

## Public Transport Access and Facilities

### Bus Access

Due to the Campus' City Centre location, access to the city by bus is good. Frequent services operate from within and outside the Liverpool City Region. Several bus stops are located around the perimeter of the campus (Figure A.14). Additional services can be accessed from Queens Square and Liverpool One bus stations, located within a 15 minute and 19 minute walk of University Square.

Figure A.14: Bus Stop located on Brownlow Hill



There are a large number of bus services running at a high frequency in close proximity to the North Campus. The majority of these services stop on Pembroke Place, London Road and Prescott Street. The North Campus is served well during the week, evenings, Saturdays and Sundays. The majority of services serving the North Campus operate at a frequency of at least 15 minutes on a week day.

Those services that operate along Brownlow Hill serve the North and Central Campus to stops located on Oxford Street/Abercromby Square and Mount Pleasant. There are fewer services operating within and around the Central Campus, with the majority of services running at a frequency closer to every 20 minutes during the weekday peak and less often during evenings and Sundays.

Services operate in close proximity to the South Campus on Myrtle Street, Hope Street and Grove Street. However, only a limited number of services operate from Hope Street and Grove Street. The majority of services that directly serve the South Campus operate at an average frequency of around 20 minutes during the weekday peak hours.

Table A.3 shows the services and frequency of services serving the North, Central and South Campus.

Table A.3: Bus Frequencies Serving the Main Campus

Service Number	Route	Hours of Operation	Saturday	Sunday	Operator
		Mon-Friday			
Buses Serving North Campus					
6	City Centre – Brownlow Hill – Minshull St – Huyton /Warrington	06:06-18:19 Every 30min (Huyton) Every 60min (Warrington)	06:06-18:19 Every 30min (Huyton) Every 60min (Warrington)	-	Arriva
7/7A	City Centre – Brownlow Hill – Minshull St – Huyton (7) – Warrington (7A)	06:30-23:29 Every 30min	06:30-23:29 Every 30min	08:30-23:30 Every 30min	Arriva
61, 161	City Centre – Wavertree – Huyton – Prescot - Murdishaw	07:55-19:28 Every 15min (Prescot) Every 30min (Murdishaw)	08:55-19:28 Every 15min (Prescot) Every 30min (Murdishaw)	08:24-16-24 Every 60min (Prescot) Three journeys (Murdishaw)	Halton Transport
76	City Centre – Crown Street – Brownlow Hill – Grove Street - Halewood	07:30- 00:00 Every 30 min	07:58- 00:00 Every 30 min	08:30- 00:00 Every 30 min	Arriva
78	City Centre – Pembroke Place – West Derby St - Halewood	05:59-18:54 Every 20min	06:03-18:33 Every 30min	08:52-17:52 Every 30min	Arriva
79	City Centre – Brownlow Hill – West Derby Street - Netherley	06:15-23:45 Every 5min	06:20-23:45 Every 5min	07:13-23:45 Every 15min	Arriva
79C	City Centre – Brownlow Hill – Wavertree – Widness – Runcorn - Murdishaw	07:58-23:30 Every 15min	08:48-23:30 Every 15min	09:03-23:30 Every 30min	Arriva
699	Carnatic & Derby Halls – the University of Liverpool - City Centre	08:05-23:30 Every 5/10min evening	10:30-23:30 Every 20min	10:30-23:30 Every 20min	Arriva
101	Walton Circular – Vauxhall – City Centre	07:39-18:09 Every 30min	07:39-18:09 Every 30min	-	Merseytravel
21/242	Northwood – Netherfield Road – City Centre	07:01-22:44 Every 10min	07:17-22:44 Every 10min	07:08-22:53 Every 20min	Stagecoach/ Merseytravel
119	Kirkby – City Centre	05:37-23:44 Every 10/30min evening	05:43-23:44 Every 10/30min evening	07:29-23:08 Every 15/60min evening	ACE Travel
19/244	Kirkby – Croxteth – City Centre	05:37-23:44 Every 10/30min evening	05:43-23:44 Every 10/30min evening	07:29-23:08 Every 15/60min evening	Stagecoach
18	Croxteth Park – City Centre	06:55-23:44 Every 6/30min evening	06:55-23:44 Every 6/30min evening	10:14-23:44 Every 15/30min evening	Arriva
17	Fazakerley/Kirkby – City	06:16-00:16	06:14-00:16	07:08-00:16	Stagecoach

Service Number	Route	Hours of Operation			Operator
		Mon-Friday	Saturday	Sunday	
	Centre	Every 8/15min evening	Every 8/15min evening	Every 15/30min evening	
15	Huyton – City Centre	06:06-23:59 Every 8/30min evening	06:28-11:59 Every 10/30min evening	07:26-11:59 Every 20/30min evening	Arriva
14 / 14A	Croxteth/Tower Hill – City Centre	05:39-23:55 Every 4/15min evening	05:39-23:55 Every 4/15 min evening	07:55-23:55 Every 8/15 min evening	Arriva / Stagecoach
13	Stockbridge Village – Page Moss – City Centre	05:50-23:36 Every 10/30min evening	06:05-23:36 Every 12/30min evening	06: 08-23:36 Every 20/30min evening	Arriva
12	Stockbridge Village – Page Moss – City Centre	06:18-23:21 Every 10/30min evening	06:20-23:21 Every 12/30min evening	07:40-23:21 Every 20/30min evening	Arriva
<b>Buses Serving Central Campus</b>					
6	City Centre – Brownlow Hill – Minshull St – Huyton /Warrington	06:06-18:19 Every 30min (Huyton) Every 60min (Warrington)	06:06-18:19 Every 30min (Huyton) Every 60min (Warrington)	-	Arriva
7/7A	City Centre – Brownlow Hill – Minshull St – Huyton (7) – Warrington (7A)	06:30-23:29 Every 30min	06:30-23:29 Every 30min	08:30-23:30 Every 30min	Arriva
14, 14B, 14C, 14D	City Centre – Brownlow Hill – Minshull St – Wavertree, Widnes/Runcorn	06:48-23:24 Every 15min	08:35-23:24 Every 15min	09:54-23:09 Every 20min	Halton Transport
79	City Centre – Brownlow Hill – West Derby Street - Netherley	06:15-23:45 Every 5min	06:20-23:45 Every 5min	07:13-23:45 Every 15min	Arriva
79C	City Centre – Brownlow Hill – Wavertree – Windess – Runcorn - Murdishaw	07:58-23:30 Every 15min	08:48-23:30 Every 15min	09:03-23:30 Every 30min	Arriva
61, 161	City Centre – Wavertree – Huyton – Prescott - Murdishaw	07:55-19:28 Every 15min (Prescot) Every 30min (Murdishaw)	08:55-19:28 Every 15min (Prescot) Every 30min (Murdishaw)	08:24-16:24 Every 60min (Prescot) Three journeys (Murdishaw)	Halton Transport
76	City Centre – Crown Street – Brownlow Hill – Grove Street - Halewood	07:30- 00:00 Every 30 min	07:58- 00:00 Every 30 min	08:30- 00:00 Every 30 min	Arriva
201	Women's Hospital – Grove Street – Penny Lane – Garston - Speke	14:01, 15:29 & 18:39 3 services only	14:01, 15:29 & 18:39 3 services only	14:01, 15:29 & 18:39 3 services	Merseytravel

Service Number	Route	Hours of Operation	Saturday	Sunday	Operator
		Mon-Friday			
C4/C5	Women's Hospital – Queens Square – Kings Parade – Dingle Mount	06:33- 20:06 Every 15 min	06:33- 20:06 Every 15 min	06:33- 20:06 Every 15 min	Merseytravel
699	Carnatic & Derby Halls – the University of Liverpool - City Centre	08:05-23:30 Every 5/10min evening	10:30-23:30 Every 20min	10:30-23:30 Every 20min	Arriva
139	City Centre – Mount Pleasant – Oxford Street – Huyton - Prescott	08:05-19:05 Every 30min	08:05-19:05 Every 30min	-	Comfybus
173	Belle Vale Interchange – Woolton – Mossley Hill – Aigburth Vale	06:51-17:51 Every 60min	06:51-17:51 Every 60min	-	Merseytravel
CL	Lime Street – Liverpool One – Upper Duke Street	09:03-20:15 Every 12min	09:03-20:15 Every 12min	09:27-20:15 Every 12min	Merseytravel
25	Hope St – Liverpool One – Victoria St – Brownlow Hill	09:52-17:12 Every 20min	09:52-17:12 Every 20min	09:42-17:12 Every 30min	Ace Travel
101	Hope Street – Canada Boulevard – Victoria Street – Brownlow Hill	10:35-17:05 Every 30min	10:35-17:05 Every 30min	10:35-17:05 Every 30min	Maghull Coaches
38	Halewood – Childwall – Liverpool One	08:35-17:35 Every 60min	08:35-17:35 Every 60min	-	Ace Travel
<b>Buses Serving South Campus</b>					
75	City Centre – Hardman St – Myrtle St – Penny Lane – Grove St –Royal Liverpool Hospital	08:24-17:24 Every 10min	10:24-17:14 Every 20min	-	Arriva
80	City Centre – Toxteth - Speke	07:11-18:31 Every 20min	07:11-18:31 Every 20min	-	Arriva
80A	City Centre – Toxteth – Liverpool John Lennon Airport – Speke	06:55-23:25 Every 20/30min evening	06:55-23:25 Every 20/30min evening	07:55-23:25 Every 20/30min evening	Arriva / Merseytravel
86 / 86A / 86C / 86D	City Centre – Myrtle Street – Penny Lane – Childwall – Liverpool South Parkway – Liverpool John Lennon Airport	06:30-23:25 Every 5 min/10min evening	06:30-23:25 Every 10 min/15min evening	07:40-23:25 Every 15min	Arriva
139	City Centre – Mount Pleasant – Oxford Street – Huyton - Prescott	08:05-19:05 Every 30min	08:05-19:05 Every 30min	-	Comfybus
699	Carnatic & Derby Halls – the University of Liverpool - City Centre	08:05-23:30 Every 5/10min evening	10:30-23:30 Every 20min	10:30-23:30 Every 20min	Arriva
76	City Centre – Crown Street – Brownlow Hill – Grove Street - Halewood	07:30- 00:00 Every 30 min	07:58- 00:00 Every 30 min	08:30- 00:00 Every 30 min	Arriva

Service Number	Route	Hours of Operation	Saturday	Sunday	Operator
		Mon-Friday			
173	Belle Vale Interchange – Woolton – Mossley Hill – Aigburth Vale	06:51-17:51 Every 60min	06:51-17:51 Every 60min	-	Merseytravel
CL	Lime Street – Liverpool One – Upper Duke Street	09:03-20:15 Every 12min	09:03-20:15 Every 12min	09:27-20:15 Every 12min	Merseytravel
C4/C5	Women's Hospital – Queens Square – Kings Parade – Dingle Mount	06:33- 20:06 Every 15 min	06:33- 20:06 Every 15 min	06:33- 20:06 Every 15 min	Merseytravel
201	Women's Hospital – Grove Street – Penny Lane – Garston - Speke	14:01, 15:29 & 18:39 3 services only	14:01, 15:29 & 18:39 3 services only	14:01, 15:29 & 18:39 3 services only	Merseytravel

The quality of waiting infrastructure is generally good including shelters, seating and timetables on key corridors such as Brownlow Hill, Oxford Street and Pembroke Place. Table A.4 summarises the results of a bus stop audit that was undertaken on campus. The majority of bus stops are in good condition. 16 of the 37 stops audited contain seating, a shelter, Kassel kerbs and bus timetable information as shown in Figure A.15.

Figure A.15: Good Quality Bus Stops and Waiting Facilities on Abercromby Square and Brownlow Hill



The audit was presented to Merseytravel, it was agreed by Merseytravel that some bus stops would

benefit from being upgraded along Grove Street, Crown Street, Melville Place and Myrtle Street as shown in Figure A.16. Potential improvements include maintenance of road markings or installation of seating and/or shelter.

Figure A.16: Poor Quality Bus Stop on Grove Street



It should be noted that there are 5 stops not in service due to major building works taking place immediately adjacent to Apex 2 and the Royal Liverpool University Hospital. These stops are expected to be reinstated upon completion of the relevant works.

Table A.4: Main Campus Bus Stop Provision Quality

Location	Stop No.	Seating	Shelter	Markings	Boarding Kerb	Timetable
Mount Pleasant (Rodney Street)	42047B	✓	✓	✓	✓	✓
Mount Pleasant (Clarence Street)	42047A	✓	✓	✓	✓	✓
Hope Street (opposite Everyman Theatre)	41200A	✓	✓	✓	✓	✓
Hope Street (opposite Everyman Theatre)	41200B*	✓	✓	✓	✓	✓
Myrtle Street (Hope Street)	41121A**	✓	✓	✓	✓	✓



Location	Stop No.	Seating	Shelter	Markings	Boarding Kerb	Timetable
Myrtle Street (Hope Street)	41121B	✓	✓	✓	✓	✓
Myrtle Street (Vine Street)	41230A***	x	x	x	x	✓
Grove Street (Myrtle Street)	41052A	x	x	M	x	✓
Grove Street (Myrtle Street)	41052B	x	M	M	x	✓
Grove Street (Cambridge Street)	41078A	x	x	M	x	✓
Grove Street (Cambridge Street)	41078B	✓	✓	M	x	✓
Oxford Street East (Grove Street)	41078C	✓	✓	✓	x	x
Oxford Street East (Crown Street)	41078D	✓	✓	✓	x	✓
Abercromby Sq (Oxford Street)	42049B	✓	✓	✓	✓	✓
Abercromby Sq (Oxford Street)	42049A	✓	✓	✓	✓	✓
Oxford Street (Mount Pleasant)	42048C	✓	✓	✓	✓	✓
Oxford Street (Hope Street)	42048B	✓	✓	✓	✓	✓
Mount Pleasant (Metropolitan Cathedral)	42048A	✓	✓	✓	✓	✓
Mount Pleasant (Metropolitan Cathedral)	42053E	✓	✓	✓	✓	✓
Mount Pleasant (Students Union)	42053D	✓	✓	✓	✓	✓
Brownlow Hill (Metropolitan Cathedral)	42053B	✓	✓	✓	✓	x
Brownlow Hill (Metropolitan Cathedral)	42053A	✓	✓	✓	✓	✓
Brownlow Hill (Crown Street)	42040B****	x	x	M	✓	✓
Paddington (Crown Street)	42040A	✓	✓	✓	✓	✓
Grove Street (Paddington)	42041A	✓	✓	x	✓	✓
Grove Street (Paddington)	42041B	✓	✓	✓	✓	✓
Crown Street (Life Sciences Building)	_*****	x	x	x	x	✓
Crown Street (Little Woolton Street)	42039B	✓	✓	✓	x	✓

Location	Stop No.	Seating	Shelter	Markings	Boarding Kerb	Timetable
West Derby Street (Royal Liverpool Hospital)	_*****	-	-	-	-	-
West Derby Street (Royal Liverpool Hospital)	_*****	-	-	-	-	-
Pembroke Place	42028D	✓	✓	✓	x	✓
Pembroke Place (Dental Hospital)	42028C	✓	✓	✓	x	✓
London Road	42016F	✓	✓	x	x	✓
London Road	42016E	✓	✓	x	x	✓
Prescott Street (Royal Liverpool Hospital)	42016B	✓	✓	✓	x	✓
Prescott Street (Royal Liverpool Hospital)	42016A	✓	✓	✓	x	✓
Daulby Street	42028B *****	✓	✓	✓	x	✓



Figure A.17: Bus Stop Locations Serving the Main Campus and Recommended Bus Stop Upgrades



## Rail Access

The main Campus is in close proximity to Liverpool Lime Street and Liverpool Central. Liverpool Lime Street (Figure A.18) is located approximately 1km (12 minute walk) from University Square. Liverpool Central is situated located approximately 900m (11 minute walk) from University Square.

Virgin, London Midland and North Western trains serve Lime Street providing frequent services across the country including, Warrington, Manchester, Birmingham, Blackpool, London Leeds, Nottingham, Scarborough and York. Liverpool Lime Street also forms part of the Merseyrail Wirral Line and City Line network, providing access to the wider Liverpool City Region.

Figure A.18: Lime Street Station



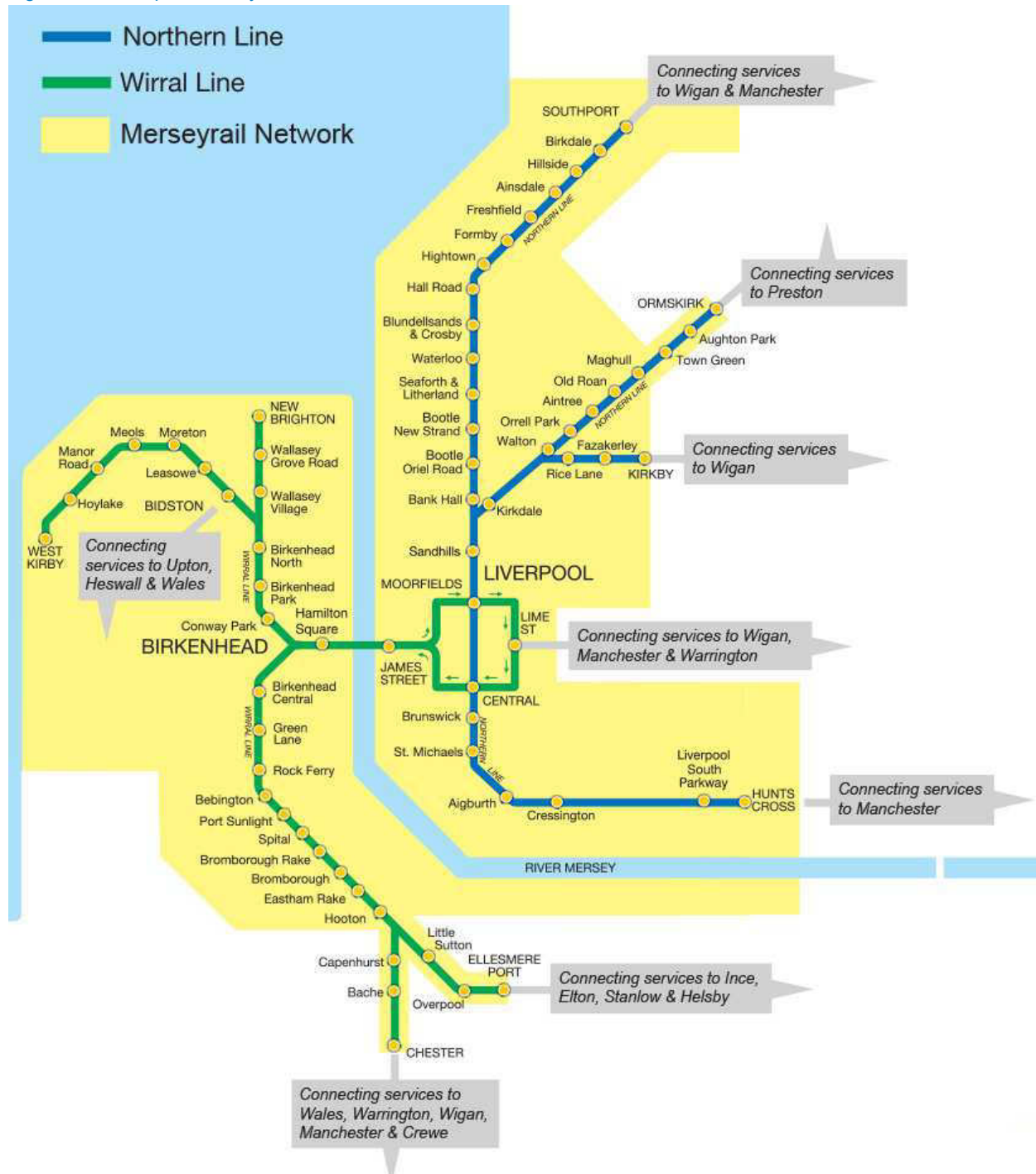
Liverpool Central Station forms the main hub of the Merseyrail network serving both the Northern Line and Wirral Line, covering the Liverpool, Sefton, Wirral and Knowsley regions (Figure A.19). Liverpool Central provides services every 15 minutes during the daytime on each of the Northern and Wirral lines. Services are reduced to a 30minute frequency on each line on a Sunday and in the evening, except for the Southport line which continues to operate on a 15 minute frequency Mon-Sat. Table A.5 presents services, frequency and hours of operation of all Merseyrail services.

Rail is a popular modal choice for staff and students. Lime Street and Central stations are located a short walk from the University at the base of Brownlow Hill and Mount Pleasant. However, the increased gradient of Brownlow Hill and Mount Pleasant is perceived barrier to rail travel for a number of staff and students.

Table A.5: Merseyrail Service Summary

Service	Route	Hours of Operation	Saturday	Sunday
		Mon-Friday		
Northern Line	Southport – Formby - Bootle – Liverpool Central – Hunts Cross	05:38-00:02 Every 15min	05:38-00:02 Every 15min	07:58-00:02 Every 15min
Northern Line	Ormskirk – Walton – Liverpool Central	05:50-23:50 Every 15min/30min evening	05:50-23:50 Every 15min/30min evening	08:20-23:50 Every 30min
Northern Line	Kirkby – Kirkdale – Liverpool Central	05:48-23:36 Every 15min/20min evening	05:48-23:36 Every 15min/20min evening	08:18-23:36 Every 30min
Wirral Line	West Kirby – New Brighton – Hamilton Square – Liverpool Central	05:51-23:35 Every 15min/30min evening	05:51-23:35 Every 15min/30min evening	08:01-23:35 Every 30min
Wirral Line	New Brighton – Birkenhead North – Hamilton Square – Liverpool Central	05:53-23:50 Every 15min/30min evening	05:53-23:50 Every 15min/30min evening	07:53-23:23 Every 30min
Wirral Line	Chester – Hooton – Port Sunlight – Hamilton Square – Liverpool Central	05:55-23:45 Every 15min/30min evening	05:55-23:45 Every 15min/30min evening	08:00-23:45 Every 30min
Wirral Line	Ellesmere Port – Hooton – Port Sunlight – Hamilton Square – Liverpool Central	06:17-00:00 Every 30min	06:17-00:00 Every 30min	07:49-23:19 Every 30min

Figure A.19: Map of Merseyrail Network



Source: Merseyrail



## Ferry Access

The Mersey ferry terminal is located approximately 2.5km away from University Square, approximately a 25 minute walk or a 10 minute cycle ride and provides another public transport link between Wirral (Seacombe) and Liverpool (the Pier Head) across the River Mersey.

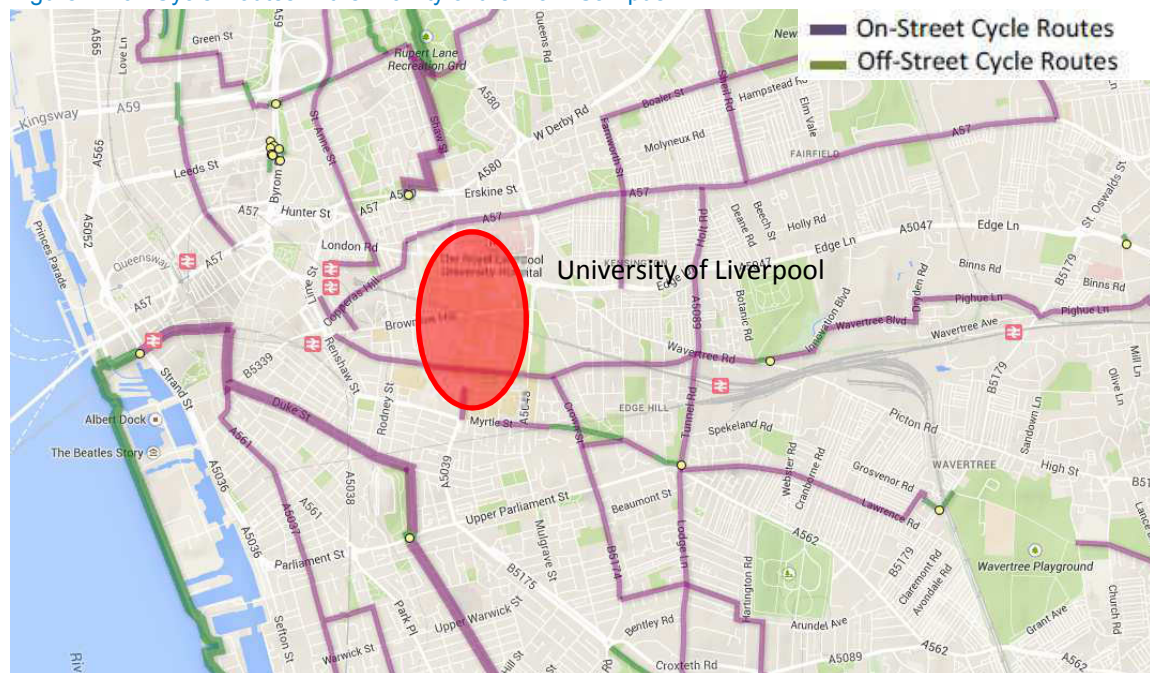
A regular weekday commuter service between Seacombe Terminal and Liverpool Pier Head runs from 07:20-09:50 in the morning and 17:00-18:50 in the evening at 20 minute intervals. A journey across the River Mersey takes approximately 10 minutes by ferry and a bicycle can be taken on board. Free parking is available from Seacombe Ferry Terminal, with discounted weekly, monthly, quarterly and annual passes available.

## Sustainable Travel Modes

### Cycling Access

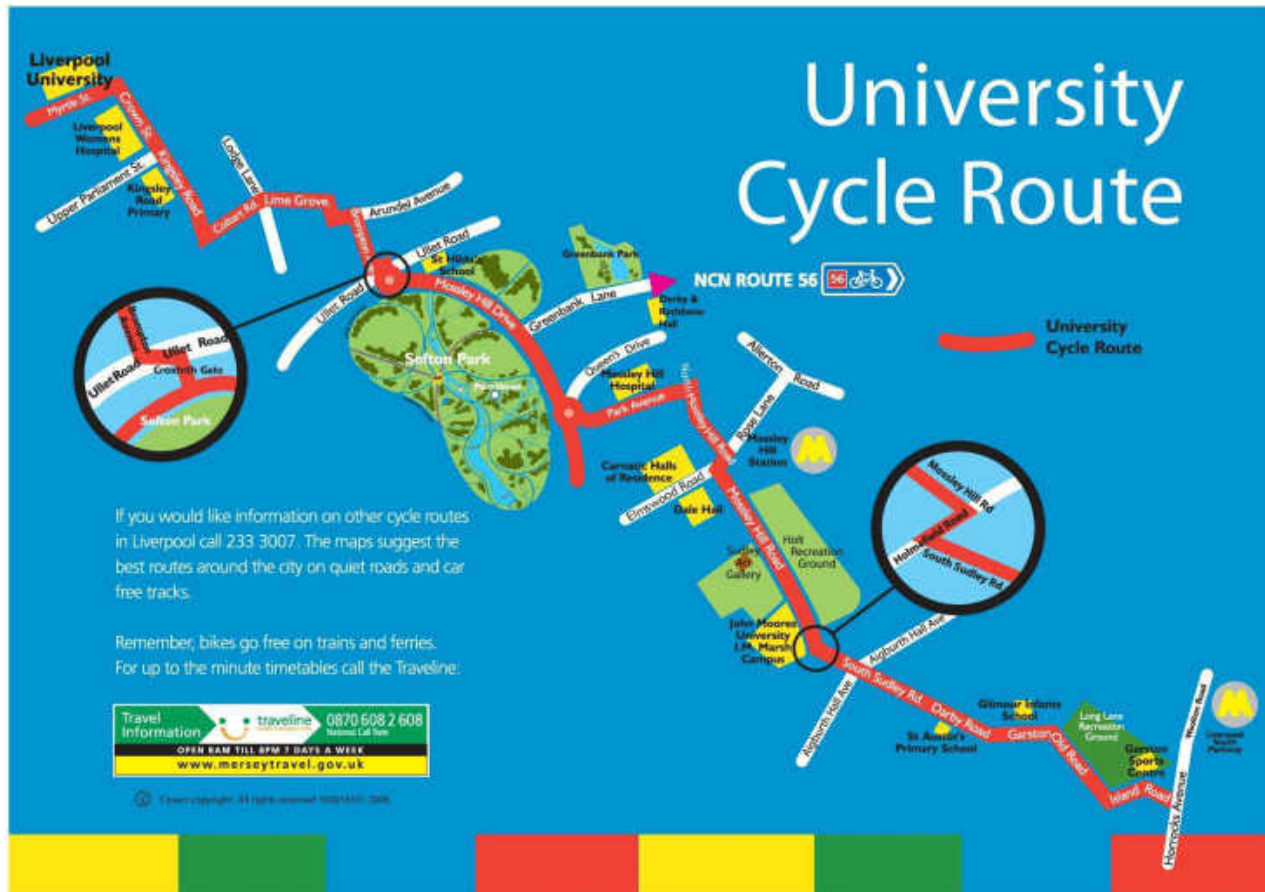
There are a number of on and off-road cycle routes in the vicinity of the University (Figure A.20), most notably the 'University Cycle Route' (Figure A.21). It should be noted however that a number of the recommended on-street cycle routes are A roads with high traffic volumes particularly in the AM and PM peaks.

Figure A.20: Cycle Routes in the Vicinity of the Main Campus



Source: Sustrans (accessed 29/09/14)

Figure A.21: University Cycle Route Map



Source: Travelwise (accessed 29/09/14)

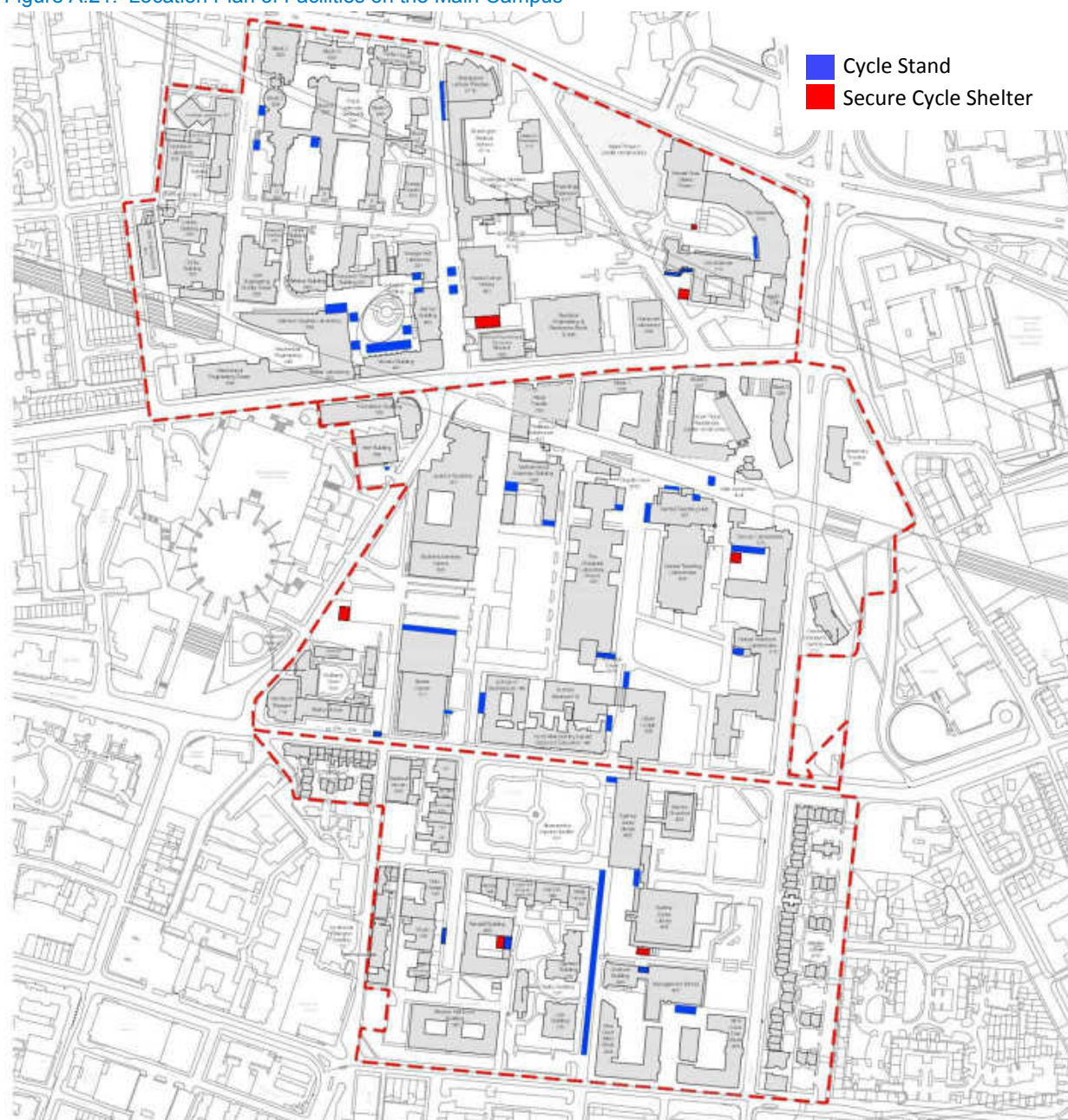
In February 2014 a main campus cycle storage audit was undertaken on site by the University of Liverpool Facilities Management department to assess the utilisation rates of cycle storage facilities and the location of these facilities. A total of 675 cycle parking spaces were recorded, ranging from secure shelters to Sheffield stands (Figure A.22). The location of cycle parking is presented in Figure A.23.

Figure A.22: Cycle Storage Facilities on the Main Campus





Figure A.21: Location Plan of Facilities on the Main Campus



Source: University of Liverpool (12/03/14)

## Pedestrian Access

As the University is located within the City Centre, the campus is well connected to the wider City footpath network. Much of the walking environment within the Central Campus is of a high standard (Figure A.24).

Figure A.24: High Quality Walking Environment along Ashton Street



Following an upgrade to the public realm of central routes through campus, Chatham Street, Cambridge Street, Abercromby Square, Bedford Street North and University Square all have high quality walking environments. This has been achieved through pedestrianisation or the use of shared surfaces (Figure A.25).

Figure A.26 displays the main pedestrian attractions on the main campus, key pedestrian routes and the location of controlled pedestrian crossings.

Figure A.25: University Square



[illegible]



A network of pedestrian way finding boards and finder posts (Figure A.27) are placed in strategic positions around the City Centre campus. The way finding boards provide an overview of the City Centre campus and a 'you are here' marker to help staff, students and visitors navigate the campus.

Figure A.27: On-Campus Finger Post



# Carnatic Halls of Residence

## 1.1 Carnatic Halls Overview

Carnatic Halls of Residence is set within its own grounds in the suburban area of Mossley Hill. Following the closure of Dale Hall, the site now comprises five residences:

- Rankin Hall (264 bedrooms)
- Lady Mountford House (241 bedrooms)
- Salisbury Hall (221 bedrooms)
- Morton House (205 bedrooms)
- McNair Hall (161 bedrooms)

Approximately 1,100 students are based at the halls. The halls surround one communal building, Carnatic House, which contains a restaurant, bar, shops and student health care centre.

The Halls of residence are in close proximity to Sefton Park and local amenities along Rose Lane, Lark Lane and Aigburth Road.

Figure A.28 shows the entrance to the halls via North Mossley Hill Road.

Figure A.28: Entrance to Carnatic Halls from North Mossley Hill Road

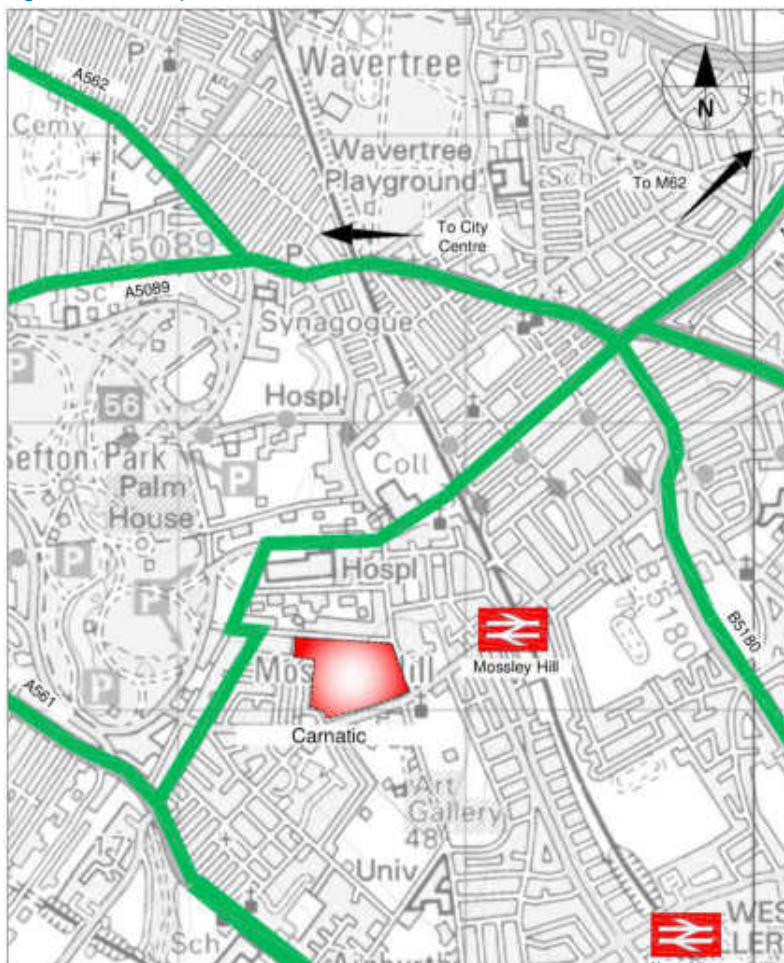


## Site Accessibility

### Vehicular Access

The halls are situated approximately 5.5km south east of Liverpool City Centre and the University's main campus. Carnatic Halls of Residence are well connected to the city via the A562 to the north of the halls and the A561 to the south of the halls, as shown in Figure A.29. The halls are located approximately 4km southwest of the M62, where connections with the wider Merseyside area and beyond can be accessed. The Carnatic site is bound by Carnatic Road to the north, Elmswood Road to the south and North Mossley Hill Road to the east.

Figure A.29: Map of Carnatic Halls and Local Road Network





### 1.1.1 Car Parking

There are approximately 150 car parking spaces for staff and student use at Carnatic Halls (Figure A.30). Staff can park on site free of charge, while students are charged £10 per term (£30 per year) for parking. Students must park in student parking areas. Staff and students who park in unauthorised areas may be issued with a penalty notice.

Figure A.30: Car Parking Facilities at Carnatic Halls



## Public Transport Access & Facilities

### Bus Access

Arriva operates a dedicated University Bus Service, the 699 that runs between the main University Campus and Carnatic Halls of Residence via Greenbank Halls of Residence. Large articulated buses depart the designated on-site bus stop (Figure A.31) every five to ten minutes at peak times and every fifteen to twenty minutes off-peak. The first bus service arrives at Carnatic at 08:05 with the last bus leaving Elliot Street in the City Centre at 23:55. Other bus services such as the 61 and 80 services stop on Rose Lane, a short walk from the halls.

Figure A.31: 699 Bus Service Alighting at Carnatic



A summary of all bus services which serve Carnatic Halls of Residence and the vicinity are presented in Table A.7 below.

Table A.7: Bus Frequencies Serving Carnatic Halls

Service Number	Route	Hours of Operation			Operator
		Mon-Friday	Saturday	Sunday	
699	Carnatic Halls – Derby Halls – Mount Pleasant – Brownlow Hill – Elliot Street – City Centre	08:05-23:30 Every 10min/30min evening	10:30-11:30 Every 20min	10:30-11:30 Every 20min	Arriva
80	Liverpool ONE – Hardman Street – Penny Lane – Liverpool South Parkway – Speke	07:08-19:35 Every 20min	07:10-20:16 Every 30min	-	Arriva
80A	Liverpool ONE- Allerton Road – Liverpool South Parkway – John Lennon Airport	06:43-00:43 Every 20min/30min evening	06:55-00:43 Every 30min	07:30-00:43 Every 20min)	Arriva
61	Bootle Bus Station – Long Lane, Aintree – West Derby Village – Wavertree – Allerton – Aigburth Vale	05:25- 23:57 Every 12 min	05:25- 23:57 Every 15 min	07:00- 23:57 Every 30 min	Arriva
68/68E/168	Bootle Bus Station – Rice Lane – Broadgreen Hospital – Wavertree – Aigburth Vale	06:14-23:40 Every 15min	07:02-23:40 Every 20min	07:43-23:40 Every 30min	Arriva

Service Number	Route	Hours of Operation			Operator
		Mon-Friday	Saturday	Sunday	
173	Belle Vale – Penny Lane – Rose Lane – Greenbank Lane – Aigburth Vale – Ullet Road – Mount Pleasant – Great Charlotte Street	06:45-18:49 Every 30min	06:45-18:49 Every 30min	-	HTL Buses
201	Speke – Liverpool South Parkway – Penny Lane – Royal Liverpool Hospital	13:18-20:30 Every 90min	13:18-20:30 Every 90min	13:18-20:30 Every 90min	Merseytravel

The bus stops immediately outside of the Halls of Residence are of a good quality on Elmswood Road with seating, shelter, information and Kassel kerbs provided (Figure A.32). Despite experiencing high numbers of footfall throughout the day, the bus stop within the campus grounds does not have any shelter, seating or Kassel kerb (Figure A.33).

Figure A.32: Good Quality Bus Stops and Waiting Facilities on Elmswood Road



Figure A.33: Poor Quality Bus Waiting Facilities at Carnatic Halls



A single journey flat fare for students travelling on Arriva buses is £1.80. The standard flat fare is £2.20 within Area C (Liverpool). It is possible for students to purchase a 'Student Saver Ticket' which offers a saving on the cost of bus travel with Arriva in the Merseyside area. Saver tickets are available for periods between a single term and a 14 month period. The 'Student Saver Ticket' is available both online via Arriva's website and within the Liverpool Guild of Students shop on campus. Table A.8 below summarises the cost of season tickets available to students.

Table A.8: Student Saver Ticket Options

Ticket Type	Price
Student Autumn Semester – 31/12/14	£149.00
Student Autumn & Spring Semester – 03/04/15	£249.00
Student Academic Year – 30/06/15	£339.00
Student Academic Year +1 month – 31/07/15	£374.00
Student Academic Year +2 months – 31/08/15	£409.00

## Train Access

Mossley Hill Train station is approximately a 500m walk away from Carnatic Halls along Rose Lane (Figure A.34). A direct service to Liverpool Lime Street is available approximately every 30 minutes from Mossley Hill station. The station is located on the Liverpool to Manchester line, with the majority of passenger services calling at this station. The service is operated by Northern Rail.

Figure A.34: Mossley Hill Train Station



Shelter and seating is provided at both platforms, ramped disabled access to platforms is available. Unsheltered cycle parking is provided for up to 8 bicycles.

Table A.9 below summarises the time and frequency of services from Mossley Hill Station to Liverpool Lime Street.

Table A.9: Frequency of Services from Mossley Hill Station

Service	Route	Hours of Operation	Saturday	Sunday
		Mon-Friday		
Liverpool / Manchester Line	Liverpool Lime Street – Mossley Hill - Birchwood – Manchester Oxford Road	06:33-23:18 Every 30min	06:33-23:18 Every 30min	09:02-23:47 Every 60min

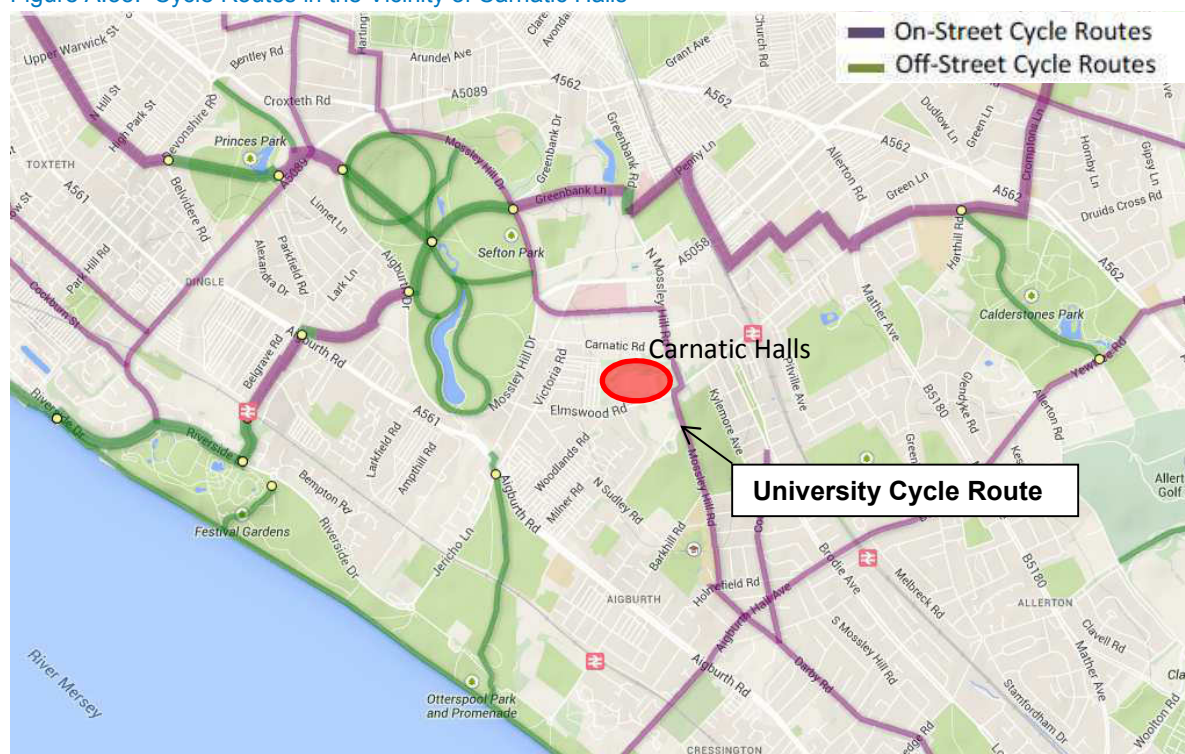


## Sustainable Travel Modes

### Cycling Access

Carnatic Halls are in close proximity to Sefton Park, Greenbank Park and Princes Park and a network of quieter roads providing a pleasant cycling environment. Figure A.35 shows the on and off-street cycle network in the vicinity of the halls. The University Cycle Route is in close proximity to the Carnatic Halls of residence, providing access to the City Centre and main campus via North Mossley Hill Road, Mossley Hill Drive, Brompton Avenue, Crown Street and Myrtle Street. The Trans Pennine Trail National Cycle Route 56 can also be accessed via the nearby Briardale Road, providing access to the City Centre and the wider Liverpool City Region.

Figure A.35: Cycle Routes in the Vicinity of Carnatic Halls



Source: Sustrans (accessed 29/09/14)

Cycle parking is free for both staff and students with bicycle storage available in one of four designated storage sheds (Figure A.36). A key to access the cycle sheds can be obtained from the halls reception and must be returned at the end of the academic year.

Figure A.36: Cycle Storage Facilities at Carnatic Halls



### **Pedestrian Access**

The halls are surrounded by quiet roads and parks providing a pleasant walking environment in close proximity to the halls. The walking environment immediately surrounding the site is good with footways and lighting on both sides of the carriageway of Elmswood Road and a pelican crossing linking the halls on either side of the road as shown in Figure A.37. North Mossley Hill Road has a poorer walking environment with no footway available on the southbound side of the carriageway to the east of the site.

Figure A.37: Pelican Crossing on Elmswood Road





# Greenbank Halls of Residence

## Greenbank Halls Overview

Greenbank Halls of Residence are located approximately 1.6km from Carnatic in Mossley Hill, a suburban area of the City. As part of the University's Residential Strategy, Derby and Rathbone Halls (Figure A.38) closed at the end of the academic year in 2014 and form part of the proposed redevelopment of Greenbank Student Village which will be ready for the 2016/17 academic year. The site is now made up of one residence, Roscoe and Gladstone Hall, which will remain open throughout 2014 and 2015. The hall currently provides 390 catered student bedrooms.

Figure A.38: Derby and Rathbone Halls



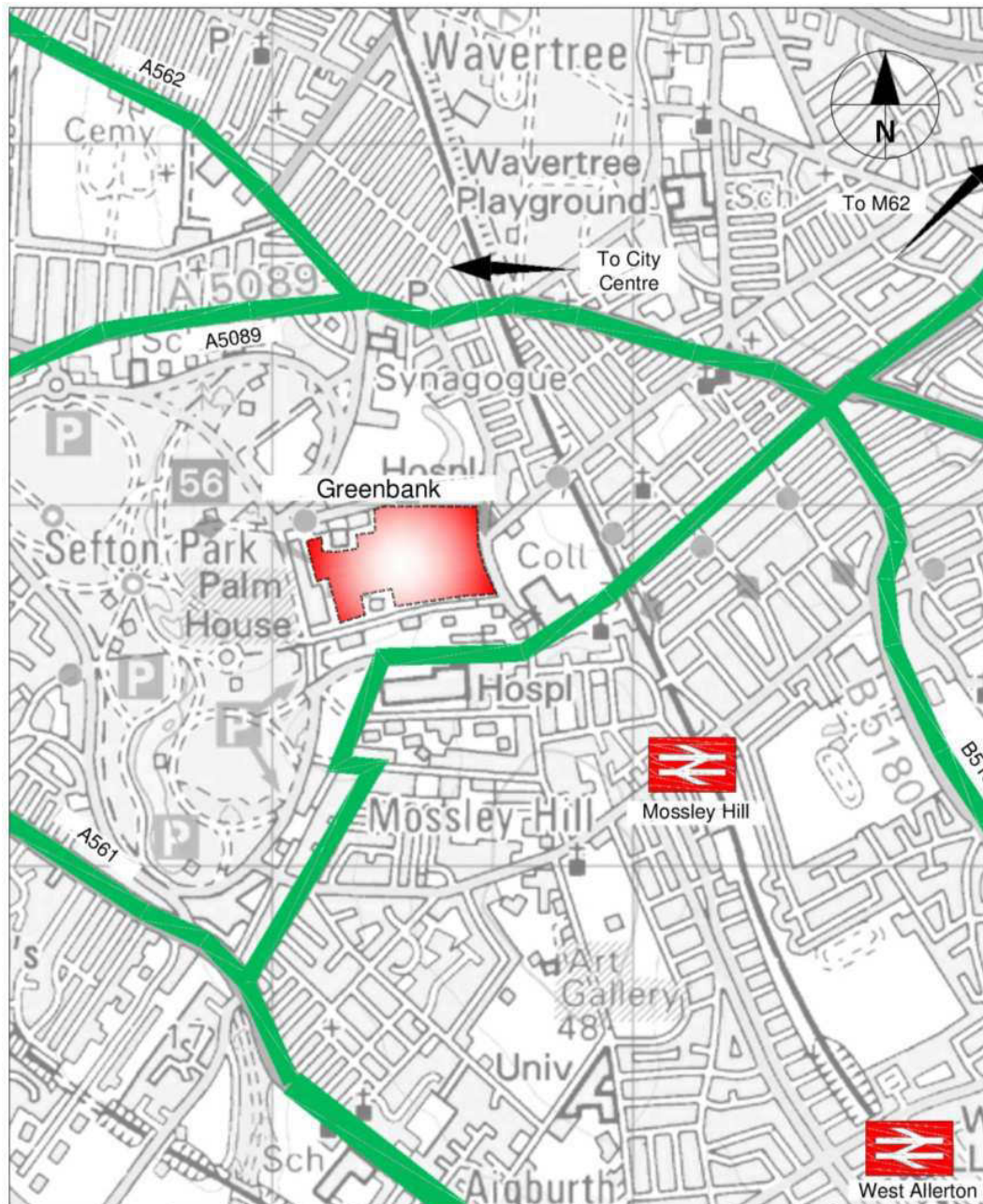
Three full sized grass football pitches are located within the Greenbank residences that are reserved for student use only and host a number of weekly Campus League football matches.

## Site Accessibility

### Vehicular Access

Greenbank Halls are located on Greenbank Lane, in between both Greenbank and Sefton Park, approximately 5km from Liverpool City Centre and the main campus. The halls are bound by Greenbank Lane to the north, Greenbank Road to the east, Ibbotsons Lane to the south and Mossley Hill Drive to the west. Although surrounded by green space and relatively quiet roads, the halls are well connected to the city via the A562 to the north, the B5175 to the west and the A561 to the south of the halls, as shown in Figure A.39. The halls are located approximately 4km southwest of the M62, for connections with the wider Liverpool City Region and beyond.

Figure A.39: Greenbank Halls Location Plan



### Car Parking

Car parking provision at Roscoe and Gladstone is extremely limited on site with approximately 48 spaces provided for staff and students (Figure A.40). There are a limited number of car parking spaces available

for student use within Greenbank. Those students with mobility issues get priority car parking. Access to the car park is granted via fob access at the site entrance gate. A charge of £10 a term is payable for use of student car parking.

Figure A.40: Car Parking Provision at Greenbank Halls



Students park along the eastbound carriageway of Greenbank Lane (Figure A.41). Parking along Greenbank Lane is limited during busy periods e.g. when the football pitches are in use.

Figure A.41: On-street Parking along Greenbank Lane





## Public Transport Access

### Bus

Similarly to Carnatic, Greenbank Halls are directly served by the 699 University bus service operated by Arriva. Other bus services to the City Centre, include the 173 which can be accessed via a stop outside the entrance to Roscoe and Gladstone Halls on Greenbank Lane and the 75, 80, 80A and 86 which stop a short walk from the halls along Smithdown Road.

The bus stops serving the halls of residence are of a mixed quality with good quality stops along Greenbank Road offering seating, shelter, information and Kassel kerbs (Figure A.42), to stops on Greenbank Lane that offer no shelter or seating (Figure A.43). It should be noted however that the low quality stops are located where footway space is limited.

Figure A.42: Good Quality Bus Stop and Waiting Facilities on Greenbank Road



Figure A.43: Poor Quality Bus Stop and Waiting Facilities on Greenbank Lane



A summary of all bus services which serve Greenbank Halls of Residence and vicinity are presented in Table A.10 below.

Table A.10: Summary of Bus Services - Greenbank Halls

Service Number	Route	Hours of Operation			Operator
		Mon-Friday	Saturday	Sunday	
699	Carnatic Halls – Derby Halls – Mount Pleasant – Brownlow Hill – Elliot Street – City Centre	08:05-23:30 Every 10min/30min evening	10:30-11:30 Every 20min	10:30-11:30 Every 20min	Arriva
173	Belle Vale – Penny Lane – Rose Lane – Greenbank Lane – Aigburth Vale – Ullet Road – Mount Pleasant – Great Charlotte Street	06:45-18:49 Every 30min	06:45-18:49 Every 30min	-	HTL Buses
68/68E/168	Bootle Bus Station – Rice Lane – Broadgreen Hospital – Wavertree – Aigburth Vale	06:14-23:40 Every 15min	07:02-23:40 Every 20min	07:43-23:40 Every 30min	Arriva
80	Liverpool ONE – Hardman Street – Penny Lane – Liverpool South Parkway – Speke	07:08-19:35 Every 20min	07:10-20:16 Every 30min	-	Arriva
80A	Liverpool ONE – Allerton Road – Liverpool South Parkway – John Lennon	06:43-00:43 Every 20min/30min evening	06:55-00:43 Every 30min	07:30-00:43 Every 20min)	Arriva

Service Number	Route	Hours of Operation	Saturday	Sunday	Operator
		Mon-Friday			
	Airport				
79	City Centre – Brownlow Hill – West Derby Street - Netherley	06:15-23:45 Every 5min	06:20-23:45 Every 5min	07:13-23:45 Every 15min	Arriva
86/86A	Liverpool ONE – Smithdown Road – Allerton Road – Liverpool South Parkway	05:21-00:41 Every 5min/10min evening	05:33-00:41 Every 5min/10min evening	05:25-00:41 Every 10min	Arriva / Stagecoach

## Sustainable Travel Modes

### Cycling Access

Greenbank Halls are located in close proximity to the Trans Pennine Trail (National Cycle Route 56) which runs directly outside of the halls along both Greenbank Road and Greenbank Lane, providing access to the City Centre, Pier Head and wider Liverpool City Region.

Figure A.44: Cycling Infrastructure and Signage along National Cycle Route 56



As a result of this direct link to Route 56, the presence of cycling infrastructure and signage in the area surrounding the halls is good (Figures A.44 and A.45).

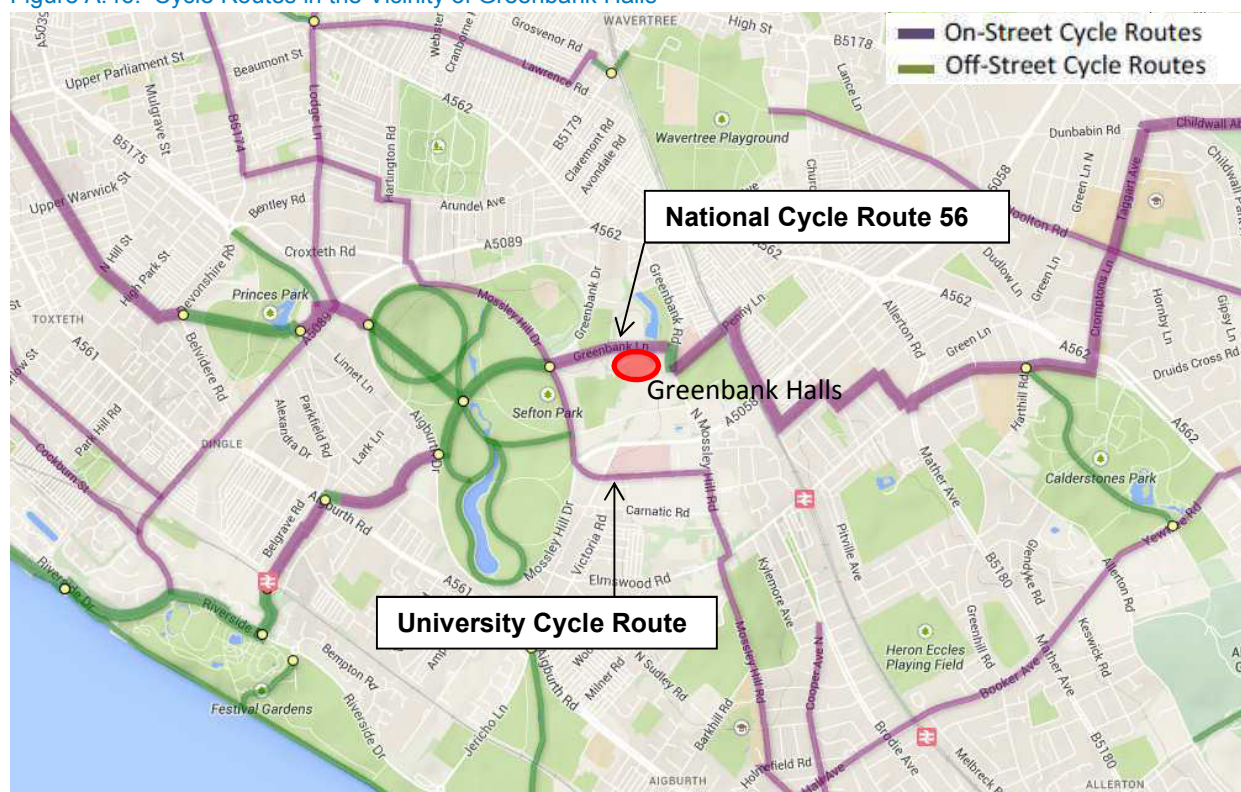


Figure A.45: Cycling Infrastructure and Signage along National Cycle Route 56



The University Cycle Route also provides a direct link to the City Centre and can be accessed via Mossley Hill Drive to the west of the halls.

Figure A.46: Cycle Routes in the Vicinity of Greenbank Halls



Source: Sustrans (accessed 29/09/14)



Secure bicycle storage is provided for staff and students at the halls free of charge in the main car park at the Roscoe and Gladstone halls.

### **Pedestrian Access**

Similarly to Carnatic, Greenbank Halls benefit from being surrounded by green spaces and quiet roads which provide a pleasant walking environment. Footways and lighting are provided on both sides of the carriageway on Greenbank Lane and Greenbank Road.

# Wyncote Sports Ground

## Wyncote Sports Ground Overview

Wyncote sports ground has some of the best University sports facilities in the country with ten grass football pitches, four grass rugby pitches, one 3G rugby training area, two hockey pitches, one lacrosse pitch, an 18peg fishing pond and a pavilion that provides a dedicated meeting room and training facility.

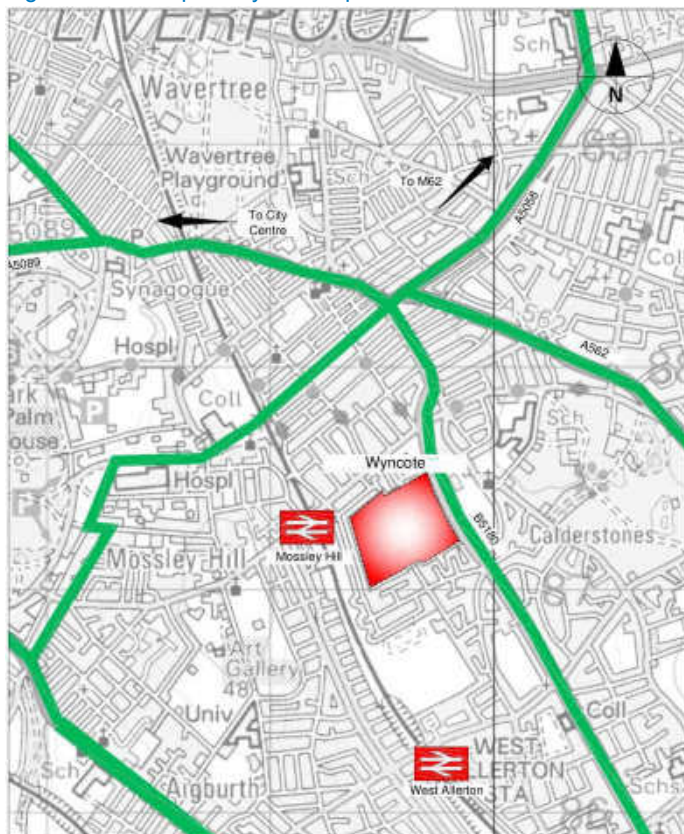
Facilities attract a high number of users and are available to staff, students and visitors between 09:00-21:30 Monday to Friday, 09:00-18:00 on Saturdays and 10:00-16:00 on Sundays.

## Site Accessibility

### Vehicular Access

Wyncote sports ground is located in the Mossley Hill Area, approximately 7km southeast of Liverpool City Centre and within 2km of both Carnatic and Greenbank halls of residence. The site is in close proximity to a network of A Roads providing good connections with the City Centre, the main campus and beyond as shown in Figure A.47.

Figure A.47: Map of Wyncote Sports Ground and Local Road Network



## Car Parking

Car parking for the sports grounds can be accessed off Mather Avenue and is located just behind the fishing pond. There is limited car parking available and spaces are unmarked. The Supermarket car park is used as unofficial overflow parking by students.

## Public Transport Access & Facilities

### Bus Access

The sports ground is located on a major bus route and as a result, services operate a frequency of 15 minutes or better past the site, to and from the city centre and south of Liverpool.

The most frequent of these services is the 86/86A/86D which can be accessed from Mather Avenue and runs at a frequency of every 6 minutes Monday to Friday, 12 minutes of an evening, 6 minutes on a Saturday and 10 minutes on a Sunday. The 86 services run between Liverpool and Garston, Liverpool South Parkway or Liverpool John Lennon Airport, and is one of the services operated as part of the Quality Bus Network Partnership between Merseytravel, Arriva, Stagecoach and Liverpool City Council.

Other services that run in close proximity to the sports grounds include the 61, 68, 80, and 80A, which all run at 15 minute intervals during weekdays and provide access to the wider Liverpool region.

The majority of bus stops in close proximity to the sports grounds are of a high quality specification and provide shelter, seating, timetable information and Kassel kerbs.

A summary of all bus services in close proximity to the Wyncote Sports Grounds are presented in Table A.11 below.

Table A.11: Bus Frequencies Serving Wyncote Sports Ground

Service Number	Route	Hours of Operation			Operator
		Mon-Friday	Saturday	Sunday	
61	Bootle Bus Station – Long Lane, Aintree – West Derby Village – Wavertree – Allerton – Aigburth Vale	05:25- 23:57 Every 12 min	05:25- 23:57 Every 15 min	07:00- 23:57 Every 30 min	Arriva
68/68E/168	Bootle Bus Station – Rice Lane – Broadgreen Hospital – Wavertree – Aigburth Vale	06:14-23:40 Every 15min	07:02-23:40 Every 20min	07:43-23:40 Every 30min	Arriva
80	Liverpool ONE – Hardman Street – Penny Lane – Liverpool South Parkway – Speke	07:08-19:35 Every 20min	07:10-20:16 Every 30min	-	Arriva
80A	Liverpool ONE- Allerton Road – Liverpool South	06:43-00:43 Every 20min/30min	06:55-00:43 Every 30min	07:30-00:43 Every 20min)	Arriva

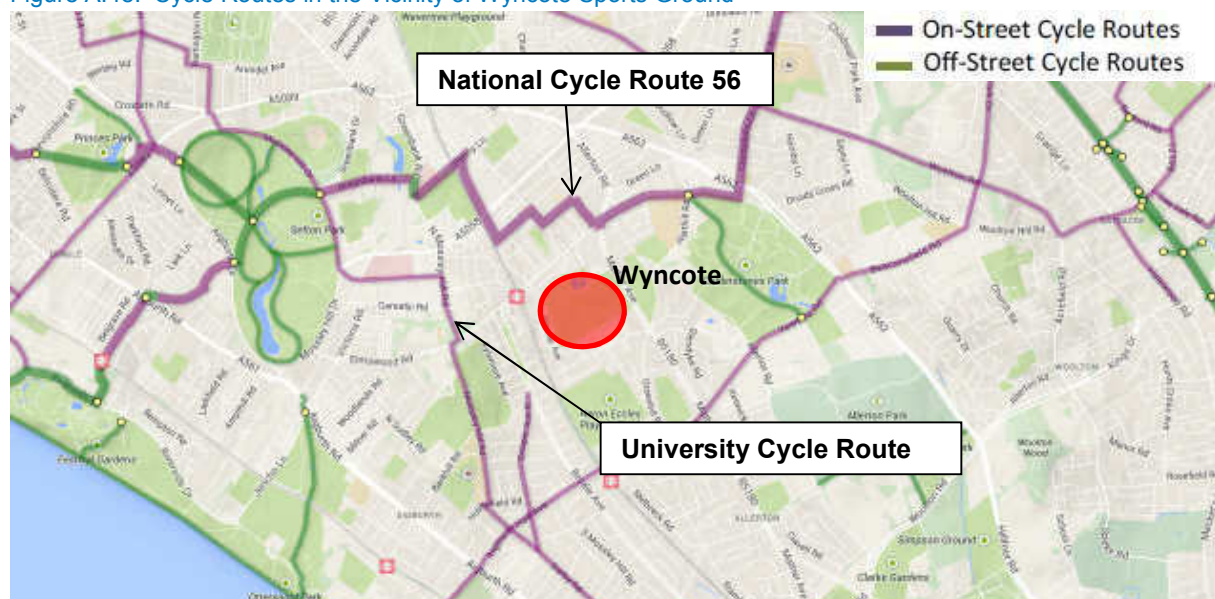
Service Number	Route	Hours of Operation			Operator
		Mon-Friday	Saturday	Sunday	
	Parkway – John Lennon Airport	evening			
86/86A	Liverpool ONE – Smithdown Road – Allerton Road – Liverpool South Parkway	05:21-00:41 Every 5min/10min evening	05:33-00:41 Every 5min/10min evening	05:25-00:41 Every 10min	Arriva / Stagecoach
173	Belle Vale – Penny Lane – Rose Lane – Greenbank Lane – Aigburth Vale – Ullet Road – Mount Pleasant – Great Charlotte Street	06:45-18:49 Every 30min	06:45-18:49 Every 30min	-	HTL Buses
201	Speke – Liverpool South Parkway – Penny Lane – Royal Liverpool Hospital	13:18-20:30 Every 90min	13:18-20:30 Every 90min	13:18-20:30 Every 90min	Merseytravel

## Sustainable Travel Modes

### Cycling Access

National Cycle Route 56 is located under half a kilometre from Wyncote with access from Allerton Road and Garthdale Road, while the University cycle route can be accessed from Rose Lane (Figure A.48). Mather Avenue is not a designated cycle route but many cyclists ride on the footway in this location.

Figure A.48: Cycle Routes in the Vicinity of Wyncote Sports Ground



Source: Sustrans (accessed 29/09/14)



### **Pedestrian Access**

Grass verges separate footways from the carriageway on the B5108 Mather Avenue off which the site access is located. To the north of the site is Rose Lane and Allerton Road which experience high pedestrian activity, footways and pedestrian crossings are located along these routes.

# Leahurst Campus

## Leahurst Campus Overview

The Leahurst Veterinary campus is located on the Wirral Peninsula, approximately 12 miles from Liverpool City Centre and 9 miles from Chester. The Leahurst campus provides practical experience for 340 4<sup>th</sup> and 5<sup>th</sup> year veterinary students. Approximately 450 staff are based at the campus to operate the following facilities:

- Small animal hospital – 10,000 referrals/year, mainly cats and dogs;
- Equine hospital – 2,000 referrals/year;
- Pathology services – Includes post-mortem facilities;
- Wood Park Farm – Including visitor centre;
- Ness Heath Farm; and
- Continuing professional development seminars.

Students are expected to live within close proximity to the campus as they are required to be 'on-call' for parts of their 36 week training rotation. A small number of students stay on site to monitor emergency cases.

## Site Accessibility

### Vehicular Access

Leahurst campus is located off the A540 Chester High Road (Figures A.49 and A.50). The A540 links Hoylake to the north west with Chester to the south east of the campus.

Figure A.49: Leahurst Campus Access



The M53 and A41 are located within 4 miles of the campus. The M53 runs between Chester and Birkenhead and is directly accessible from the Kingsway (Wallasey) tunnel. The A41 runs from Birkenhead to Wolverhampton, passing through east Wirral, Chester and wider Cheshire region.

The M56 is located approximately 5 miles from the campus and connects with the M53, M6, M62 and M60 wider motorway network.

There are approximately 300 car park spaces at the Leahurst campus for use by staff and students. Additional car parking is provided for clients of the small animal and equine hospitals.



All staff and students are provided with a staff/student handbook prior to starting employment/study at the campus. The handbook provides clear instruction of where staff and students are permitted to park. Staff and students are required to display a parking permit in their vehicle if they wish to park on campus.

Figure A.51 displays the location and the type and the capacity of parking across the main campus

Figure A.51: Leahurst Campus Car Parking



Figure A.52 contains photographs of parking across the Campus, including incidents of haphazard parking.

Figure A.52: Vehicle Parking on Leahurst Campus



### Bus Access

Public transport provision is poor to the Campus. The nearest bus stop to the site is located on Hanns Hall Road which is in use for school services. The X22 and 272 services stop on Hinderton Road (approximately an 11 minute walk from the campus) and operates on an hourly timetable during peak times. The X22 provides access from Heswall to Chester via Neston and the 272 operates between Ellesmere Port bus station and Neston.

There is no direct bus service to Liverpool City Centre. The closest direct bus service to Liverpool is the 487 which can be alighted from Brook Street or Mellock Lane, approximately a 30 minute walk away from the Leahurst campus. Table A.12 below summarises bus services in the vicinity of the site.

Table A.12: Bus Frequencies Serving Leahurst

Service Number	Route	Hours of Operation	Saturday	Sunday	Operator
		Mon-Friday			
X22	Heswall – Parkgate – Neston - Chester	06:58-19:20 Every 60min	07:30-19:20 Every 60min	No Service	Stagecoach
272/274	Ellesmere Port bus station – Hooton rail station – Neston Rail station	08:25-18:22 Every 60-120minutes	No Service	No Service	Aintree Coachline

### Train Access

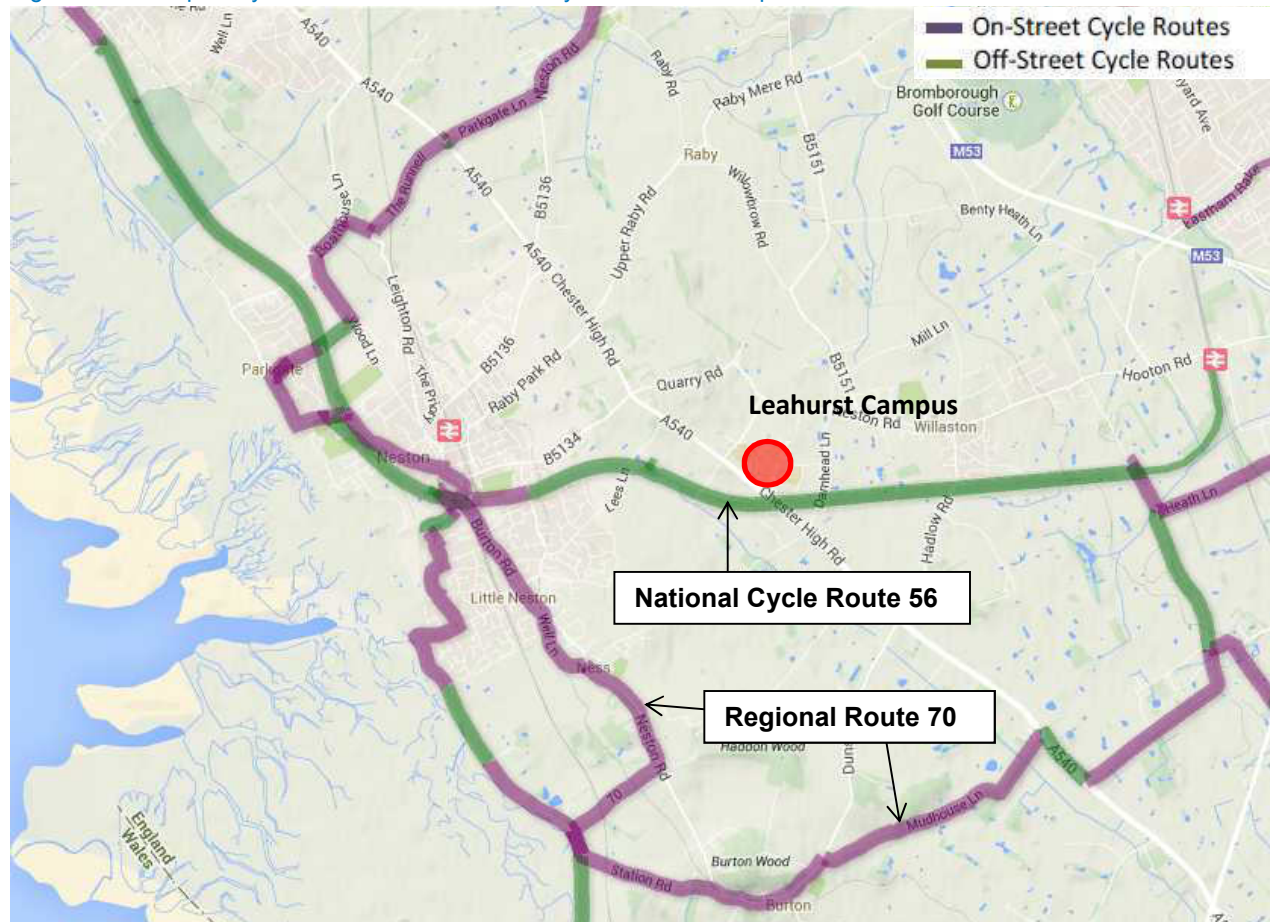
The closest railway stations are Neston and Hooton. Neston is located on the Wrexham to Bidston line, an hourly service is in operation on this line during peak times. Hooton is located on the Liverpool to Chester/Ellesmere Port line with services every 15 minutes during peak times. The campus is approximately 3km from Neston Station and 5km from Hooton Station. There is no bus linking these stations directly with the site.

### Sustainable Travel Modes

#### Cycling Access

Cycling is a popular mode of travel to the campus, particularly during the warmer months. Several off and on-road routes are located in close proximity of the campus (Figure A.53) including National Cycle Route 56 which runs along the A540 in close proximity to the campus and connects in the east to National Cycle Route 70, offering a direct cycle link to Liverpool and Chester. Cycle parking is provided throughout the campus, examples of cycle parking around the site are presented in Figure A.54.

Figure A.53: Map of Cycle Routes in Close Proximity to Leahurst Campus



Source: Sustrans (accessed 29/09/14)



Figure A.54: Bicycle Storage Provision at Leahurst



### **Pedestrian Access**

The closest residential areas to the campus are Neston, Little Neston and Willaston. Willaston is located closest to the campus, approximately 2.5km from campus. Although 2.5km is not an unreasonable distance to walk for most people, there are limited footpaths and crossing facilities in the vicinity of the campus due to the rural location of the campus. There is a very narrow footway which is often overgrown and poorly surfaced leading from Hanns Hall Road to the main entrance to the Leahurst site.

# Ness Gardens

## **Ness Gardens Overview**

The University Botanical Gardens are located in Wirral south of Little Neston, in close proximity to the Leahurst campus. The gardens were presented to the University in 1948 to be kept as botanical gardens available to the public.

The Gardens are open six days a week (closed on Tuesdays) all year round with a charge of £7.15 for adults and £6.50 concessions to enter the gardens. The site has become well renowned across the UK for its botanical research, conservation and education.

## **Site Accessibility**

### **Vehicular Access**

Ness Botanical Gardens are located off Neston Road, around 2km south of the village of Little Neston and 2km north of Burton (Figure A.55). Liverpool is located approximately 20km north east of the site and Chester 16km south east. The M53 and A41 are located to the east of Ness Gardens and are key vehicle distributors, the site to Liverpool, Chester and beyond..

Figure A.55: Map of Ness Gardens and Local Road Network



### Car Parking

The site is served by ample car parking. Parking is available free of charge to staff, students and visitors, 100 parking spaces are available to the public, along with 12 staff parking spaces, 3 coach spaces and the option of a further 100 spaces with the use of an overflow car park (Figure A.56).

Figure A.56: Car Parking and Coach Provision at Ness Gardens



## Public Transport Access

### Bus

The nearest bus stops to the site are located on either side of the Neston Road directly outside the main entrance to the site. The 487 and 488 operated by Arriva provide a service every 30 minutes with direct links to Birkenhead and Liverpool City Centre. A summary of this service is provided in Table A.13 below.

Table A.13: Bus Service Summary - Ness Gardens

Service Number	Route	Hours of Operation	Saturday	Sunday	Operator
		Mon-Friday			
487/488	Liverpool – Birkenhead – Bebington – Neston – Ness Botanic Gardens	08:00-17:07 Every 30min	08:00-17:07 Every 30min	09:29-16:25 Every 120min	Arriva

The bus stops serving the Gardens are of a good quality with both stops on either side of Neston Road providing a shelter, timetable information and Kassel kerbs (Figure A.57).



Figure A.57: Bus Stop Facilities on Neston Road adjacent to Site Access



### **Train**

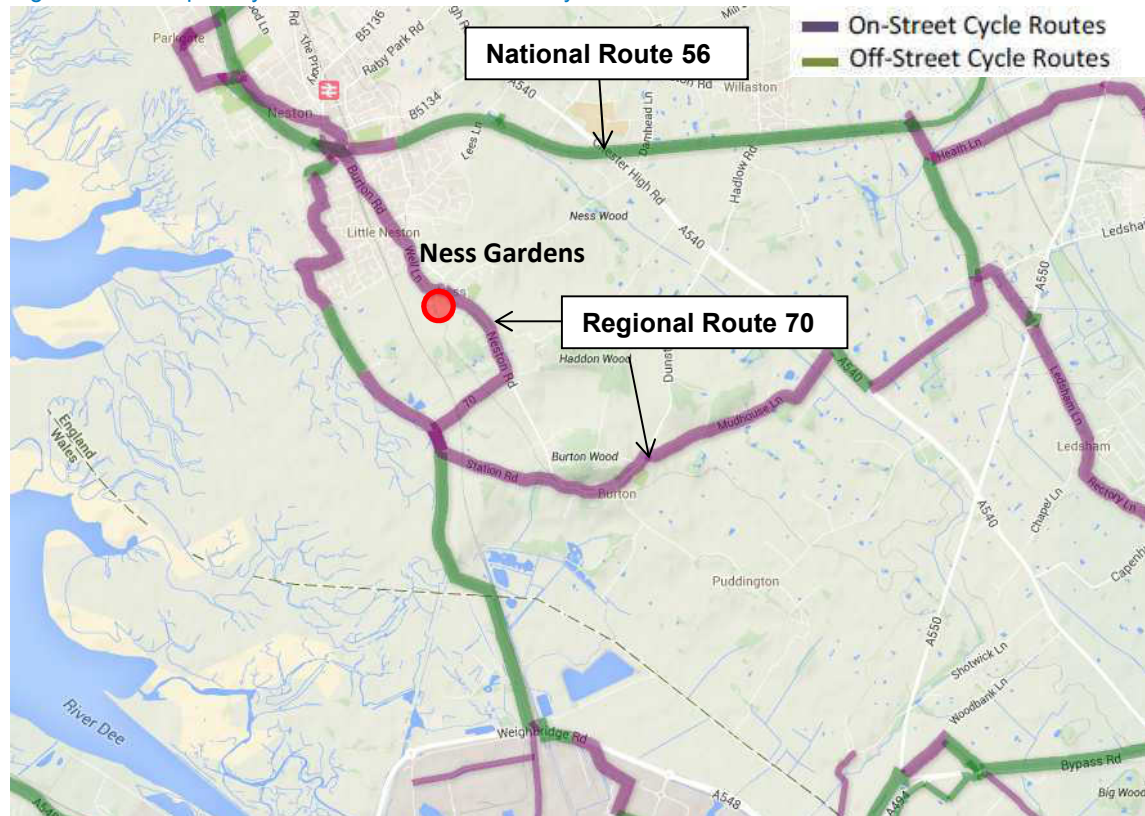
Neston Railway station is located 3km north of Ness Botanical Gardens and is part of the Wrexham to Bidston line with an hourly service operating from Bidston to Wrexham Central. Hooton Railway station is located approximately 6km east of the Gardens and is part of the Liverpool to Chester/Ellesmere Port line with services every 15 minutes during peak hours. There is no bus route to link these stations with Ness Gardens.

### **Sustainable Travel Modes**

#### **Cycling**

The site is located approximately 3km south of National Cycle Route 56 and off Regional route 70 (Figure A.58).

Figure A.58: Map of Cycle Routes in Close Proximity to Ness Gardens



Source: Sustrans (accessed 29/09/14)

Cycle parking is provided in the form of two racks of five Sheffield stands (Figure A.59) and are located in the main car park in close proximity to the main visitor building entrance and. Cycle parking is available to all users of the Gardens. Shower facilities are available to of staff and volunteers.

Figure A.60: Bicycle Storage Provision at Ness Gardens



### **Pedestrian Access**

Internal improvements have been made by the Gardens to provide improved pedestrian access to the site along Neston Road with the installation of footway on Ness Gardens land that leads into the site.

## Appendix B. Staff Travel Survey



# University of Liverpool 2014 Staff Travel Survey

## University of Liverpool

Thank you for participating in this Staff Travel Survey, run in conjunction with Merseytravel. The information you provide will help contribute towards a number of the University's commitments that include informing the development of the Travel Plan and which travel and transport initiatives the University should invest in to support staff. The University has a requirement to report Estates Management information to HEFCE to support funding bids, and Merseytravel will also use the information to help monitor travel behaviour within the City that will be reported to Government and used to help attract central funding.

The survey should take no longer than 5 minutes to complete and participants will have the opportunity to be entered in to a prize draw to win £100 of high street vouchers. In order to enter the competition please include your email address or phone number in the question towards the end of the survey. Personal information will only be used in line with UK data-protection law and will not be shared with anyone else without first requesting permission.

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Aintree Hospital | <input type="checkbox"/> Alder Hey                  | <input type="checkbox"/> Central campus |
| <input type="checkbox"/> Leahurst         | <input type="checkbox"/> Liverpool Women's Hospital | <input type="checkbox"/> Ness Gardens   |
| <input type="checkbox"/> North campus     | <input type="checkbox"/> Residences                 | <input type="checkbox"/> Roy Castle     |
| <input type="checkbox"/> South campus     | <input type="checkbox"/> Wyncotes                   |   |

Your Postcode:

**How many days a week do you travel to work? (If the number of days you travel to work varies, please tell us the AVERAGE number of days per week you travel to work)**

- |                            |                            |                            |
|----------------------------|----------------------------|----------------------------|
| <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 |
| <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 |
| <input type="checkbox"/> 7 |                            |                            |

Other. Please state below..

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**Do you have access to a car to make the journey to and from work?**

- ☐ Yes, every day      ☐ Yes, most days      ☐ Yes, but only occasionally  
☐ No      ☐ N/A - I don't drive

**How do you USUALLY travel to work? Please select the mode that you use for the greatest distance.**

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> A car, not sure what engine type                | <input type="checkbox"/> In a small petrol car up to 1.4 litres          | <input type="checkbox"/> In a small diesel car up to 1.7 litres |
| <input type="checkbox"/> In a medium petrol car between 1.5 and 2 litres | <input type="checkbox"/> In a medium diesel car between 1.7 and 2 litres | <input type="checkbox"/> In a large petrol car over 2 litres    |
| <input type="checkbox"/> In a large diesel car above 2 litres            | <input type="checkbox"/> Car as passenger                                | <input type="checkbox"/> Walk                                   |
| <input type="checkbox"/> Bicycle   | <input type="checkbox"/> Bus   | <input type="checkbox"/> Train                                  |
| <input type="checkbox"/> Ferry   | <input type="checkbox"/> Motorbike or moped                              | <input type="checkbox"/> Taxi                                   |
| <input type="checkbox"/> Not applicable, I work from home                | <input type="checkbox"/> Other (please give details below)               |   |
- Other. Please state below..

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**Do any of the following factors dictate how you travel to work?**

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> A medical condition   | <input type="checkbox"/> I need to drop off and / or pick up children | <input type="checkbox"/> Other caring responsibilities   |
| <input type="checkbox"/> I need to drop off and / or pick up another adult en-route (please specify below) | <input type="checkbox"/> Other factors                                | <input type="checkbox"/> Not applicable, I have no responsibilities that affect my travel choice |

Other. Please state below..

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**What other form(s) of transport do you use occasionally to get to work? Tick as many as apply.**

- |   |   |                                |
|---|---|--------------------------------|
| <input type="checkbox"/> Walk                       | <input type="checkbox"/> Bicycle            | <input type="checkbox"/> Car   |
| <input type="checkbox"/> Car Share                  | <input type="checkbox"/> Bus                | <input type="checkbox"/> Train |
| <input type="checkbox"/> Ferry                      | <input type="checkbox"/> Motorbike or moped | <input type="checkbox"/> Taxi  |
| <input type="checkbox"/> I sometimes work from home | <input type="checkbox"/> Not applicable     |                                |

**If you travel to work by car, do you USUALLY**

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Drive alone               | <input type="checkbox"/> Car share with another University of Liverpool staff member | <input type="checkbox"/> Car share with a non University colleague |
| <input type="checkbox"/> Give lifts to non drivers | <input type="checkbox"/> Taking children to school prior to travelling to work       | <input type="checkbox"/> Other (please give details below)         |

☐ Not applicable

Other. Please state below..

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**How far do you travel to & from work? (please tell us to the distance for the RETURN trip to the nearest mile)**

**Are you aware of any travel schemes or opportunities that have been offered through your workplace in the past year? If yes, tick all that you are aware of from the list below.**

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Travel information event (e.g. cycling breakfasts) | <input type="checkbox"/> Cycle shelters                                 | <input type="checkbox"/> Cycle to work loan scheme                           |
| <input type="checkbox"/> Bicycle user group                                 | <input type="checkbox"/> Liverpool City Council cycle hire scheme (City | <input type="checkbox"/> Sports centre shower & changing facilities for non- |

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Season ticket loan scheme (Merseytravel areas only)   | <input type="checkbox"/> Bike)<br>Car share database (Livshare) | <input type="checkbox"/> members<br>Other type of opportunity (please state what in the box below) |
| <input type="checkbox"/> I am not aware of any travel schemes or opportunities |   |  |
| Other. Please state below..  |   |  |

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**Have you made any changes to the way you travel to work in the last year?**

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> I use a car more often (including giving or taking a lift)                  | <input type="checkbox"/> I use a car less often (including giving or taking a lift)            | <input type="checkbox"/> I use public transport more often |
| <input type="checkbox"/> I use public transport less often   | <input type="checkbox"/> I walk or cycle more often  | <input type="checkbox"/> I walk or cycle less often        |
| <input type="checkbox"/> I have not significantly changed how I travel to work in the last 12 months | <input type="checkbox"/> Other changes made to above options (please explain in the box below) |  |
| Other. Please state below..  |  |  |

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**If you have changed your travel behaviour, please tick any of the following that influenced this change**

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> No change made  | <input type="checkbox"/> Better / worse access to cycle shelter, shower or changing facilities | <input type="checkbox"/> Better / poor access to cycle facilities |
| <input type="checkbox"/> Travel Information event eg cycle roadshow, workplace Health & Wellbeing week etc | <input type="checkbox"/> I wanted to save money  | <input type="checkbox"/> Attempting to be more active             |



☐ Improved health                      ☐ Change of home or work location                      ☐ Deteriorating health

☐ Other (please state in the box below)

Other. Please state below..

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**How long you worked at the University?**

☐ up to 6 months                      ☐ 6-12 months                      ☐ 1-3 years  
☐ More than 3 years                      ☐ Prefer not to say

**Before working at the University I was:**

☐ in full time employment                      ☐ in part time employment                      ☐ self employed  
☐ in education or training                      ☐ taking a career break                      ☐ unemployed  
☐ retired                      ☐ other                      ☐ prefer not to say

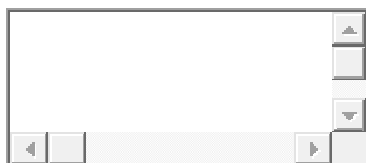
**Please tell us your age group**

☐ Less than 17                      ☐ 17-25                      ☐ 26-40  
☐ 41-55                      ☐ 56-65                      ☐ 65+  
☐ Prefer not to say

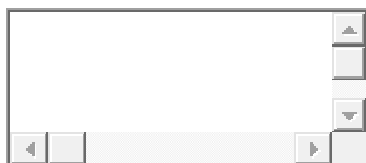
**Please indicate your gender**

☐ Male                      ☐ Female                      ☐ Prefer not to say

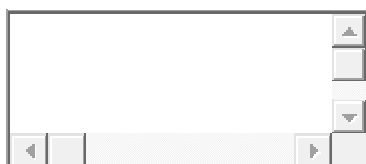
**If you would like to be entered into prize draw to win a hundred pounds worth of high street vouchers, please enter either an email address or telephone number on which you can be contacted**

A rectangular text input field with a thin grey border. It contains no text. On the right side, there are three small square buttons stacked vertically, each with a downward-pointing arrow. On the bottom left, there are two small square buttons side-by-side, each with a leftward-pointing arrow. On the bottom right, there are two small square buttons side-by-side, each with a rightward-pointing arrow.

**Do you have any comments about your journey to work?**

A rectangular text input field with a thin grey border. It contains no text. On the right side, there are three small square buttons stacked vertically, each with a downward-pointing arrow. On the bottom left, there are two small square buttons side-by-side, each with a leftward-pointing arrow. On the bottom right, there are two small square buttons side-by-side, each with a rightward-pointing arrow.

**If you would like to be involved with any future consultation / events on car parking (CP), cycling (C), walking (W) or public transport (PT) please enter an email address or phone number in the box below, together with your name and the codes for those subjects you are interested in.**

A rectangular text input field with a thin grey border. It contains no text. On the right side, there are three small square buttons stacked vertically, each with a downward-pointing arrow. On the bottom left, there are two small square buttons side-by-side, each with a leftward-pointing arrow. On the bottom right, there are two small square buttons side-by-side, each with a rightward-pointing arrow.

The survey is now complete, thank you for taking part.

## Appendix C. 2014-2018 Travel Plan Action Plan

Item No.	Action	Estimated Completion Date	Responsibility
<b>Public Transport</b>			
1	Continue to provide a salary sacrifice scheme for the purchase of Mersey Travel season tickets by staff.	Ongoing	Sustainability/HR/Finance
2	Investigate the feasibility of providing national rail season ticket loans for those staff that live outside of Merseyside.	Spring 2015	Sustainability/Finance
3	Promote the revised Travelwise 'How to get to guide' to staff and students.	Winter 2014/15	Sustainability /Communications/TravelWise
4	Provide the Merseytravel journey planning tool on the University website	Winter 2014/15	Sustainability /CSD
5	Provide bus information on the directions page ( <a href="http://www.liv.ac.uk/maps/visiting/">http://www.liv.ac.uk/maps/visiting/</a> ) of the main website as this mode is not covered	Winter 2014/15	Sustainability / CSD
6	Investigate purchasing block tickets from bus providers at discount for bus journeys up Brownlow Hill to encourage increased use of public transport. Staff would purchase bus tickets from the University at the discounted rate.	Spring 2015	Sustainability
7	Continue to liaise with Merseytravel regarding the upgrade of bus stops in the vicinity of the main campus	Ongoing	Sustainability /Merseytravel
8	Continue to persue CWAC Council regarding the increase in frequency of services from Hooton Rail Station and a dedicated stop at Leahurst.	Ongoing	Sustainability/ CWAC
9	Investigate the feasibility of creating a minibus shuttle between Hooton Rail Station, popular student areas (Willaston, Neston etc.) and the Leahurst campus.	Spring 2015	Sustainability
<b>Cycling/Walking/Motorcycle</b>			
10	Promote the cycle mileage allowance for staff business trips undertaken by cycle.	Ongoing	Sustainability/HR
11	Update the City centre campus maps and way-finding boards to show all cycle storage facilities and changing facilities	Winter 2014/15	Sustainability/Signage
12	Carry out an audit of all motorcycle parking facilities on City Campus.	Oct-14	Sustainability
13	Carry out regular audits of all cycle parking occupancy, condition and changing and shower facilities	Ongoing	Sustainability
14	Develop and implement a programme of capital works to improve and rationalise cycle and motorcycle facilities	Spring 2015	Sustainability /Capital Projects
15	Continue operating the existing Cycle to Work scheme with P&MM	Ongoing	Sustainability
16	To manage the movements of cyclists on campus through the development of key cycle routes	Ongoing	Sustainability/BUG/ Liverpool City Council
17	Continue the Bicycle User Group activity	Ongoing	Sustainability/BUG



18	Create a travel group(s) for pedestrians, public transport users and car users	Winter 2014/15	Sustainability
19	Sign up to and promote the cycling works website ( <a href="http://www.cyclingworks.co.uk/">http://www.cyclingworks.co.uk/</a> )	Winter 2014/15	Sustainability
20	Investigate feasibility of providing corporate City Bike Membership to staff	Winter 2014/15	Sustainability/Liverpool City Council
21	Continue to support the Guild of Students cycle hire scheme	Ongoing	Sustainability
22	Create a campus plan for Leahurst to include the location of cycle parking and pedestrian routes	Spring 2015	Sustainability
23	Take part in and arrange events to promote the benefits of walking such as lunchtime leisure walks, pedometer challenges etc.	Ongoing	Sustainability /Corporate Communications/TravelWise/Sport Liverpool
24	Add a link to the Walkit ( <a href="http://walkit.com/cities/liverpool/">http://walkit.com/cities/liverpool/</a> ) walking journey planner to the University directions and travel plan page	Winter 2014/15	Sustainability/CSD
<b>Car Sharing &amp; Car Clubs</b>			
25	Further promotion of Liv Share	Ongoing	Sustainability /Communications
26	Investigate the feasibility of providing car club vehicles i.e City Car Club on campus.	Summer 2015	Sustainability / Liverpool City Council
<b>Reducing the need to travel (commuting &amp; business)</b>			
27	Promote tele and video-conferencing facilities to staff and encourage their usage by asking staff to state their reason why the meeting/visit cannot be undertaken remotely when requesting travel with line managers for journeys over 50miles.	Ongoing	Sustainability /Communications/Line Managers
<b>Promotion/Marketing/Communications</b>			
28	Migrate all Travel Plan information to a single location	Autumn 2014	Sustainability/CSD
29	Review and update where necessary all sustainable travel information each quarter	Every Quarter	Sustainability/CSD
30	Provide regular Travel Plan bulletins to staff via the various channels available to promote Travel Plan initiatives and events, particularly the use of social media.	Monthly	Sustainability/Communications
31	Participation in annual events such as cycle and walk to work week etc.	Ongoing	Sustainability /Travelwise/Communications
<b>Business Travel</b>			
32	Produce formal business travel policy and promote the use of active modes for shorter journeys and public transport for longer journeys	Winter 2015/16	Sustainability/HR
33	Undertake a business travel audit - baseline review of total University business mileage (and costs and indicative carbon emissions) for all modes (University vehicle fleet, car mileage, rail, air and taxi expenses data). Annual monitoring of business travel data.	Ongoing	Sustainability /Finance/Procurement

<b>Fleet/Deliveries</b>			
<b>34</b>	Investigate the use of electric vehicles and electric vehicle recharging points.	Autumn 2015	Sustainability
<b>35</b>	Undertake audit of all fleet operations.	Winter 2014/15	Sustainability /Pool Car Manager
<b>Establish Student Travel Patterns &amp; Monitoring</b>			
<b>36</b>	Student travel survey - undertake web-based travel survey of all University students to enable travel mode share targets to be identified. Repeat every 2 years as part of monitoring process.	Every 2 Years	Sustainability /Travelwise/Communications
<b>37</b>	Staff travel survey - Repeat every 2 years as part of monitoring exercise.	Every 2 Years	Sustainability /Travelwise/Communications
<b>Car Parking Management</b>			
<b>38</b>	Review recommendations of recent Initial Movement Strategy completed by Mott MacDonald and disseminate agreed car park management options to staff.	Spring 2015	Facilities Management/Communications

## Appendix D. Cycle Audits – February 2014

**NORTH CAMPUS / CENTRAL CAMPUS / SOUTH CAMPUS**

LOCATION	TYPE	MAXIMUM CAPACITY	#1 (Monday – <> 1200-1330)	#2 (Monday – <> 1430-1530)	#3 (Weds – <> 0945-1100)	#4 (Thurs – <> 1030-1100)	#5 (Fri – <> 1000-1115)	Utilisation rate by spaces (average)	Utilisation rate (%)
Side of HC / EEE	Pod – locked.	20	20		11		12	14.3 / 20	72%
Side of HC/EEE	Railing	n/a	6		2		5	4.3	-
In front of HC	Bars	10	8		7		7	7.3 / 10	73%
In front of HC	Bars	10	8		1		5	4.6 / 10	46%
In front of HC	Railings	n/a	5		0		0	1.6	-
Sherrington entrance	Bars	20	12		9		10	10.3 / 20	52%
Sherrington entrance	Railings	n/a	11		3		4	6	-
Foresight Centre	Bars	4	2		2		2	2 / 4	50%
Block B car park	Pod – open	24	4		8		4	5.3 / 24	22%
Quad – Harrison Hughes	Bars	20	14		10		14	12.6 / 20	63%
Quad - general	Railings	n/a	18		2		5	8.3	-
Quad (adjacent to Brownlow)	Bars	20	8		8		10	8.6 / 20	43%
Quad – George Holt	Bars	14	8		7		6	7 / 14	50%
Archway <> Quad and HC	Railings	n/a	3		3		0	2	-
Life Sciences Car Park	Pod – locked	6	8		9		6	7.6 / 6	127%
BioSciences (Apex)	Bars	24	17		10		12	13 / 24	54%
Front of Life Sciences	Pod – locked	20	11		9		14	11.3 / 20	57%
Front of Life Sciences	Bars	22	8		17		23	16 / 22	73%
Front of Life Sciences	Wall locks	11	3		3		5	3.6 / 11	33%
Front of LTB	Bars	22	8		8	8		8 / 22	36%
Side of LTB	Bars	8	2		0	0		0.6 / 8	8%
Side of LTB	Bars	8	3		5	5		4.3 / 8	54%
Front of Chemistry	Pod – open	10	7		7	9		7.6 / 10	77%
Front of Chemistry	Bars	24	12		13	8		11 / 24	46%
Front of Chemistry	Railings	n/a	3		4	3		3.3	-
Tree-lined Ave, near Physics	Bars	8	1		0	1		0.6 / 8	8%
Side of Chadwick Tower	Bars	4	0		0	0		0 / 4	0%
Sports Centre entrance	Bars	22	22		10	16		16 / 22	73%
Under Sports Centre (eaves)	Bars	40	2		1	2		1.6 / 40	4%
Architecture entrance	Bars	14	12		14 (3 on benches)	14 (2 on benches)		15 / 14	107%
In front of Oxford News	Bars	4	0			2	0	0.6 / 4	15%
Front of Bistro 5 etc	Railings	n/a		3		0	1	1.3	-
Music entrance (opp Rendall)	Railings	n/a		5		3	2	3.3	



**NORTH CAMPUS / CENTRAL CAMPUS / SOUTH CAMPUS**

Back of Rendall	Bars	16		12		12	7	10.3 / 16	64%
Back of Rendall	Railings	n/a		4		1	1	2	
Back of Rendall	Pod – locked	20		13		10	11	11.3 / 20	57%
Chatham St (adjacent to Vine Ct)	Bars	30		5		7	2	4.6 / 30	15%
Chatham St (adjacent to SJ)	Bars	38		23		11	9	14.3 / 38	38%
ULMS entrance	Bars	10		2		2	6	3.3 / 10	33%
Back entrance to ULMS	Bars	26		2		0 (construc)	0 (construc)	0.6 / 26	2%
Back of ULMS	Pod – locked	20		12		9	10	10.3 / 20	52%
SJ - under eaves	Bars	34		29		16	17	20.6 / 34	61%
Oxford St (in front of SJ)	Bars	6		1		1	0	0.6 / 12	5%
Front of Surface Science	Bars	12		0	0	0		0 / 12	0%
Oliver Lodge entrance	Railings	n/a		2	1	1		1.3	
CTL entrance	Bars	20		16	9	17		14 / 20	70%
Under Chadwick bldg eaves	Bars	20		16	7	16		13 / 20	65%
In front of Maths (facing Chad)	Railings	n/a		5	3	0		2.6	
Side of Maths (facing Chad)	Bars	10		6	1	4		3.6 / 10	37%
Side of Maths (facing Chad)	Railings	n/a		2	0	0		0.6	
Chadwick entrance	Railings	n/a		2	0	0		0.6	
Guild – Reilly entrance	Railings	n/a		3	2		0	1.6	
Maths – main entrance	Bars	24		13	9	7		9.6 / 24	40%
Hart entrance	Bars	12		0	1		1	0.6 / 12	5%
Guild – RBS entrance	Bars	10		1	0		0	0.3 / 10	3%
Mt Pleasant car park entrance	Bars	8		0	1		0	0.3 / 8	4%
Mt Pleasant car park	Pod – locked	20		8	6		3	4.6 / 20	23%

	Capacity	Average Utilisation Rate
<b>TOTAL</b>	<b>675</b>	42%
North Campus	225	58%
Central Campus	296	35%
South Campus	204	34%
Pods (locked)	106	65%
Pods (open)	34	50%
Bars	596	39%
Wall locks	11	33%
Railings	n/a	39 bikes in total on average = 6% of max storage capacity
Random/obscure railing spots		During the week audit, the <u>total</u> number of bikes locked to rails in more obscure/random locations was 19.

Capacity excludes the following:

- Residences
- Other building storage (e.g. NOC)
- Other public storage (e.g. Mount Pleasant junction)
- Veterinary Practice (Grove Street)

**Other Data:**

<b>Residences</b>	<b>Capacity</b>	<b>Comments</b>
<b>Vine Court</b>	<b>56</b>	<b>Generally used to capacity.</b>
<b>Mulberry Court</b>	<b>12</b>	<b>Underused, only being used by 4.</b>
<b>Melville Grove</b>	n/a – under construction.	
<b>Tudor Close</b>	<b>20</b>	<b>Only holding 2 bikes at present.</b>
<b>Philharmonic Court</b>	Tbc	
<b>Dover Court</b>	Tbc	
<b>Carnatic</b>	<b>185 (total)</b>	<b>Sufficient; generally used to capacity.</b>
Morton	33	
Lady Mountford Hall	26	
Rankin	40	
Salisbury + McNair	68	
Dale	18	
<b>Roscoe &amp; Gladstone</b>	<b>35</b>	<b>Generally used to capacity.</b>
<b>Derby &amp; Rathbone</b>	<b>50-60</b>	<b>Generally used to capacity.</b>