

Barnes Hospital London Borough of Richmond upon Thames

Framework Workplace Travel Plan

For

South West London & St George's Mental Health Trust





Document Control Sheet

Framework Workplace Travel Plan
Barnes Hospital, London Borough of Richmond upon Thames
South West London & St George's Mental Health Trust

This document has been issued and amended as follows:

Date	Issue	Prepared by	Approved by
19/10/2018	Draft	James Werby	David Lewis
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Contents

1.0	Introduction	1
2.0	Baseline Conditions	2
3.0	Objectives	6
1.0	Management Strategy	7
5.0	Targets	8
5.0	Travel Plan Measures	9
7.0	Monitoring and Review	11
3.0	Action Plan	12

Figures

- 2.1 Site Location Plan
- 2.2 Cycle Route Map

Appendices

- A PTAL Assessment
- B Bus Route Spider Map
- C 2011 Census Data



1.0 Introduction

- 1.1 Motion has been appointed by the South West London & St George's Mental Health Trust ('the Trust') to prepare this Framework Workplace Travel Plan in relation to development proposals at the Barnes Hospital site within the London Borough of Richmond upon Thames (LBRuT).
- 1.2 The application site is situated within the Barnes area of LBRuT and is bound to the north by South Worple Way, to the east by South Worple Avenue, to the west by Old Mortlake Burial Ground and fronts residential properties to the south.
- 1.3 The site is currently occupied by Barnes Hospital which provides circa 6,950 square metres of C2 medical facilities. There are currently three vehicle accesses to the site. The eastern access operates as an inbound only entrance, the central access operates as an outbound only exit and the western access to the site is not currently in use.
- 1.4 The current proposals seek "outline planning permission for the demolition and comprehensive redevelopment (phased development) of land at Barnes Hospital to provide a mixed use development comprising a health centre (Use Class D1), a Special Educational Needs (SEN) School (Use Class D1), up to 80 new build residential units (Use class C3), the conversion of two of the retained BTMs for use for up 3no. residential units (Use Class C3), the conversion of one BTM for medical use (Use Class D1), car parking, landscaping and associated works. All matters reserved save for the full details submitted in relation to access points at the site boundaries."

Report Structure

- 1.5 A Travel Plan is a management tool that allows a coordinated strategy to bring together daily travel issues and achieve a more sustainable travel choice. A successfully implemented Travel Plan can offer substantial gains towards the sustainable transport objectives of central and local government.
- 1.6 This is a Framework Workplace Travel Plan provides information specifically for the health centre and SEN school elements of the proposals. This Framework Travel Plan will form the basis of Final Travel Plans, which will be separately prepared for the SEN school and health hub.
- 1.7 The remainder of this report is structured as follows:
 - Section 2 Baseline Conditions;
 - Section 3 Objectives;
 - Section 4 Management Strategy;
 - Section 5 Targets;
 - Section 6 Travel Plan Measures;
 - Section 7 Monitoring and Review; and
 - Section 8 Action Plan.



2.0 Baseline Conditions

- 2.1 The application site is situated within the Barnes area of LBRuT and is bound to the north by South Worple Way, to the east by South Worple Avenue, to the west by Old Mortlake Burial Ground and fronts residential properties to the south.
- 2.2 The site location in relation to the surrounding area is shown in Figure 2.1.

Local Highway Network

- 2.3 South Worple Way is a two-way carriageway operating in an east-west alignment and runs parallel to the railway line. To the east of the site South Worple Way connects with White Hart Lane and a railway level crossing is located directly north of the junction between South Worple Way and White Hart Lane. At the junction between South Worple Way and White Hart Lane, the left turn movement out of South Worple Way is restricted such that all vehicles are required to turn right out of onto White Hart Lane (southbound).
- 2.4 White Hart Lane is a two-way carriageway operating in a north-south alignment and connects to Mortlake High Street (A3003) to the north and with Upper Richmond Road West (A205) via Priests Bridge to the south. Mortlake High Street creates a link between the A316 to the west and Hammersmith Bridge to the north east.
- 2.5 The streets in the immediate vicinity of the site are not currently subject to any parking controls and the site is not situated within a controlled parking zone. However, the streets to the north of the railway are within LBRuT Controlled Parking Zone (CPZ) M. In addition, the streets to the west of the site, west of Trehern Road are part of CPZ ES.
- 2.6 It is also noteworthy that LBRuT are bringing forward proposals for a CPZ on the streets in the vicinity of the site, including South Worple Way and will be introduced as Zone B2.

Sustainable Transport Accessibility

- 2.7 It is generally accepted that walking and cycling provide important alternatives to the private car, and should also be encouraged to form part of longer journeys via public transport. The Chartered Institution of Highways and Transportation (CIHT) have prepared several guidance documents that provide advice with respect to the provision of sustainable travel in conjunction with new developments. Within these documents it is suggested that:
 - ▶ Most people will walk to a destination that is less than one mile (Planning for Walking, 2015);
 - ▶ The bicycle is a potential mode of transport for all journeys under five miles (approximately 8 kilometres) (Planning for Cycling, 2015); and,
 - ▶ Walking distances to bus stops should not exceed 400 metres, whilst people are prepared to walk twice as far to rail stations (Planning for Walking, 2015).

Accessibility by Foot

- 2.8 South Worple Way benefits from a footway on the southern side of the carriageway, which connects east to White Hart Lane and west to Sheen Lane. This footway connects with streets from South Worple Way, which connect south towards the Upper Richmond Road West (A205). Dropped kerbs and tactile paving are provided at all junctions in the immediate vicinity of the site.
- 2.9 The site is bound by South Worple Avenue to the east, which is a public right of way (PROW). This provides a traffic free pedestrian route towards White Hart Lane to the south east of the site.
- 2.10 To the west of the application site there is a pedestrian footbridge across the railway line which provides a connection north towards the bus stops on Avondale Road to the north creating a safe route across the railway track. To the south, signalised pedestrian crossings connect Priests Bridge to Upper Richmond Road West (A205) and creates a safe crossing to local bus stops, shops and services.



- 2.11 There is currently no footbridge over White Hart Lane level crossing to the east of the site. However, recent proposals to implement a new footbridge over the crossing have been permitted, which will improve pedestrian safety and connectivity in the area.
- 2.12 It is evident that the existing pedestrian infrastructure in the vicinity of the site provides the opportunity for future staff and visitors to the site to undertake journeys on foot with connections to local shops, services and facilities as well as public transport opportunities and residential areas.

Accessibility by Cycle

- 2.13 The site is well located with regard to cycle opportunities with a range of signed and recommended cycle routes in the immediate vicinity as highlighted by TfL's Local Cycling Guide. Cycle routes are illustrated on Figure 2.2, along with further information on the routes detailed below.
- 2.14 The TfL Local Cycling Guide highlights South Worple Way as a quiet route recommended by cyclists. This connects with further recommended routes on White Hart Lane, Rosslyn Avenue and Woodlands Road which connect east towards Barnes station. East of Barnes station there are signed cycle routes on Upper Richmond Road towards Putney and Putney Bridge.
- 2.15 To the west of the application site, Sheen Lane is a signed cycle route and this connects south to offroad cycle routes through Richmond Park. Further signed cycle routes are provided along St Leonards Road and Tangier Road which link west towards North Sheen station.

Public Transport Accessibility Level (PTAL)

- 2.16 Public Transport Accessibility Levels (PTALs) provide a guide to the relative accessibility of a site. PTAL scores range from 1 to 6b, where 6b is the highest score and 1 is the lowest.
- 2.17 The Transport for London online PTAL calculator, WebCAT, indicates that the application site achieves a PTAL of 2. However, from a review of the WebCAT PTAL output report it is evident that the analysis does not include consideration of all pedestrian routes in the vicinity of the site and therefore underestimates the PTAL score and public transport accessibility of the site. In particular, the WebCAT assessment does not include consideration of the pedestrian footbridge across the railway line to the west of the site, which provides a connection north towards bus stops on Avondale Road and Mortlake High Street.
- 2.18 In addition, a new footbridge is to be provided by LBRuT/Network Rail/TfL, which will enhance pedestrian connectivity and improve the pedestrian links to nearby public transport facilities.
- 2.19 On that basis a manual PTAL assessment has been undertaking in order to accurately assess the PTAL score of the application site. The full manual PTAL assessment is attached at Appendix A and demonstrates that the site achieves a PTAL of 4, indicating a good level of accessibility to public transport services.

Accessibility by Bus

- 2.20 The nearest bus stops to the site are located approximately 300 metres to the south east of the site on Upper Richmond Road West (A205). These stops are served by routes 33, 337 and 493 and provide a regular connection towards Hammersmith, Richmond, Clapham Junction and Tooting.
- 2.21 Further bus stops are located north of the site on Avondale Road and Mortlake High Street which are served by services 209, 419, 609, 969 and N22. The bus stops to the north can either be accessed via the railway level crossing to the east of the site or via the pedestrian footbridge to the west of the site.
- 2.22 A copy of the TfL local bus route spider map is attached at Appendix B.



Accessibility by Rail

- 2.23 Mortlake railway station is located approximately 750 metres to the west of the site and is managed by South Western Railway. Services from Mortlake station operate to London Waterloo every 15 minutes and to both Wimbledon and Chiswick every 30 minutes during peak periods.
- 2.24 Barnes Bridge station is located approximately 750 metres to the north east of the site and is also managed by South Western Railway. Services from here operate to London Waterloo every 15 minutes and to both Weybridge and Hounslow every 30 minutes.
- 2.25 In addition, the bus services which call within the vicinity of the site provide connections to both Mortlake and Barnes Bridge stations, along with a connection to North Sheen, Barnes, Richmond, Southfields and Wimbledon stations. The connections to Richmond, Southfields and Wimbledon provide access to the London Underground District Line.
- 2.26 It is evident that the site is well placed for future staff and visitors to undertake journeys by rail with a number of train stations in the vicinity of the site providing access to a range of destinations. Furthermore, local bus services provide access to further rail stations, providing the opportunity for interchange between public transport and access to a wider range of destinations.

Car Club

- 2.27 Car Clubs can help to reduce car ownership by offering the convenience of a car, without the costs of repairs, servicing, insurance and parking.
- 2.28 The nearest car club car to the site is located on Thorne Street, approximately 380 metres north-east of the application site and is operated by ZipCar. Further car club cars, operated by ZipCar, are located on Avondale Road, Mortlake High Street and Vernon Road within a short walk of the site.

Baseline Travel Behaviour

2.29 In order to establish the existing baseline travel behaviour for staff associated with the proposed school and health hub, reference has also been made to Census data extracted from the *Nomis* website. Details of the data extracted from the 2011 Census is summarised in Table 2.1 and provided in **Appendix C** for completeness.

Mode of Travel	Output Area Richmond upon Thames 003 (%)
Underground	10
Rail	18
Bus	11
Car/van driver	37
Car/van passenger	2
Taxi	0
Motorcycle	1
Pedal Cycle	7
On foot	14
TOTAL	100

Table 2.1: Method of travel to work (staff)

2.30 Table 2.1 indicates that 60% of people travelling into Richmond upon Thames output area 003 for work, travel via sustainable modes of transport (i.e. public transport, walking and cycling) and 37% travel by private car. This suggests that the existing infrastructure in the vicinity of the site will encourage future employees at the site to travel by more sustainable modes of transport.



Summary

- 2.31 The above review demonstrates that, in accordance with local and national planning policy, the site is situated in an accessible location with a range of sustainable transport choices in the vicinity of the site.
- 2.32 The pedestrian and cycle facilities in the vicinity of the site provide the opportunity for future staff and visitors to undertake journeys by foot or cycle and provide access to a range of destinations. Furthermore, the pedestrian and cycle facilities provide a connection to the public transport infrastructure in the vicinity of the site,
- 2.33 The site achieves a PTAL of 4 which highlights good accessibility to public transport opportunities. There a number of bus services and train stations in the vicinity of the site providing a choice of public transport routes providing access to a range of destinations.



3.0 Objectives

- 3.1 The principle objectives of this FTP have been developed with references to relevant policy and guidance. These are set out below:
 - ▶ To increase awareness of the use of sustainable modes of travel and to encourage their use;
 - ▶ To increase awareness of the environmental impacts of travel by the private car;
 - ▶ To promote walking and cycling as a health benefit to employees;
 - ▶ To reduce the perceived safety risk associated with the alternatives of walking and cycling; and,
 - ▶ To reduce car dependency.
- 3.2 To achieve the objectives of this FTP and overall management strategy has been developed for the introduction of a Travel Plan including potential measures to encourage sustainable travel choices and a process of monitoring and review to enable assessment of the success of the Travel Plan. This is detailed in the next sections of this report.



4.0 Management Strategy

- 4.1 A Travel Plan Coordinator will be appointed to implement and administer the Travel Plan. The Travel Plan Coordinator will take overall responsibility for the day-to-day operation of the Travel Plan and the implementation of associated measures.
- 4.2 The primary responsibilities of the Travel Plan Coordinator will therefore include:
 - ► Establishing and maintaining a filing system for recording all correspondence relating to the Travel Plan;
 - Coordinating the travel survey questionnaire;
 - ▶ The implementation of measures as set out within the Travel Plan;
 - Report to and consulting with the London Borough of Richmond upon Thames and other relevant stakeholders regarding the implementation and progression of the Travel Plan;
 - Managing the development of the Travel Plan measures;
 - Promoting the objectives and benefits of the Travel Plan; and,
 - Acting as a point of contact for queries relating to the Travel Plan.
- 4.3 The contact details of the Travel Plan Coordinator will be included within the Travel Plan, once appointed.



5.0 Targets

- 5.1 Travel Plan targets can be used to assess the effectiveness of a Travel Plan and identify which areas require attention in terms of prioritising resources such as time, cost and labour.
- Targets will be used to assess the effectiveness of the initiatives implemented and to focus attention on meeting the objectives identified in Section 3 of this document. The ultimate aim of the Travel Plan is to reduce car journeys to and from the site and to encourage use of sustainable travel. The targets will be Specific, Measureable, Achievable, Realistic and Time-Bound (SMART).
- 5.3 Upon 75% occupation of the development, a travel survey will be carried out to identify the modal split of staff. The survey will be distributed to employees by the Travel Plan Co-ordinator. The survey will be TRICS compliant.
- As the travel behaviour and patterns of future staff are not yet known, an estimate of baseline travel patterns has been provided based on travel to work figures from the 2011 Census data for the middle layer super output area, which is Richmond upon Thames 003. These will be updated following occupation of the development and undertaking the baseline travel survey.

Interim Targets

5.5 Given the development is not yet occupied and baseline travel surveys have not been undertaken, final targets for the Travel Plan cannot be identified. However, to provide an indication of likely targets Table 5.1 below provides indicative targets for the Travel Plan. These would be fully reviewed and amended following the baseline surveys after occupation of the development.

Method of Travel	Baseline (%)	Year 1 (%)	Year 3 (%)	Year 5 (%)
Underground	10	10	10	10
Rail	18	19	20	21
Bus	11	11	11.5	12
Car/van driver	37	35	32	29
Car/van passenger	2	2	2	2
Taxi	0	0	0	0
Motorcycle	1	1	1	1
Pedal Cycle	7	8	9	10
On foot	14	14	14.5	15
Total	100	100	100	100

Table 5.1: Interim Mode Share Targets



6.0 Travel Plan Measures

6.1 This section of the Travel Plan outlines the measures that could be implemented at the site in order to encourage travel by more sustainable transport modes. As far as possible, the measures below are designed to be suitable for review and monitoring. The list is not exhaustive and the Travel Plan Coordinator will be free to investigate other potential initiatives that are suitable for achieving Travel Plan objectives.

Measures to Promote Walking

- 6.2 In order to support travel to and from the site on foot:
 - Promotional information will be produced (i.e. leaflets/website etc) advising staff and visitors of pedestrian routes to and from the site with indicative walking distances and time to local amenities shown; and,
 - Staff and visitors will be made aware of the associated health benefits of walking.

Measures to Promote Cycling

- 6.3 To encourage travel to and from the site by cycling:
 - Staff and visitors will be provided with information and advice concerning cycle routes to the site, with indicative cycling distances and times shown;
 - ▶ Staff and visitors will be made aware of the associated health benefits of cycling; and,
 - Secure cycle parking facilities will be provided on site and the levels of use will be monitored and additional parking facilities provided should demand warrant it.

Measures to Promote Public Transport

- 6.4 To encourage staff to travel to and from the site by public transport:
 - Staff and visitors will be provided with information and advice about local public transport services and routes;
 - The Travel Plan Coordinator will investigate the potential for public transport incentives for staff, such as subsidies for tickets;
 - Establish a public transport user group; and
 - Promotion of season ticket loans for permanent staff.

Travel by Minibus

6.5 The school element of the proposals is likely to accommodate between 50-90 pupils. It is envisaged that all pupils will be travelling to the site by a Local Authority commissioned minibus. The internal site layout has been designed so that minibuses can enter the site, drop-off/pick-up students and leave the site in a forward gear.

Provision of Travel Information

- 6.6 The Travel Plan Coordinator work with the Trusts communication team to circulate travel information to the Trusts staff. This could include:
 - Providing staff information about sustainable travel choices and make staff aware of the existence of the Travel Plan;
 - Provide information on local walking and cycling routes, as well as local bus services;



Encouraging the use of video conferencing facilities and promotion of video conferencing facilities,
 where available

Continued Marketing and Promotion

- 6.7 The Travel Plan Coordinator will display bus and rail timetable information on notice boards throughout the development for the benefit of staff. These will be updated as and when required.
- 6.8 The Travel Plan Coordinator will promote all aspects of the Travel Plan with use of the following tools and initiatives:
 - ▶ The Travel Plan Coordinator will investigate the benefit of Personalised Travel Planning (PTP) for staff. If considered appropriate they will be offered advice on their travel options for their journeys to work to help them form sustainable travel patterns.
 - Site notice boards in public areas will be regularly updated to keep staff and visitors informed of available travel services and facilities, including any changes to them; and
 - ► The Travel Plan Coordinator will raise awareness of the Travel Plan objectives, targets and progress towards targets via the notice boards.



7.0 Monitoring and Review

Introduction

7.1 A programme of monitoring and review has been designed to generate information by which the role of the Travel Plan can be evaluated. Monitoring and review will be the responsibility of the Travel Plan Coordinator.

Monitoring

- 7.2 The monitoring measures incorporate both the collection of 'hard' analytical data and 'soft' data in the form of general feedback and correspondence.
 - Monitor demand for additional cycle parking; and,
 - ▶ Record comments received from staff relating to the operation and implications of the Travel Plan.
- 7.3 Information gathered through the monitoring process will be recorded for input to the biennial review (outlined below) and made available to the London Borough of Richmond upon Thames.

Targets and Review

- 7.4 Following occupation of the development a baseline travel survey will be undertaken to establish the current travel patterns of staff and their attitudes towards sustainable travel choices.
- 7.5 A travel questionnaire survey will be issued to all staff within three months of occupation of the site. The aim of the travel questionnaire is to identify initial travel issues and to refine and prioritise measures. The results of the survey will be used for monitoring purposes to assess the success of the Travel Plan.
- 7.6 Based on the baseline travel survey, targets will be identified and will be used to assess the effectiveness of the initiatives implemented and to focus attention on meeting the objectives of the Travel Plan. The targets will be Specific, Measureable, Achievable, Realistic and Time-Bound (SMART). The updated Travel Plan, including the results of the baseline travel survey, will be prepared within 6 months of occupation.
- 7.7 Following the initial review within 6 months of occupation, the Travel Plan will be reviewed in Years 1, 3 and 5 of the Travel Plan and will be scheduled to be on, or about, the anniversary of the baseline travel survey.
- 7.8 The purpose of the reviews will be to ensure that the Travel Plan is on track and that targets have substantially been met. Ways to improve and develop the Travel Plan if targets are not being met will be explored. This could be through a re-examination of the Travel Plan to ensure that all possible activities have been implemented and considering new measures that could replace those that were not successful or effective.
- 7.9 The major element of the review will involve the re-issue of the staff travel questionnaire. The re-issue of the questionnaire to all staff offers the opportunity to gather new information about wider staff attitudes to travel. Analysis of the questionnaire will also yield up-dated modal-split information for comparison with data derived at the introduction of the Travel Plan, free of seasonal bias.
- 7.10 The Travel Plan Coordinator will compile a report outlining the results of the review. The report will also incorporate the results of on-going monitoring throughout the preceding period. The report will be filed for record.



8.0 Action Plan

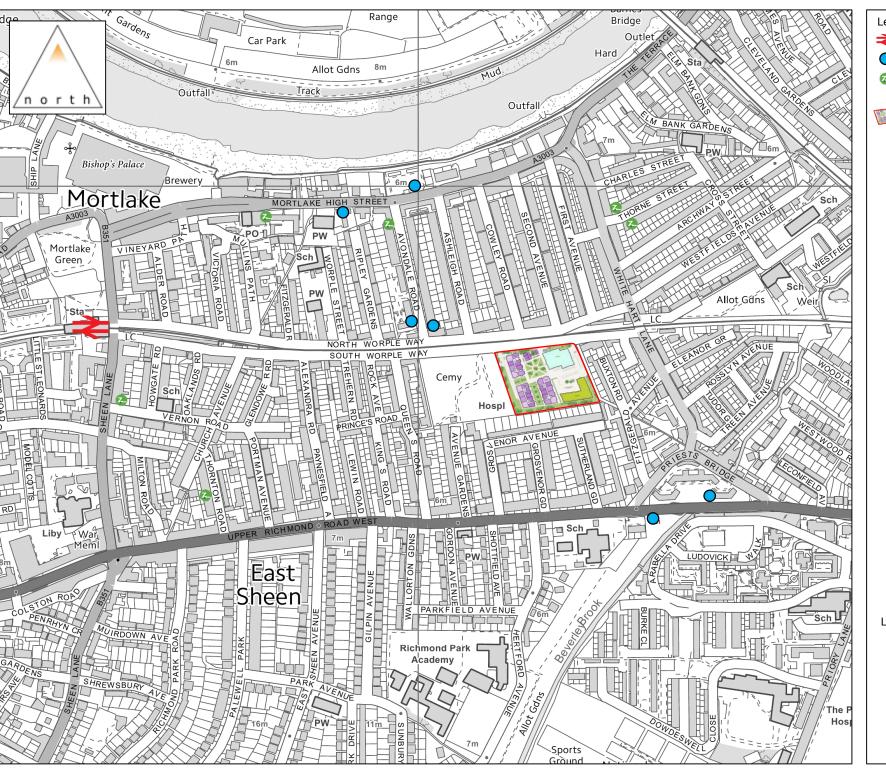
8.1 Table 8.1 below provides an Action Plan for the implementation of the Travel Plan at the site.

Action	Timescale	Responsibility
Install on-site cycle parking spaces	Prior to occupation	Developer
Appoint a Travel Plan Coordinator	Prior to occupation	Developer
Install noticeboards	Prior to occupation	Travel Plan Coordinator
Carry out travel survey	Following 70% occupation	Travel Plan Coordinator
Update Travel Plan	Within 1 month of receipt of travel survey	Travel Plan Coordinator
Promote the health benefits of walking and cycling	Ongoing from first occupation	Travel Plan Coordinator
Monitor the use of on-site cycle parking	Ongoing from first occupation	Travel Plan Coordinator
Review the Travel Plan	Annually	Travel Plan Coordinator
Repeat travel survey	Years 1, 3 and 5 of Travel Plan	Travel Plan Coordinator

Table 8.1: Travel Plan Action Plan



Figures



Legend:

Mortlake Station

Local Bus Stops

ZipCar Car Club Locations

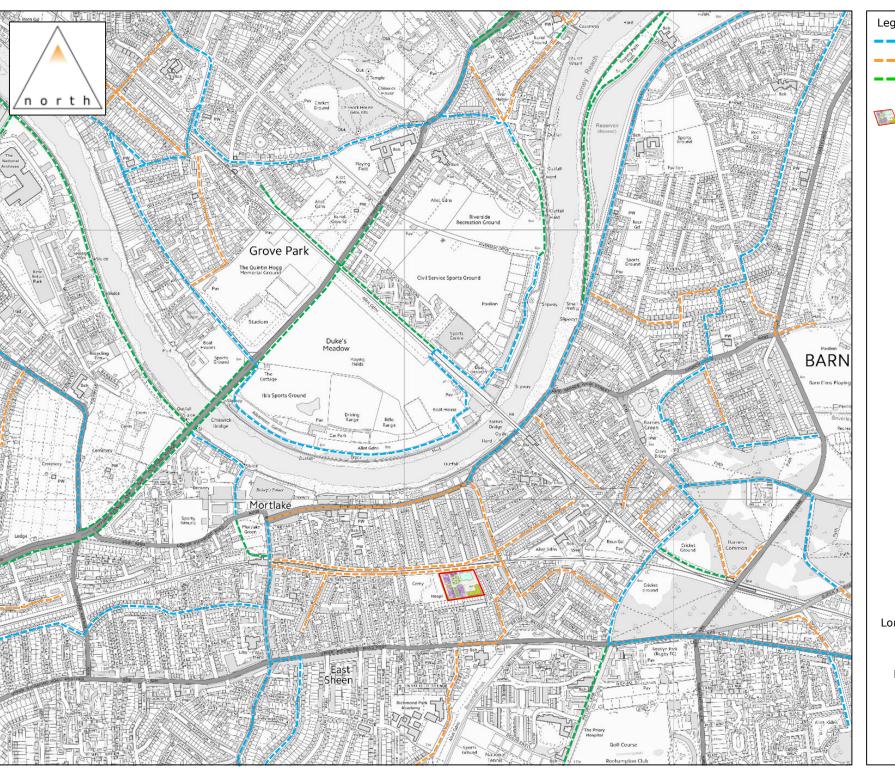
Site Location

Barnes Hospital, London Borough of Richmond upon Thames

Figure 2.1 Site Location Plan

Not to Scale





Legend:

-- Signed Route

-- Recommended Route

Off-Road Route

Site Location

Barnes Hospital, London Borough of Richmond upon Thames

Figure 2.2 Local Cycle Routes

Not to Scale





Appendix A

PTAL Assessment

Manual PTAL Assessment

	service	distance	frequency/hr	walk time	swt	awt	tat	edf	weight	ai
	33	350	8.57	4.38	3.50	5.50	9.88	3.04	0.5	1.52
	209	400	13.33	5.00	2.25	4.25	9.25	3.24	1	3.24
bus	337	350	5.22	4.38	5.75	7.75	12.13	2.47	0.5	1.24
	419	600	4.00	7.50	7.50	9.50	17.00	1.76	0.5	0.88
	493	350	5.45	4.38	5.50	7.50	11.88	2.53	0.5	1.26
	bb-wey	800	2	10	1.00	1.75	11.75	2.55	0.5	1.28
barnes bridge	bb-wat	800	4	10	2.00	2.75	12.75	2.35	0.5	1.18
	bb-houn	800	2	10	1.00	1.75	11.75	2.55	1	2.55
	m-wat	800	4	10	2.00	2.75	12.75	2.35	0.5	1.18
mortlake	m-wim	800	2	10	1.00	1.75	11.75	2.55	0.5	1.28
	m-chi	800	2	10	1.00	1.75	11.75	2.55	0.5	1.28

16.88

Total

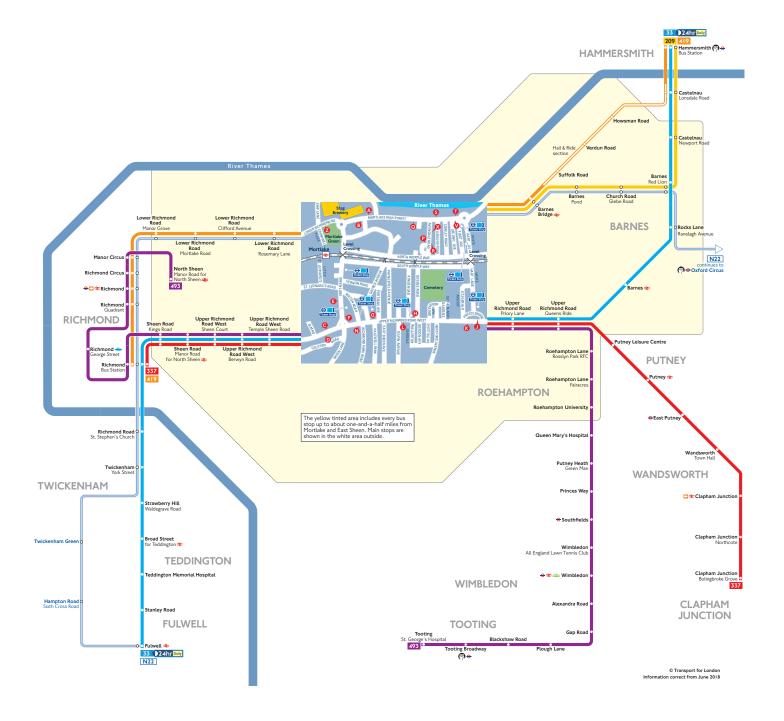
PTAL 4



Appendix B

TfL Bus Spider Map

Buses from Mortlake and East Sheen



Route finder

Bus route	Towards	Bus stops		
33 D24hr Daily	Fulwell	0000		
	Hammersmith	9999		
209	Hammersmith	990		
337	Clapham Junction	9999		
	Richmond	0000		
419	Hammersmith	A60		
	Richmond	8000		
493	North Sheen	0000		
	Tooting	9900		

Night buses

Bus route	Towards	Bus stops
N22	Fulwell	B O V Z
	Oxford Circus	A S O

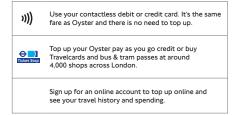
Other buses

Bus route	Towards	Bus stops
969	Roehampton Vale ▼	A088
	Whitton ▼	80800

Key

33	Day buses in black
N22	Night buses in blue
0	Connections with London Underground
Ð	Connections with London Overground
*	Connections with National Rail
n i n	Connections with London Trams
-	Connections with river boats
- A	Tube station with 24-hour service Friday and
(3)	Saturday nights
_	Tuesdays and Fridays only

Ways to pay





Appendix C

2011 Census Data

WU03EW - Location of usual residence and place of work by method of travel to work (MSOA level)

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population All usual residents aged 16 and over in

employment the week before the census

units Persons date 2011

place of work E02000786 : Richmond upon Thames 003

(2011 super output area - middle layer)

usual residence

	England				
Method of travel to work	and	England	Wales		
	Wales				2,506
Underground, metro, light rail or tram	243	243		0	10%
Train	443	443		0	18%
Bus, minibus or coach	276	276		0	11%
Taxi	3	3		0	0%
Motorcycle, scooter or moped	37	37		0	1%
Driving a car or van	915	914		1	37%
Passenger in a car or van	50	50		0	2%
Bicycle	187	187		0	7%
On foot	352	352		0	14%
		To	tal		100%