0 minutes

Stop FINSBURY PAVEMENT

Walk time to stop from POI is 5.19 minutes

Walk distance to stop from POI is 414.99 metres Route 153 Direction OUT Frequency 5.0 giving AWT of 6.0 minutes Route 43 Direction OUT Frequency 10.0 giving AWT of 3.0 minutes Route 214 Direction OUT Frequency 8.0 giving AWT of 3.75 minutes Route 214 Direction BACK Frequency 8.0 giving AWT of 3.75 minutes Route 76 Direction OUT Frequency 8.0 giving AWT of 3.75 minutes Route 141 Direction OUT Frequency 9.5 giving AWT of 3.16 minutes Route 205 Direction OUT Frequency 8.0 giving AWT of 3.75 minutes Route 205 Direction BACK Frequency 8.0 giving AWT of 3.75 minutes Route 21 Direction BACK Frequency 9.0 giving AWT of 3.33 minutes Route 21 Direction BACK Frequency 9.0 giving AWT of 3.33 minutes Route 21 Direction BACK Frequency 9.0 giving AWT of 3.33 minutes

Stop FINSBURY SQ WEST SIDE

Walk time to stop from POI is 5.59 minutes

Walk distance to stop from POI is 447 metres

## Underground Services

Reliability factor for this mode is .75 Maximum walk time for this mode is 12 minutes Maximum walk distance for this mode is 960.0 metres

Stop Liverpool Street

Walk time to stop from POI is 9.68 minutes

Walk distance to stop from POI is 774.63 metres

Route Central Line White City to Newbury Park Direction E/B Frequency 0.3 giving AWT of 100.0 minutes

Route Central Line Grange Hill to West Ruislip Direction W/B Frequency 1.0 giving AWT of 30.0 minutes

Route Circle Line Edgware Road (Circle Line) to Hammersmith (H&C Line) Direction IN Frequency 6.0 giving AWT of 5.0 minutes

Route Central Line Ealing Broadway to Newbury Park Direction E/B Frequency 0.7 giving AWT of 42.86 minutes

Route Central Line Hainault to Northolt Direction W/B Frequency 1.3 giving AWT of 23.08 minutes

Route Central Line Hainault to Ruislip Gardens Direction W/B Frequency 0.7 giving AWT of 42.86 minutes

Route Central Line Debden to Ruislip Gardens Direction W/B Frequency 0.3 giving AWT of 100.0 minutes

Route Metropolitan Line Croxley to Aldgate Direction S/B Frequency 0.3 giving AWT of 100.0 minutes

Route Central Line White City to Loughton Direction E/B Frequency 1.0 giving AWT of 30.0 minutes

Route Central Line Ealing Broadway to Hainault Direction E/B Frequency 4.7 giving AWT of 6.38 minutes

Route Metropolitan Line Watford to Aldgate Direction S/B Frequency 2.3 giving AWT of 13.04 minutes

Route Metropolitan Line Watford to Aldgate Direction S/B Frequency 0.7 giving AWT of 42.86 minutes

Route Hammersmith and City Hammersmith (H&C Line) to Barking Direction OUT Frequency 6.0 giving AWT of 5.0 minutes

Route Central Line Debden to Ealing Broadway Direction W/B Frequency 0.7 giving AWT of 42.86 minutes

Route Central Line Ealing Broadway to Epping Direction E/B Frequency 4.0 giving AWT of 7.5 minutes

Route Central Line Ruislip Gardens to Hainault Direction E/B Frequency 1.0 giving AWT of 30.0 minutes

Route Hammersmith and City Barking to Hammersmith (H&C Line) Direction IN Frequency 6.0 giving AWT of 5.0 minutes

Route Central Line West Ruislip to Newbury Park Direction E/B Frequency 0.7 giving AWT of 42.86 minutes

Route Central Line Epping to Northolt Direction W/B Frequency 0.3 giving AWT of 100.0 minutes

Route Central Line Debden to Northolt Direction W/B Frequency 0.7 giving AWT of 42.86 minutes

Route Central Line Loughton to West Ruislip Direction W/B Frequency 0.7 giving AWT of 42.86 minutes Route Central Line Loughton to West Ruislip Direction W/B Frequency 0.7 giving AWT of 42.86 minutes

Route Central Line Hainault to White City Direction W/B Frequency 1.0 giving AWT of 30.0 minutes

Route Central Line Ealing Broadway to Debden Direction E/B Frequency 0.3 giving AWT of 100.0 minutes

Route Central Line West Ruislip to Grange Hill Direction E/B Frequency 1.0 giving AWT of 30.0 minutes

Route Central Line Northolt to Hainault Direction E/B Frequency 1.0 giving AWT of 30.0 minutes

Route Central Line Epping to North Acton Direction W/B Frequency 1.0 giving AWT of 30.0 minutes

Route Central Line Epping to Ruislip Gardens Direction W/B Frequency 0.3 giving AWT of 100.0 minutes

Route Central Line Epping to West Ruislip Direction W/B Frequency 2.3 giving AWT of 13.04 minutes

Route Central Line Debden to West Ruislip Direction W/B Frequency 1.0 giving AWT of 30.0 minutes

Route Central Line Newbury Park to West Ruislip Direction W/B Frequency 0.3 giving AWT of 100.0 minutes

Route Central Line Newbury Park to White City Direction W/B Frequency 0.3 giving AWT of 100.0 minutes

Route Central Line West Ruislip to Debden Direction E/B Frequency 1.0 giving AWT of 30.0 minutes

Route Circle Line Hammersmith (H&C Line) to Edgware Road (Circle Line) Direction OUT Frequency 6.0 giving AWT of 5.0 minutes

Route Central Line North Acton to Loughton Direction E/B Frequency 0.7 giving AWT of 42.86 minutes

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Route Central Line North Acton to Hainault Direction E/B Frequency 0.7 giving AWT of 42.86 minutes  
 Route Metropolitan Line Aldgate to Harrow-on-the-Hill Direction N/B Frequency 2.3 giving AWT of 13.04 minutes  
 Route Central Line Ruislip Gardens to Newbury Park Direction E/B Frequency 1.7 giving AWT of 17.65 minutes  
 Route Central Line North Acton to Newbury Park Direction E/B Frequency 0.3 giving AWT of 100.0 minutes  
 Route Central Line Grange Hill to Northolt Direction W/B Frequency 0.3 giving AWT of 100.0 minutes  
 Route Central Line Loughton to Northolt Direction W/B Frequency 0.3 giving AWT of 100.0 minutes  
 Route Metropolitan Line Chesham to Aldgate Direction S/B Frequency 0.7 giving AWT of 42.86 minutes  
 Route Metropolitan Line Amersham to Aldgate Direction S/B Frequency 3.0 giving AWT of 10.0 minutes  
 Route Central Line Grange Hill to Ealing Broadway Direction W/B Frequency 1.0 giving AWT of 30.0 minutes  
 Route Central Line Epping to Ealing Broadway Direction W/B Frequency 2.3 giving AWT of 13.04 minutes  
 Route Central Line Ruislip Gardens to Loughton Direction E/B Frequency 0.3 giving AWT of 100.0 minutes  
 Route Central Line Ruislip Gardens to Epping Direction E/B Frequency 1.7 giving AWT of 17.65 minutes  
 Route Central Line North Acton to Epping Direction E/B Frequency 0.3 giving AWT of 100.0 minutes  
 Route Central Line White City to Hainault Direction E/B Frequency 0.7 giving AWT of 42.86 minutes  
 Route Central Line West Ruislip to Hainault Direction E/B Frequency 3.0 giving AWT of 10.0 minutes  
 Route Central Line Hainault to North Acton Direction W/B Frequency 1.0 giving AWT of 30.0 minutes  
 Route Central Line Grange Hill to North Acton Direction W/B Frequency 0.3 giving AWT of 100.0 minutes  
 Route Metropolitan Line Aldgate to Watford Direction N/B Frequency 0.3 giving AWT of 100.0 minutes  
 Route Central Line Hainault to West Ruislip Direction W/B Frequency 3.3 giving AWT of 9.09 minutes  
 Route Central Line Newbury Park to West Ruislip Direction W/B Frequency 0.3 giving AWT of 100.0 minutes  
 Route Central Line Grange Hill to White City Direction W/B Frequency 0.7 giving AWT of 42.86 minutes  
 Route Metropolitan Line Uxbridge to Aldgate Direction S/B Frequency 6.3 giving AWT of 4.76 minutes  
 Route Metropolitan Line Aldgate to Amersham Direction N/B Frequency 1.3 giving AWT of 23.08 minutes  
 Route Central Line West Ruislip to Epping Direction E/B Frequency 1.3 giving AWT of 23.08 minutes  
 Route Central Line Northolt to Epping Direction E/B Frequency 0.3 giving AWT of 100.0 minutes  
 Route Metropolitan Line Aldgate to Uxbridge Direction N/B Frequency 4.0 giving AWT of 7.5 minutes  
 Route Metropolitan Line Aldgate to Watford Direction N/B Frequency 4.0 giving AWT of 7.5 minutes  
 Route Metropolitan Line Aldgate to Wembley Park Direction N/B Frequency 1.0 giving AWT of 30.0 minutes  
 Route Central Line Epping to White City Direction W/B Frequency 0.7 giving AWT of 42.86 minutes  
 Route Central Line Loughton to White City Direction W/B Frequency 0.3 giving AWT of 100.0 minutes  
 Route Central Line Hainault to Ealing Broadway Direction W/B Frequency 5.7 giving AWT of 5.26 minutes  
 Route Central Line Loughton to Ealing Broadway Direction W/B Frequency 0.3 giving AWT of 100.0 minutes  
 Route Central Line West Ruislip to Loughton Direction E/B Frequency 0.7 giving AWT of 42.86 minutes  
 Route Central Line White City to Epping Direction E/B Frequency 0.7 giving AWT of 42.86

minutes Stop Barbican

Walk time to stop from POI is 6.85 minutes

Walk distance to stop from POI is 548.37 metres

Route Metropolitan Line Aldgate to Watford Direction N/B Frequency 4.0 giving AWT of 7.5 minutes

Route Metropolitan Line Aldgate to Uxbridge Direction N/B Frequency 4.0 giving AWT of 7.5 minutes

Route Hammersmith and City Barking to Hammersmith (H&C Line) Direction IN Frequency 6.0 giving AWT of 5.0 minutes

Route Metropolitan Line Croyley to Aldgate Direction S/B Frequency 0.3 giving AWT of 100.0 minutes

Route Metropolitan Line Amersham to Aldgate Direction S/B Frequency 3.0 giving AWT of 10.0 minutes

Route Metropolitan Line Aldgate to Amersham Direction N/B Frequency 1.3 giving AWT of 23.08 minutes

Route Hammersmith and City Hammersmith (H&C Line) to Barking Direction OUT Frequency 6.0 giving AWT of 5.0 minutes

Route Metropolitan Line Aldgate to Watford Direction N/B Frequency 0.3 giving AWT of 100.0 minutes

Route Metropolitan Line Aldgate to Wembley Park Direction N/B Frequency 1.0 giving AWT of 30.0 minutes

Route Metropolitan Line Uxbridge to Aldgate Direction S/B Frequency 6.3 giving AWT of 4.76 minutes

Route Metropolitan Line Aldgate to Harrow-on-the-Hill Direction N/B Frequency 2.3 giving AWT of 13.04 minutes

Route Circle Line Edgware Road (Circle Line) to Hammersmith (H&C Line) Direction IN Frequency 6.0 giving AWT of 5.0 minutes

Route Metropolitan Line Watford to Aldgate Direction S/B Frequency 0.7 giving AWT of 42.86 minutes

Route Circle Line Hammersmith (H&C Line) to Edgware Road (Circle Line) Direction OUT Frequency 6.0 giving AWT of 5.0 minutes

Route Metropolitan Line Chesham to Aldgate Direction S/B Frequency 0.7 giving AWT of 42.86 minutes

Route Metropolitan Line Watford to Aldgate Direction S/B Frequency 2.3 giving AWT of 13.04 minutes

Stop Moorgate

Walk time to stop from POI is 4.01 minutes

Walk distance to stop from POI is 321.08 metres

Route Metropolitan Line Amersham to Aldgate Direction S/B Frequency 3.0 giving AWT of 10.0 minutes

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Route Northern Line Mill Hill East to Morden Direction S/B Frequency 0.3 giving AWT of 100.0 minutes  
 Route Metropolitan Line Aldgate to Wembley Park Direction N/B Frequency 1.0 giving AWT of 30.0 minutes  
 Route Northern Line Morden to Edgware Direction N/B Frequency 9.7 giving AWT of 3.09 minutes  
 Route Metropolitan Line Aldgate to Harrow-on-the-Hill Direction N/B Frequency 2.3 giving AWT of 13.04 minutes  
 Route Metropolitan Line Aldgate to Watford Direction N/B Frequency 4.0 giving AWT of 7.5 minutes  
 Route Northern Line High Barnet to Morden Direction S/B Frequency 9.0 giving AWT of 3.33 minutes  
 Route Metropolitan Line Watford to Aldgate Direction S/B Frequency 2.3 giving AWT of 13.04 minutes  
 Route Circle Line Edgware Road (Circle Line) to Hammersmith (H&C Line) Direction IN Frequency 6.0 giving AWT of 5.0 minutes  
 Route Northern Line Morden to Mill Hill East Direction N/B Frequency 2.7 giving AWT of 11.11 minutes  
 Route Northern Line Edgware to Morden Direction S/B Frequency 9.7 giving AWT of 3.09 minutes  
 Route Metropolitan Line Aldgate to Watford Direction N/B Frequency 0.3 giving AWT of 100.0 minutes  
 Route Circle Line Hammersmith (H&C Line) to Edgware Road (Circle Line) Direction OUT Frequency 6.0 giving AWT of 5.0 minutes  
 Route Northern Line Morden to High Barnet Direction N/B Frequency 6.3 giving AWT of 4.76 minutes  
 Route Metropolitan Line Croxley to Aldgate Direction S/B Frequency 0.3 giving AWT of 100.0 minutes  
 Route Metropolitan Line Chesham to Aldgate Direction S/B Frequency 0.7 giving AWT of 42.86 minutes  
 Route Metropolitan Line Uxbridge to Aldgate Direction S/B Frequency 6.3 giving AWT of 4.76 minutes  
 Route Metropolitan Line Aldgate to Amersham Direction N/B Frequency 1.3 giving AWT of 23.08 minutes  
 Route Hammersmith and City Barking to Hammersmith (H&C Line) Direction IN Frequency 6.0 giving AWT of 5.0 minutes  
 Route Metropolitan Line Aldgate to Uxbridge Direction N/B Frequency 4.0 giving AWT of 7.5 minutes  
 Route Metropolitan Line Watford to Aldgate Direction S/B Frequency 0.7 giving AWT of 42.86 minutes  
 Route Hammersmith and City Hammersmith (H&C Line) to Barking Direction OUT Frequency 6.0 giving AWT of 5.0 minutes

TATs for this mode

Route Central Line White City to Newbury Park Stop Liverpool Street TAT 110.43 minutes EDF 0.27  
 Route Central Line Grange Hill to West Ruislip Stop Liverpool Street TAT 40.43 minutes EDF 0.74  
 Route Circle Line Edgware Road (Circle Line) to Hammersmith (H&C Line) Stop Moorgate TAT 9.76 minutes EDF 3.07  
 Route Central Line Ealing Broadway to Newbury Park Stop Liverpool Street TAT 53.29 minutes EDF 0.56  
 Route Central Line Hainault to Northolt Stop Liverpool Street TAT 33.51 minutes EDF 0.9 Route Central Line Ruislip Gardens to Hainault Stop Liverpool Street TAT 40.43 minutes EDF 0.74 Route Central Line Debden to Ruislip Gardens Stop Liverpool Street TAT 110.43 minutes EDF 0.27 Route Metropolitan Line Croxley to Aldgate Stop Moorgate TAT 104.76 minutes EDF 0.29 Route Central Line White City to Loughton Stop Liverpool Street TAT 40.43 minutes EDF 0.74 Route Central Line Hainault to Ealing Broadway Stop Liverpool Street TAT 15.7 minutes EDF 1.91 Route Metropolitan Line Watford to Aldgate Stop Moorgate TAT 17.81 minutes EDF 1.68 Route Metropolitan Line Aldgate to Watford Stop Moorgate TAT 12.26 minutes EDF 2.45 Route Hammersmith and City Barking to Hammersmith (H&C Line) Stop Moorgate TAT 9.76 minutes EDF 3.07 Route Central Line Debden to Ealing Broadway Stop Liverpool Street TAT 53.29 minutes EDF 0.56 Route Central Line Ealing Broadway to Epping Stop Liverpool Street TAT 17.93 minutes EDF 1.67 Route Central Line West Ruislip to Newbury Park Stop Liverpool Street TAT 53.29 minutes EDF 0.56 Route Central Line Epping to Northolt Stop Liverpool Street TAT 110.43 minutes EDF 0.27 Route Central Line Debden to Northolt Stop Liverpool Street TAT 53.29 minutes EDF 0.56 Route Central Line Loughton to West Ruislip Stop Liverpool Street TAT 53.29 minutes EDF 0.56 Route Central Line Hainault to White City Stop Liverpool Street TAT 40.43 minutes EDF 0.74 Route Central Line Epping to North Acton Stop Liverpool Street TAT 40.43 minutes EDF 0.74 Route Central Line Ruislip Gardens to Epping Stop Liverpool Street TAT 28.08 minutes EDF 1.07 Route Central Line Epping to West Ruislip Stop Liverpool Street TAT 23.48 minutes EDF 1.28 Route Central Line Debden to West Ruislip Stop Liverpool Street TAT 40.43 minutes EDF 0.74 Route Central Line Ruislip Gardens to Newbury Park Stop Liverpool Street TAT 28.08 minutes EDF 1.07 Route Central Line North Acton to Loughton Stop Liverpool Street TAT 53.29 minutes EDF 0.56 Route Central Line Hainault to North Acton Stop Liverpool Street TAT 40.43 minutes EDF 0.74 Route Metropolitan Line Aldgate to Harrow-on-the-Hill Stop Moorgate TAT 17.81 minutes EDF 1.68 Route Central Line North Acton to Newbury Park Stop Liverpool Street TAT 110.43 minutes EDF 0.27 Route Central Line Grange Hill to Northolt Stop Liverpool Street TAT 110.43 minutes EDF 0.27 Route Central Line Loughton to Northolt Stop Liverpool Street TAT 110.43 minutes EDF 0.27 Route Metropolitan Line Chesham to Aldgate Stop Moorgate TAT 47.62 minutes EDF 0.63 Route Metropolitan Line Amersham to Aldgate Stop Moorgate TAT 14.76 minutes EDF 2.03 Route Central Line Grange Hill to Ealing Broadway Stop Liverpool Street TAT 40.43 minutes EDF 0.74 Route Central Line Ruislip Gardens to Loughton Stop Liverpool Street TAT 110.43 minutes EDF 0.27 Route Central Line Hainault to West Ruislip Stop Liverpool Street TAT 19.52 minutes EDF 1.54 Route Central Line Grange Hill to North Acton Stop Liverpool Street TAT 110.43 minutes EDF 0.27 Route Central Line Grange Hill to White City Stop Liverpool Street TAT 53.29 minutes EDF 0.56 Route Metropolitan Line Uxbridge to Aldgate Stop Moorgate TAT 9.53 minutes EDF 3.15 Route Metropolitan Line Aldgate to Wembley Park Stop Moorgate TAT 34.76 minutes EDF 0.86 Route Central Line Epping to White City Stop Liverpool Street TAT 53.29 minutes EDF 0.56 Route Central Line Loughton to Ealing Broadway Stop Liverpool Street TAT 110.43 minutes EDF 0.27 Route Northern Line Morden

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to Mill Hill East Stop Moorgate TAT 15.87 minutes EDF 1.89 Route Northern Line Morden to Edgware Stop Moorgate TAT 7.86 minutes EDF 3.82 Route Northern Line High Barnet to Morden Stop Moorgate TAT 8.1 minutes EDF 3.71

Best EDF is 3.82 Half of all other EDFs is 23.42

AI for this mode is 27.23

## Rail Services

Reliability factor for this mode is .75 Maximum walk time for this mode is 12 minutes Maximum walk distance for this mode is 960.0 metres

Stop BARBICAN

Walk time to stop from POI is 6.85 minutes

Walk distance to stop from POI is 548.37 metres

Route LUTON to MOORGATE Direction T82-T621 Frequency 0.67 giving AWT of 44.78 minutes Route LUTON to MOORGATE Direction T82-T621 Frequency 0.33 giving AWT of 90.91 minutes Route BEDFORD MIDLAND to MOORGATE Direction T72-T621 Frequency 2.6 giving AWT of 11.54 minutes Route BEDFORD MIDLAND to MOORGATE Direction T72-T621 Frequency 1.0 giving AWT of 30.0 minutes Route ST ALBANS BR to MOORGATE Direction T86-T621 Frequency 0.67 giving AWT of 44.78 minutes

Stop MOORGATE

Walk time to stop from POI is 4.01 minutes

Walk distance to stop from POI is 321.08 metres

Route WELWYN GARDEN CITY to MOORGATE Direction T661-T621 Frequency 0.33 giving AWT of 90.91 minutes Route MOORGATE to LETCHWORTH Direction T621-T648 Frequency 1.0 giving AWT of 30.0 minutes Route MOORGATE to STEVENAGE Direction T621-T650 Frequency 0.67 giving AWT of 44.78 minutes Route GORDON HILL to MOORGATE Direction T637-T621 Frequency 1.33 giving AWT of 22.56 minutes Route LUTON to MOORGATE Direction T82-T621 Frequency 0.67 giving AWT of 44.78 minutes Route MOORGATE to BEDFORD MIDLAND Direction T621-T72 Frequency 0.6 giving AWT of 50.0 minutes Route STEVENAGE to MOORGATE Direction T650-T621 Frequency 0.33 giving AWT of 90.91 minutes Route HERTFORD NORTH to MOORGATE Direction T645-T621 Frequency 2.0 giving AWT of 15.0 minutes Route HERTFORD NORTH to MOORGATE Direction T645-T621 Frequency 0.67 giving AWT of 44.78 minutes Route WELWYN GARDEN CITY to MOORGATE Direction T661-T621 Frequency 0.33 giving AWT of 90.91 minutes Route BEDFORD MIDLAND to MOORGATE Direction T72-T621 Frequency 2.6 giving AWT of 11.54 minutes Route WELWYN GARDEN CITY to MOORGATE Direction T661-T621 Frequency 2.33 giving AWT of 12.88 minutes Route LETCHWORTH to MOORGATE Direction T648-T621 Frequency 0.33 giving AWT of 90.91 minutes Route ST ALBANS BR to MOORGATE Direction T86-T621 Frequency 0.67 giving AWT of 44.78 minutes Route MOORGATE to LUTON Direction T621-T82 Frequency 0.67 giving AWT of 44.78 minutes Route MOORGATE to LUTON Direction T621-T82 Frequency 0.33 giving AWT of 90.91 minutes Route LETCHWORTH to MOORGATE Direction T648-T621 Frequency 0.67 giving AWT of 44.78 minutes Route BEDFORD MIDLAND to MOORGATE Direction T72-T621 Frequency 1.0 giving AWT of 30.0 minutes Route MOORGATE to ST ALBANS BR Direction T621-T86 Frequency 1.0 giving AWT of 30.0 minutes Route LUTON to MOORGATE Direction T82-T621 Frequency 0.33 giving AWT of 90.91 minutes

TATs for this mode Route LUTON to MOORGATE Stop MOORGATE TAT 49.54 minutes EDF 0.61 Route LUTON to MOORGATE Stop MOORGATE TAT 95.67 minutes EDF 0.31 Route BEDFORD MIDLAND to MOORGATE Stop MOORGATE TAT 16.3 minutes EDF 1.84 Route BEDFORD MIDLAND to MOORGATE Stop MOORGATE TAT 34.76 minutes EDF 0.86 Route ST ALBANS BR to MOORGATE Stop MOORGATE TAT 49.54 minutes EDF 0.61 Route WELWYN GARDEN CITY to MOORGATE Stop MOORGATE TAT 95.67 minutes EDF 0.31 Route MOORGATE to LETCHWORTH Stop MOORGATE TAT 34.76 minutes EDF 0.86

Route MOORGATE to LETCHWORTH Stop MOORGATE TAT 34.76 minutes EDF 0.86 Route MOORGATE to STEVENAGE Stop MOORGATE TAT 49.54 minutes EDF 0.61 Route GORDON HILL to MOORGATE Stop MOORGATE TAT 27.32 minutes EDF 1.1 Route MOORGATE to BEDFORD MIDLAND Stop MOORGATE TAT 54.76 minutes EDF 0.55 Route STEVENAGE to MOORGATE Stop MOORGATE TAT 95.67 minutes EDF 0.31 Route HERTFORD NORTH to MOORGATE Stop MOORGATE TAT 19.76 minutes EDF 1.52 Route HERTFORD NORTH to MOORGATE Stop MOORGATE TAT 49.54 minutes EDF 0.61 Route WELWYN GARDEN CITY to MOORGATE Stop MOORGATE TAT 95.67 minutes EDF 0.31 Route WELWYN GARDEN CITY to MOORGATE Stop MOORGATE TAT 17.64 minutes EDF 1.7 Route LETCHWORTH to MOORGATE Stop MOORGATE TAT 95.67 minutes EDF 0.31 Route MOORGATE to LUTON Stop MOORGATE TAT 49.54 minutes EDF 0.61 Route MOORGATE to LUTON Stop

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MOORGATE TAT 95.67 minutes EDF 0.31 Route LETCHWORTH to MOORGATE Stop MOORGATE TAT 49.54 minutes EDF 0.61 Route MOORGATE to ST ALBANS BR Stop MOORGATE TAT 34.76 minutes EDF 0.86

Best EDF is 1.84

Half of all other EDFs is 6.48

AI for this mode is 8.32

Total AI for this POI is 51.81. X: 532515, Y: 181851.

**PTAL Rating is 6b.**