



Wythenshawe Community Housing Group

# Oakwood Lodge, Wythenshawe

## Transport Statement

November 2021



Wythenshawe Community Housing Group

# Oakwood Lodge, Wythenshawe

## Transport Statement

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PROJECT NO:  
326134

DATE:  
November 2021

| REPORT No: | FILE NAME                      | PREPARED: | DATE OF ISSUE:   | STATUS: | CHECKED: | AUTHORISED: |
|------------|--------------------------------|-----------|------------------|---------|----------|-------------|
| 1          | 211111 J326134<br>TS v1.1.docx | MA        | 11 November 2021 | Final   | LJ       | ME          |

### CHANGE LOG

| VERSION | DATE:            | CHECKED BY: | REASON FOR CHANGE:                    |
|---------|------------------|-------------|---------------------------------------|
| 1.0     | 26 October 2021  | ME          | Draft for client team review          |
| 1.1     | 11 November 2021 | ME          | Final version for planning submission |

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## APPENDICES

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# 1. Introduction

## 1.1 Preamble

- 1.1.1 Mode Transport Planning ('Mode') has been appointed by Wythenshawe Community Housing Group (the 'Applicant') to provide transport planning and highways advice in relation to a planning application for a residential development at the Oakwood Lodge Day Care Centre on Longley Road in Wythenshawe, Manchester.
- 1.1.2 The proposed development comprises 20no. (2-bedroom and 3-bedroom) dwellings, with vehicular access via the existing access road off Longley Lane. The proposed development includes footway provision, on-site car parking, cycle parking and outside communal space. The existing Oakwood Lodge building on the site will be demolished as part of this development.
- 1.1.3 The indicative planning application site boundary is shown in [Figure 1.1](#).

**Figure 1.1 : Planning Application Site Boundary**



- 1.1.4 This Transport Statement (TS) has been prepared to assess the development proposals, with particular consideration to accessibility by sustainable modes of travel, servicing arrangements, on-site parking provision and expected trip generation.

## 1.2 Methodology

- 1.2.1 The methodology for the TS adopts the guidance set out within the Ministry of Housing, Communities & Local Government document, 'Transport Evidence Bases in Plan Making and Decision Taking' (2014), which superseded the Department for Transport's (DfT) 'Guidance on Transport Assessment' (2007). However, although the 2007 guidance has been superseded, it nonetheless remains instructive and has been used to inform the overall structure of the TS.
- 1.2.2 The scope and methodology of assessment has been agreed with Manchester City Council (MCC) Highways. Scoping correspondence with MCC Highways is attached in [Appendix A](#).

## 1.3 Report Structure

- 1.3.1 Following this introduction, the TS has been structured as follows:
- [Chapter 2](#) describes the site location, local highway network and collision data;
  - [Chapter 3](#) outlines the development proposals, vehicular access, servicing and on-site parking;
  - [Chapter 4](#) describes accessibility by non-car modes, including public transport, cycle and on foot;
  - [Chapter 5](#) details the expected trip generation and traffic impact;
  - [Chapter 6](#) summarises the framework for a Travel Plan on the site; and
  - [Chapter 7](#) summarise and concludes the findings of the report.

## 2. Existing Conditions

### 2.1 Site Location and Existing Use

- 2.1.1 The development site is located in Wythenshawe, approximately 7km northeast of Altrincham, 6km southeast of Stretford, 6km west of Stockport and 5km north of Manchester Airport. The strategic site location is shown in Figure 2.1.

Figure 2.1 : Strategic Site Location Plan



- 2.1.2 The Oakwood Lodge building is current vacant but previously operated as a day care centre. The existing buildings at the site will be demolished as part of the development proposals at the site.

### 2.2 Local Highway Network

- 2.2.1 The development site is bound by an open field to the north, existing residential properties to the east and west, and Kids Start children's nursery and Longmire adult learning centre. Vehicular and pedestrian access to the site is provided via a private road off Longley Lane, which also provides access to Kids Start children's nursery and Longmire adult learning centre.

- 2.2.2 The location of the development site in the context of the local highway network is shown in Figure 2.2.

Figure 2.2 : Local Highway Network



2.2.3 The private road serving the site comprises a c.4.8m wide carriageway and a c.2m wide footway along the western side of the road, as shown in Photograph 2.1.

Photograph 2.1 : Private Access Road (northbound)



- 2.2.4 The private road forms the minor arm of a priority junction with Longley Lane. The junction includes 'no waiting at any time' double yellow lines at the junction bell and 5mph speed limit signage, as shown in [Photograph 2.2](#).

Photograph 2.2 : Access Junction off Longley Lane (southbound)



- 2.2.5 The access junction includes a pedestrian crossing on the minor arm, comprising dropped kerbs and tactile paving, which connects with the existing footway provision on the northern side of Longley Lane, as shown in [Photograph 2.3](#).

Photograph 2.3 : Pedestrian Crossing at Access Junction



2.2.6 Adjacent to the access road, Longley Lane comprises a c.9.5m wide single carriageway with one lane in each direction, and footway provision on both sides of the road, as shown in [Photograph 2.4](#).

Photograph 2.4 : Longley Lane (westbound)



2.2.7 Longley Lane is subject to a 30mph speed limit and benefits from an existing network of street lighting columns.

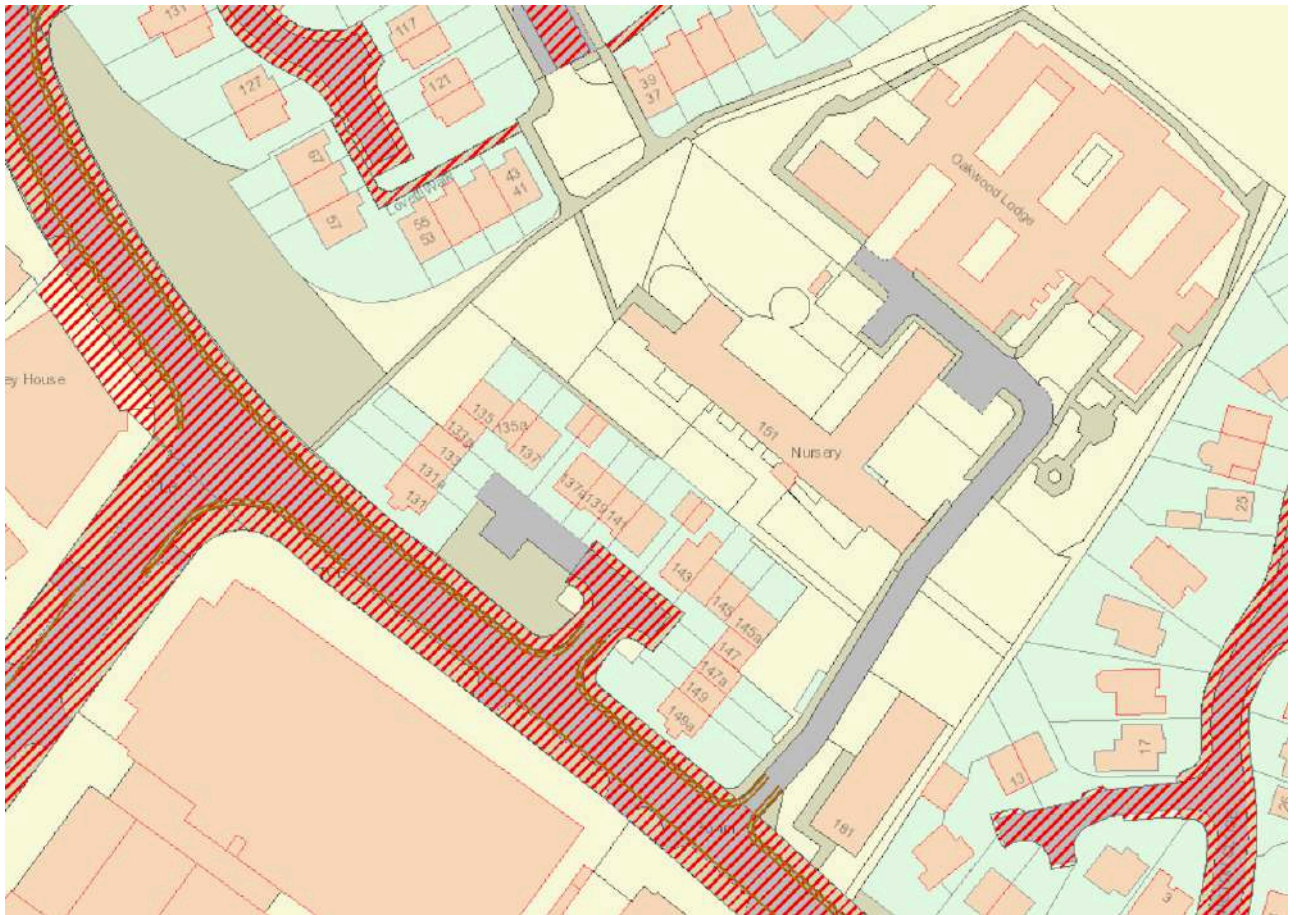
- 2.2.8 Waiting restrictions are operational along the road, including 'No waiting at any time' double yellow lines on the northern side of the road at either side of the access junction, and single yellow line waiting restrictions (Monday – Friday, 8:00 – 18:00) on the southern side of the road, as shown in [Photograph 2.5](#).

[Photograph 2.5 : Longley Lane \(eastbound\)](#)



- 2.2.9 The extent of the adopted local highway network has been obtained from MCC, as shown in [Figure 2.3](#).

Figure 2.3 : Adopted Local Highway Network (source: MCC)



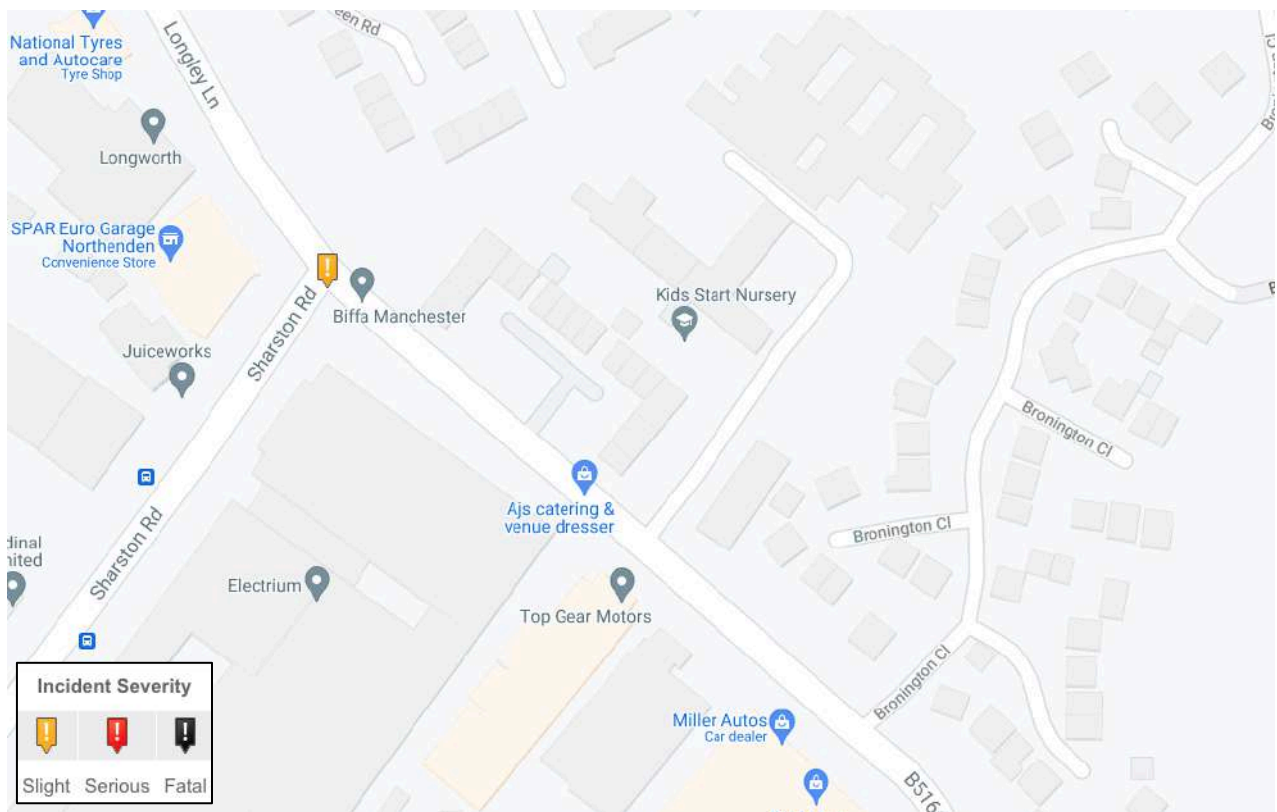
2.2.10 Figure 2.3 shows that the access road serving the site is not an adopted road. The information shows that Longley Lane forms part of MCC's adopted highway network.

## 2.3 Road Safety

2.3.1 Personal Injury Collision (PIC) data in vicinity of the development site has been obtained from the CrashMap database (crashmap.co.uk) for the most recent period between June 2015 and June 2020. The study area includes Longley Lane and the access road.

2.3.2 Figure 2.4 shows the extent of the study area and the location of PICs reported during the five-year study period.

Figure 2.4 : Personal Injury Collision Data (source: crashmap.co.uk)



- 2.3.3 As shown in Figure 2.4, no collisions were reported on the access road or on Longley Lane near the access junction.
- 2.3.4 On the wider highway network, one slight collision was reported at the Longley Lane/ Sharston Road junction. No serious or fatal collisions were reported on the local highway network during the five-year study period.
- 2.3.5 Overall, based on the location, frequency and severity of collisions recorded, there is no evidence to suggest that the highway layout, design or condition are significant factors in PIC records on the local highway network. There is also no evidence to suggest that the proposed development would increase risks of PICs in the surrounding area or have a detrimental impact on highway safety.

## 2.4 Public Rights of Way

- 2.4.1 There are no Public Rights of Way (PRoW) within the site boundary. There is an existing footpath along the eastern boundary of the site, between Longley Lane and Shawcross Lane, as shown in Figure 2.5.

Figure 2.5 : Existing Public Rights of Way



## 2.5 Air Quality

- 2.5.1 According to the Department for Environment, Food and Rural Affairs (DEFRA), the development site is not located in an Air Quality Management Area (AQMA).

## 3. Development Proposals

### 3.1 Proposed Use

- 3.1.1 The proposed development comprises 20no. (2-bedroom and 3-bedroom) dwellings, at the site of the existing Oakwood Lodge Day Care Centre on Longley Road in Wythenshawe, Manchester. The proposed development includes footway provision, on-site car parking, cycle parking and outside communal space.
- 3.1.2 The existing Oakwood Lodge building on the site will be demolished as part of this development.
- 3.1.3 The proposed site layout is shown in [Figure 3.1](#), with the full site layout drawings attached in [Appendix B](#).

**Figure 3.1 : Proposed Site Layout** (source: Arcus)



## 3.2 Site Access Arrangement

- 3.2.1 Vehicular and pedestrian access will be provided via the existing access road off Longley Lane, which connects with 5.5m wide access road within the site, with 2m wide footway provision on both side of the road.
- 3.2.2 Swept path analysis has been undertaken for a 11.4m waste collection vehicle, which is the largest vehicle expected to regularly visit the site. The analysis shows that a waste collection vehicle can enter and exit in a forward gear and turn within the site.
- 3.2.3 The analysis shows that a waste collection vehicle can access each property, in accordance with MfS standards and BS:5906. Swept path analysis for a waste collection vehicle within the site is shown in [Figure 3.2](#), and in [Drawing J32-6134-PS-001](#) attached in [Appendix C](#).

**Figure 3.2 : Swept Path Analysis – Waste Collection Vehicle (Internal Site Layout)**



- 3.2.4 It is acknowledged that the existing access road from Longley Lane is c.4.8m wide, however, considering this is only over a relatively short section of road with good forward visibility and the low number of larger vehicles expected to the site, the access arrangement is considered acceptable.
- 3.2.5 Swept path analysis has also been undertaken at the existing access junction, which shows that a 11.4m waste collection vehicle can enter and exit from Longley Lane, with all vehicle wheels remaining within the carriageway. Swept path analysis for a waste collection vehicle at the existing access junction with Longley Lane is shown in [Figure 3.3](#), and in **Drawing J32-6134-PS-002** attached in [Appendix C](#).

**Figure 3.3 : Swept Path Analysis – Waste Collection Vehicle (Existing Access Junction)**



- 3.2.6 The proposed footway provision connects with the existing footway along the eastern side of the access road. The proposed pedestrian infrastructure includes two new crossings on the access road and at the children's nursery entrance. The proposed crossing will comprise dropped kerbs and tactile paving.

### 3.3 Parking Provision

- 3.3.1 As shown in [Figure 3.1](#), the development proposals include two off-street parking spaces per dwelling. The majority of the proposed parking spaces are a minimum of 3m x 6m, with the exception of Plots 12, 13 and 14, although this is considered acceptable given the adjacent walkway (Plot 14) and location within a small courtyard area off the highway (Plot 12 and Plot 13).
- 3.3.2 In accordance with MCC '*Residential Quality Guidance*' document, each dwelling will be provided with a secure cycle store in the garden, as shown in [Figure 3.1](#).

## 4. Sustainable Accessibility

### 4.1 Introduction

- 4.1.1 Current Government policy and guidance places significant emphasis on the promotion of sustainable transport modes for all new developments. This forms part of a long-term strategy to reduce the reliance on private car trips.
- 4.1.2 The National Planning Policy Framework (NPPF) sets out the Government's planning policies for England and outlines the important role that transport policies have to play in facilitating sustainable development. Paragraph 105 states that *"significant development should be focused on locations which are or can be made sustainable, through limiting the need to travel and offering a genuine choice of transport modes. This can help to reduce congestion and emissions and improve air quality and public health."*
- 4.1.3 This chapter considers accessibility via sustainable modes of transport to the proposed development site, including access by public transport, cycle and on foot.

### 4.2 Pedestrian Accessibility

- 4.2.1 Guideline walking distances provided in the Chartered Institution of Highways and Transportation (CIHT) document 'Guidelines for Providing for Journeys on Foot (2000)', are shown in [Table 4.1](#).

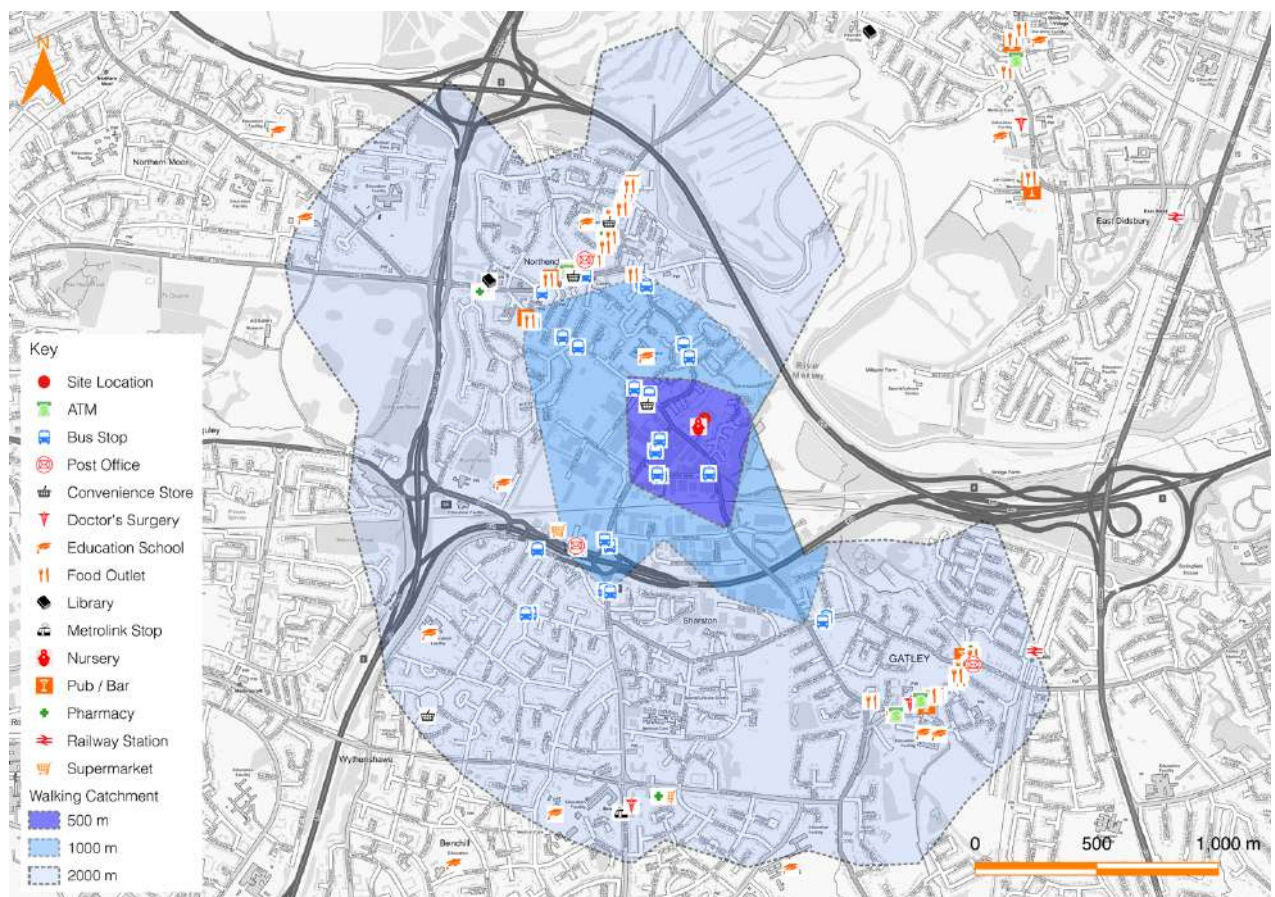
**Table 4.1 : CIHT Guideline Acceptable Walking Distances**

| Criteria          | Town Centre | Commuting | Elsewhere |
|-------------------|-------------|-----------|-----------|
| Desirable         | 200m        | 500m      | 400m      |
| Acceptable        | 400m        | 1,000m    | 800m      |
| Preferred Maximum | 800m        | 2,000m    | 1,200m    |

- 4.2.2 The CIHT guidelines shown in [Table 4.1](#) suggest that for commuting purposes up to 500m is a desirable walking distance, up to 1,000m is considered an acceptable walking distance and 2,000m is the preferred maximum walking distance.
- 4.2.3 MCC's '*Residential Quality Guidance*' follows a similar approach to walking distances from proposed residential development, stating that '*residential development should be within an easy walking distance (400m) of a range of day-to-day destinations, which might include: local shops; community facilities; sports facilities; playgrounds; parks and spaces*'.

- 4.2.4 Appropriate walking distances are dependent upon the location of the specific development; more remote locations will see people being prepared to walk further to their end destination. Similarly, appropriate walking distances are also dependent upon the standard of existing pedestrian infrastructure provision, with further walking distances achievable in locations with extensive and high-quality pedestrian footways, crossings and pedestrianised areas.
- 4.2.5 As described previously, there are existing good quality footways and crossing infrastructure available on the local highway network, providing pedestrian links to local amenities and public transport services.
- 4.2.6 **Figure 4.1** presents the local amenities and 500m, 1,000m and 2,000m walking catchments from the site, as specified in CIHT guidance.

**Figure 4.1 : Local Amenities Catchment Plan**



- 4.2.7 As shown in **Figure 4.1**, the site is located within a 500m catchment of a children's nursery, convenience store and public transport services.
- 4.2.8 In accordance with MCC and CIHT guidance, there are bus stops located within approximately 400m (5-minute walk) of the site.

4.2.9 Based on the site's location, proximity to local public transport services and local amenities, and connectivity to local footways, walking can be considered to be a realistic method of travel for commuting and shopping trips, particularly as an alternative to private car trips, thereby demonstrating the site's sustainable accessibility in walking terms.

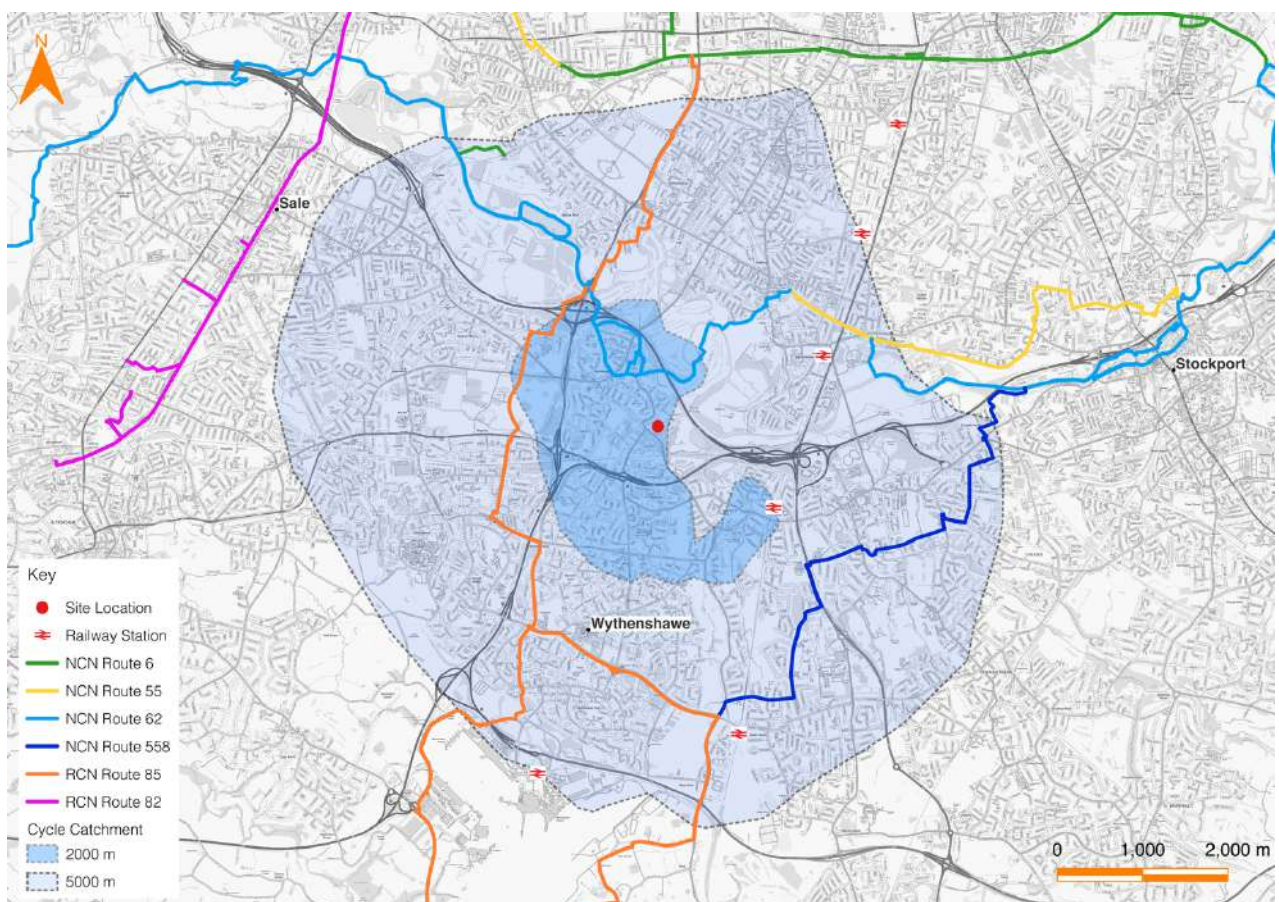
### 4.3 Cycle Accessibility

4.3.1 As with pedestrian accessibility, the level of a site's cycle accessibility depends upon a combination of the distance from local amenities and the standard of existing cycle infrastructure. It should, however, be noted that that cycle infrastructure can include facilities shared with vehicles and pedestrians as well as dedicated cycle infrastructure.

4.3.2 In respect of acceptable cycle distances, 'Local Transport Note 1/20: Cycle Infrastructure Design', published by DfT, states that *'two out of every three personal trips are less than five miles in length - which is an achievable distance to cycle for most people'*.

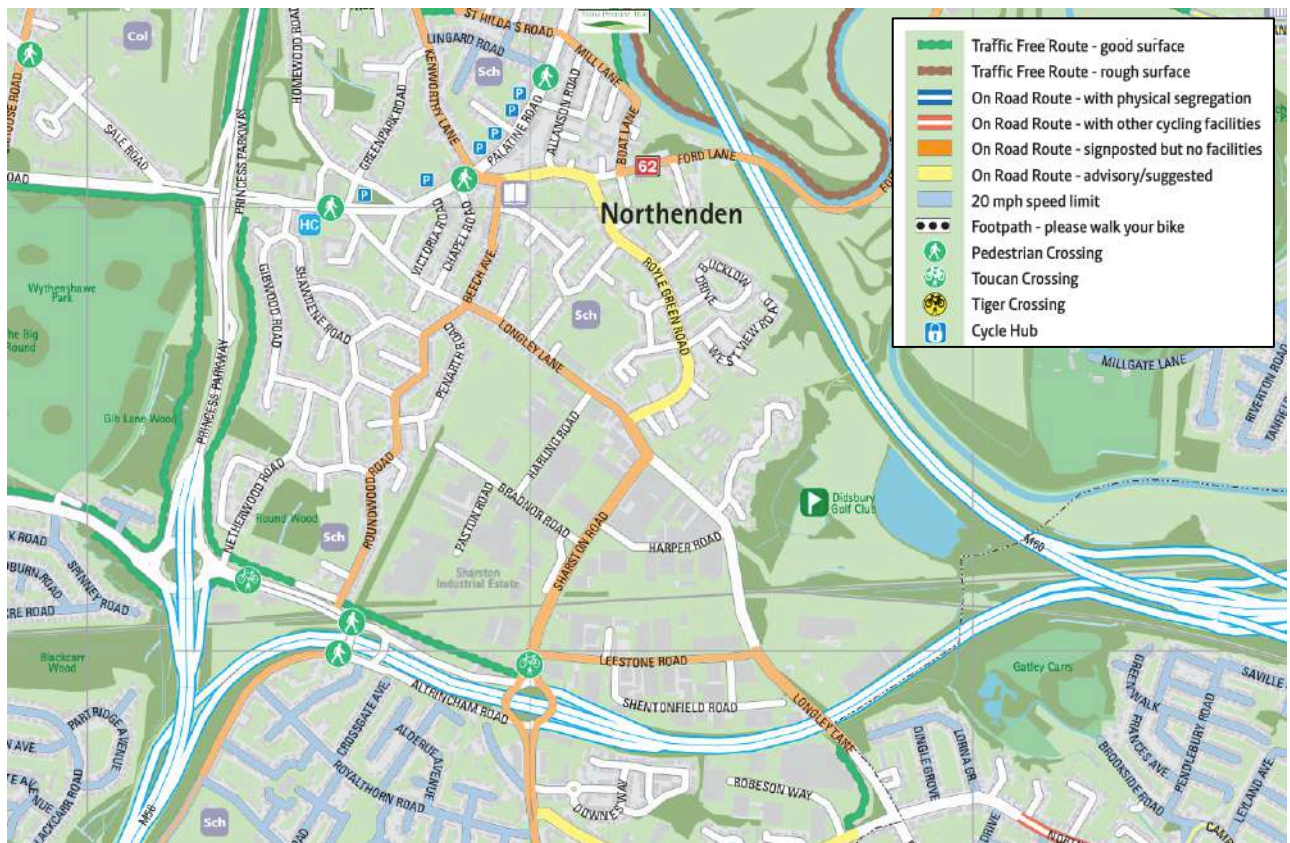
4.3.3 Figure 4.2 presents the cycling catchment area around the proposed development site for 2km and 5km.

Figure 4.2 : Cycle Catchment Plan



- 4.3.4 As shown in Figure 4.2, Route 62 of the National Cycle Network (NCN) is accessible from the site and passes through Northenden to the north.
- 4.3.5 In addition to the NCN cycle routes, there are further cycle routes available on the local highway network, including traffic free routes, signposted routes and advisory routes. The local cycle routes and infrastructure are shown in Figure 4.3.

**Figure 4.3 : Local Cycle Routes and Infrastructure (source: TfGM)**



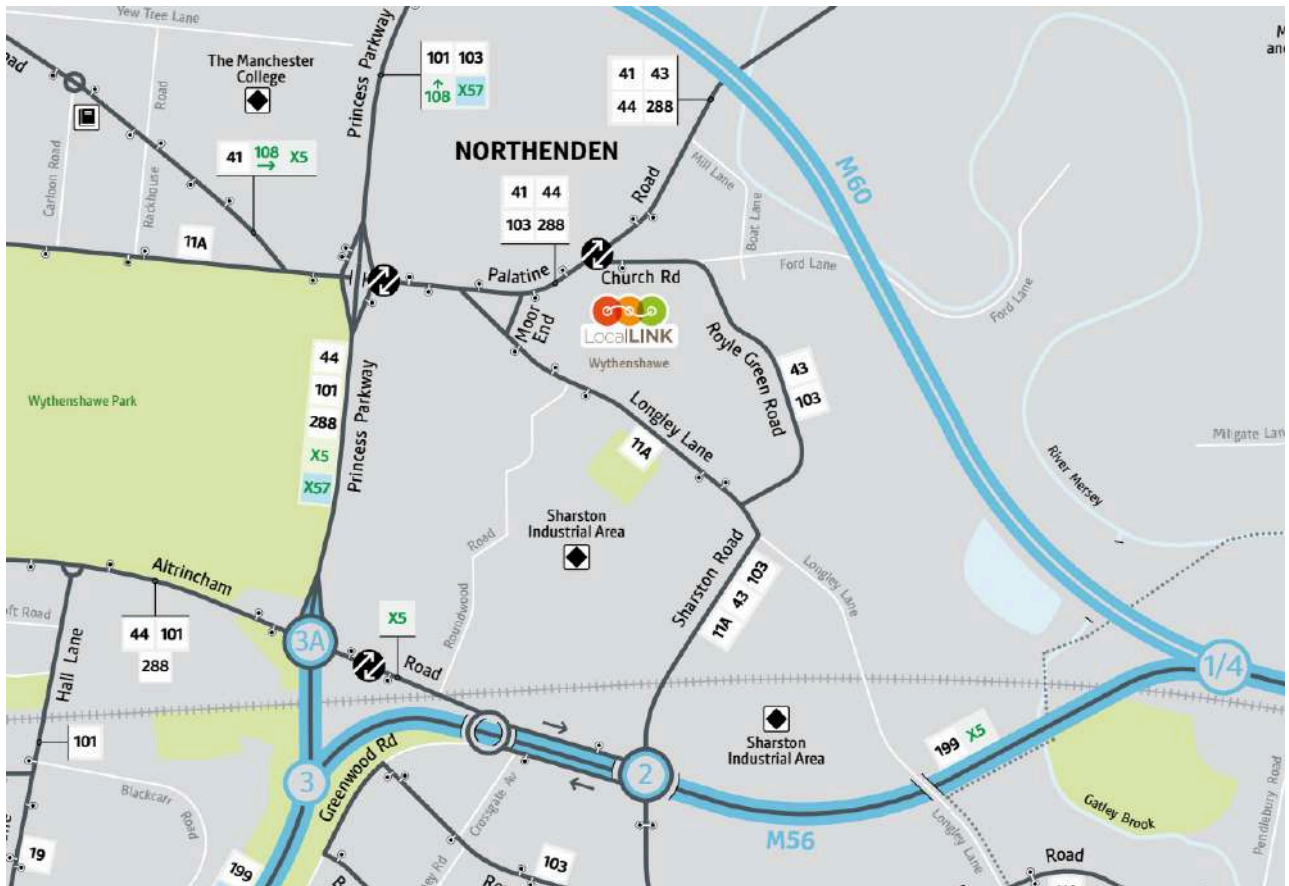
- 4.3.6 The range of accessible national/ local cycle routes and infrastructure, together with the availability of cycling destinations, demonstrates the site's sustainable accessibility in cycling terms, particularly as an alternative to private cars trips for commuting and shopping/leisure trips.

## 4.4 Public Transport

- 4.4.1 The CIHT guidance document '*Buses in Urban Development (2018)*' recommends a maximum walking distance in urban areas of up to 300m to bus stops located on '*less frequent routes*'. A walking distance of 300m is equivalent to a 4-minute walk based on a 1.4 metres per second walking speed.
- 4.4.2 MCC's '*Residential Quality Guidance*' follows a similar approach to the accessibility of sustainable travel at proposed residential development, stating that '*a good rule of thumb is for development to be no more than 400m from an existing bus or tram stop, measured along safe, obvious and desirable walking routes*'.

4.4.3 Figure 4.4 shows the local bus services operating in the vicinity of the site, accessible from bus stops located on the local highway network.

**Figure 4.4 : Local Bus Services** (source: TfGM)



4.4.4 As shown in Figure 4.4, bus services 11A, 43 and 103 operate along Sharston Road and are accessible from bus stops located approximately 300m (4-minute walk) from the site.

4.4.5 Table 4.3 provides a summary of routes and times of local bus services accessible from Sharston Road, with full timetables attached in Appendix D.

**Table 4.3: Local Bus Services accessible from Sharston Road**

| Service No | Route                                                         | Approx. Two-Way Frequency (buses/hour) |          |     |     |
|------------|---------------------------------------------------------------|----------------------------------------|----------|-----|-----|
|            |                                                               | AM/PM Peak                             | Off-Peak | Sat | Sun |
| 11A        | Altrincham – Northenden – Sharston – Cheadle – Stockport      | 2                                      | 2        | 2   | 1   |
| 43         | Manchester Airport – Wythenshawe – West Didsbury – Manchester | 6                                      | 6        | 6   | 2   |

| Service No | Route                                                                       | Approx. Two-Way Frequency (buses/hour) |          |     |     |
|------------|-----------------------------------------------------------------------------|----------------------------------------|----------|-----|-----|
|            |                                                                             | AM/PM Peak                             | Off-Peak | Sat | Sun |
| 103        | Manchester Airport – Peel Hall –<br>Wythenshawe – Moss Side –<br>Manchester | 2                                      | 2        | 2   | 1   |

4.4.6 Table 4.3 shows that there are frequent bus services accessible from the site, providing services to a range of local destinations during the day throughout the week, including services to Manchester, West Didsbury, Altrincham and Stockport.

4.4.7 In accordance with CIHT and MCC guidance, the range and accessibility of local bus routes serving a range of local destinations demonstrates the site's sustainable accessibility by bus, particularly as an alternative to private cars trips for commuting and shopping/leisure trips.

## 4.5 Summary

4.5.1 In summary, it has been shown that the site benefits for excellent levels of accessibility by sustainable modes of travel, including walking, cycling and public transport – thereby offering a realistic alternative to single occupancy car trips. This including the following:

- Existing footways are available on the local highway network, providing safe walking routes to local amenities and public transport provision;
- Bus stops, located within approximately 300m (4-minute walk), and local shops within a short walk of the site;
- Access to an extensive network of local, regional and national cycle routes, providing designated routes to a wide range of other local destinations; and
- Regular bus services providing bus routes to a range of local destinations, including Manchester, West Didsbury, Altrincham and Stockport.

4.5.2 The site is therefore compliant with the National Planning Policy Framework (NPPF) which states in paragraph 110 that: *'in assessing sites that may be allocated for development in plans, or specific application for development, it should be ensured that: a) appropriate opportunities to promote sustainable transport modes can be – or have been – taken up, given the type of development and its location'.*

4.5.3 Furthermore, the proposals accord with paragraph 112 of the NPPF which states that *'applications for development should: a) give priority first to pedestrian and cycle movements, both within the scheme and with neighbouring areas; and second – so far as possible – to facilitating access to high quality public transport'.*

## 5. Trip Generation

### 5.1 Introduction

- 5.1.1 In order to quantify the traffic impact of the development on the local highway network, a trip generation exercise has been undertaken for the proposed residential use. Trip rates have been derived from the TRICS database using the '*Residential – Houses Privately Owned*' category.
- 5.1.2 In line with the 'TRICS Good Practice Guide 2021', no surveys were excluded on the basis of geographical region. A recent study undertaken by TRICS revealed that there is a significantly higher correlation between location type and vehicular trip rates than there is between region and vehicular trip rates.
- 5.1.3 The guidance therefore recommends that regional selection should not be a major consideration when applying trip rate calculation filtering criteria. The guidance also indicates that location type is one of the most influential factors in terms of trip generation, and therefore should be one of the main filtering considerations.
- 5.1.4 In order to establish representative trips rates, only the '*Edge of Town*' location type was selected.
- 5.1.5 The TRICS trip rates have been approved by MCC Highways during scoping discussions.

### 5.2 Trip Generation

- 5.2.1 The trip rates and estimated trip generation during the weekday AM and PM peak hour are shown in [Table 5.1](#), with the full TRICS outputs attached in [Appendix E](#).

**Table 5.1 : TRICS Weekday Trip Rates (per dwelling) – Vehicles**

| Land Use                                    | AM Peak Hour (8-9AM) |        |       | PM Peak Hour (5-6PM) |        |       |
|---------------------------------------------|----------------------|--------|-------|----------------------|--------|-------|
|                                             | Arrive               | Depart | Total | Arrive               | Depart | Total |
| 'Houses - Privately Owned' TRICS Trip Rates | 0.172                | 0.387  | 0.559 | 0.357                | 0.187  | 0.544 |
| Proposed Development Trips (20 dwellings)   | 3                    | 8      | 11    | 7                    | 4      | 11    |

- 5.2.2 As shown in [Table 5.1](#), the proposed residential development will generate **11** two-way trips during the AM and **11** two-way trips during the PM peak hour.

5.2.3 It should be noted that the trip generation has not considered the existing permitted use at Oakwood Lodge, which, although currently vacant, would have generated trips during both peak periods, therefore reducing the net traffic impact of the residential development proposals on the local highway network.

### 5.3 Summary

5.3.1 In summary, the proposed residential use is expected to generate a low number of vehicular movements during both the AM and PM peak hours, equivalent to 1 trip every 5 to 6 minutes. It can therefore be reasonably concluded that the proposed development will have negligible traffic impact on the local highway network.

5.3.2 Although currently vacant, the existing permitted use at Oakwood Lodge would have generated trips during both peak periods, which would reduce the net traffic impact of the residential development proposals on the local highway network.

5.3.3 Therefore, overall, the analysis shows that the proposed development will not have a severe impact on the local highway network, which is the threshold stated by NFFP (paragraph 111) under which development should not be refused on highways grounds.

## 6. Travel Plan

### 6.1 Travel Plan Measures and Initiatives

6.1.1 Based on DfT guidance, the proposed scale of development does not trigger the requirement for a Travel Plan; however, a range of travel plan measures and initiatives could be implemented at the site to reduce single occupancy car use and encourage residents to travel sustainably.

6.1.2 Potential travel plan measures and initiatives which could be undertaken by the developer include:

- Cycle Parking – the Applicant will provide secure cycle parking provision for each dwelling, which is equivalent 100% cycle parking provision;
- Residents Welcome Pack – promote walking and cycling to residents as well as encourage use of the local public transport services, by providing transport information in a Residents' Welcome Pack;
- Bike Lease Schemes – the provide information about local Bike Lease Schemes within the Residents Welcome Pack;
- Car Club, Car Share and Car Rental – provide information to residents within the Welcome Pack about local car clubs, car share schemes and car rental companies; and
- Monitoring – undertake travel surveys to monitor the travel behaviour of residents.

6.1.3 In accordance with national and local policy and guidance, the above Travel Plan measures and initiatives would promote sustainable travel at the site and reduce single occupancy car use.

## 7. Summary and Conclusion

### 7.1 Summary

- 7.1.1 Mode Transport Planning has been appointed by Wythenshawe Community Housing Group to provide transport planning and highways advice in relation to a planning application for a residential development at the Oakwood Lodge Day Care Centre on Longley Road in Wythenshawe, Manchester.
- 7.1.2 The proposed development comprises 20no. (2-bedroom and 3-bedroom) dwellings, with vehicular access via the existing access road off Longley Lane. The proposed development includes footway provision, on-site car parking, cycle parking and outside communal space.
- 7.1.3 The existing Oakwood Lodge building on the site will be demolished as part of this development.
- 7.1.4 The analysis in this Transport Statement has been carried in accordance with current policy and guidance and following scoping discussions with MCC Highways. The results of the analysis within this report demonstrates that:
- In accordance with local and national policy, the site is accessible by a range of sustainable modes of transport, including walking, cycling, bus services, providing a realistic alternative to car travel, particular for commuting and amenity trips;
  - Following a review of the most recent personal injury collision records, there is no evidence to show the proposed development will have a detrimental impact on highway safety;
  - The proposed development will provide two off-street car parking spaces per dwelling. The scheme also includes 100% cycle parking provision, provided at a secure and sheltered location, in accordance with MCC guidance;
  - Waste collection vehicles can access the site in accordance with BS:5906 and Manual for Streets;
  - Based on agreed trip rates, the proposed residential use is expected to generate 11 two-way trips during the AM and 11 two-way trips during the PM peak hours, equivalent to 1 trip every 5 to 6 minutes. Considering the low number of trips generated, and existing consented use at the site, the proposed development will have a negligible traffic impact on the local highway network; and
  - Although a full Travel Plan is not required, in order to reduce single occupancy car journeys and encourage sustainable travel, a range of travel plan measures and initiatives could be introduced.
  - Overall, it can be concluded that the proposed development will not have a severe impact on the local highway network, which is the threshold stated by NPPF (Paragraph 111) under which development should not be refused on highways grounds.

## 7.2 Conclusion

- 7.2.1 In conclusion, based on the evidence and analysis within this report, there should be no highways or transport planning reasons that prevents this planning application from being approved.

# APPENDICES

# APPENDIX A

MCC Highways Scoping Correspondence

**Subject:** RE: Oakwood Lodge, Wythenshawe  
**Date:** Wednesday, 6 October 2021 at 11:15:40 British Summer Time  
**From:** Laura Wareing  
**To:** Michael Anthony  
**CC:** Neil Bayliss-Rowe  
**Attachments:** image004.png, image005.jpg, image006.jpg, image007.jpg, image008.jpg, image009.jpg, image010.png, image011.png, image012.png, image013.png, image014.png, image015.png, image016.png, image017.png, image018.png, image019.png, image020.png, image021.png, image022.png, image023.png, image024.png, image025.png, image026.png, image027.png, image028.png, image029.png, image030.png, image031.png, image032.png

Morning Mike,

As promised please find Highways response to Oakwood Lodge Scoping Note below.

Context:

The residential development is anticipated to comprise of 20 dwellings (2-bedroom and 3-bedroom), with vehicular access via the existing access road off Longley Lane. The existing access will be shared with the Kids Start Nursey and Longmire Centre. The existing building on-site will be demolished.

Response:

- The existing and proposed site is accessed via the existing access road off Longley Lane. The access road is currently unadopted and MCC would not wish to adopt it following any required works. The responsibility for its maintenance would continue to rest with the landowner(s).
- The existing junction at Longley Road / access road appears to be constrained (approximately 4.8m). Swept path analysis should be submitted to show that a refuse vehicle can enter and exit the road in forward gear. The vehicle should be able to manoeuvre as such that vehicle wheels do not impinge onto the footway. For the avoidance of doubt Highways can only support a waste strategy proposal if the refuse vehicle is 11.5m.
- Highways are concerned that in its current form that site will be unable to accommodate refuse servicing to MCC's standards.
- It should be noted that Highways would accept the introduction of a passing place / loading bay within the site (i.e. area above no.19 / adjacent to the existing oak). Other acceptable refuse collection would be with the introduction of a collection point where residents are responsible for taking bins to/from the collection point. It should be ensured that any proposals meet MCC's GD04 Waste Storage and Collection Guidance for New Developments.
- The existing access at Longmire Lane in its current form does not meet MCC's adoptable standards and MCC would be unwilling to adopt it.
- New road will have a 5.5m carriageway and 2m footways. Although it meets MCC adoptable standards Highways will not wish to adopt it. The introduction of footways on both sides of the access road is welcomed by Highways.
- It is requested that dropped kerbs and tactile paving be installed at the crossing at the nursery car park access.
- It is requested that a crossing is installed within proximity of the nursery access on pedestrian safety grounds. The crossing should have dropped kerbs and tactile paving. It is also requested that a crossing be installed at the edge of the development site where the two proposed footways become one.
- It should be noted that all individual driveway parking spaces should be a minimum of 3.0m x 6.0m to ensure that vehicles / pedestrians do not impact on the highway.
- It is required, in line with MCC Residential Guidelines, that the provision of an Electrical Vehicle charging point (minimum 7kW) is made available.
- In line with MCC Residential Guidelines, secure and sheltered cycle parking provision should be made, within the curtilage of the site, at a provision of one-per-unit. The location of the cycle parking should be clearly marked on submitted plans.
- It is recommended that all fencing / railings adjacent to the adopted highway are visually permeable from a distance of 600mm upwards to ensure adequate visual permeability for child

- pedestrians.
- It should be ensured that all gated accesses provide inward opening gates to ensure they do not impact on the footway or highway.
  - A Construction Management Plan would be required. The Construction Management Plan should detail the phasing and quantification / classification of vehicular activity associated with planned construction. This should include commentary on types and frequency of vehicular demands together with evidence (including appropriate swept-path assessment) of satisfactory routing both within the site and on the adjacent highway. The document should also consider ongoing construction works and contractor parking in the locality.
  - It is also requested that a dilapidation survey is undertaken as part of the Construction Management Plan document. The survey should include photographs and commentary on the condition of carriageway / footways on construction vehicle routes surrounding the site.

TRICS Data:

- 'Houses Privately Owned' subcategory was used. It is assumed the development will comprise of privately owned dwellings.
- AM Network Peak (08:00-09:00) and PM Network Peak (17:00-18:00) vehicular trip rate for 20 dwellings is 11 two-way trips.
- The proposed trip rates are acceptable to Highways.
- The cumulative impact of the NHS building, Nursery and housing trips are not anticipated to be dissimilar than previous site trips.

Transport Statement Scope:

The proposed Transport Statement Scope if acceptable to Highways.

Please do not hesitate to contact me if I can assist any further.

Many thanks,

Laura

Laura Wareing, Assistant Engineer  
Mobile: 07563674512  
Highways Development Control  
Growth and Neighbourhoods Directorate

Email: [laura.wareing@manchester.gov.uk](mailto:laura.wareing@manchester.gov.uk)

Web: <http://www.manchester.gov.uk>

POSTAL ADDRESS: Manchester City Council, The Highways Service, PO Box 532, Town Hall, Manchester, M60 2LA



**\*\*PLEASE NOTE:** In light of the COVID-19 situation I am currently working from home - please bear with me in responding to your email.

---

**From:** Laura Wareing  
**Sent:** 04 October 2021 15:58  
**To:** 'Michael Anthony' <michaelanthony@modetransport.co.uk>  
**Subject:** RE: Oakwood Lodge, Wythenshawe

Hi Mike,

No worries! I can confirm that the TS scope is in the process of being reviewed and I aim to have a response to you by the end of the week.

Many thanks,

Laura

Laura Wareing, Assistant Engineer  
Highways Development Control  
Growth and Neighbourhoods Directorate

Email: [laura.wareing@manchester.gov.uk](mailto:laura.wareing@manchester.gov.uk)

Web: <http://www.manchester.gov.uk>

POSTAL ADDRESS: Manchester City Council, The Highways Service, PO Box 532, Town Hall, Manchester, M60 2LA



---

**\*\*PLEASE NOTE:** In light of the COVID-19 situation I am currently working from home - please bear with me in responding to your email.

---

**From:** Michael Anthony <michaelanthony@modetransport.co.uk>  
**Sent:** 04 October 2021 15:51  
**To:** Laura Wareing <Laura.Wareing@manchester.gov.uk>  
**Subject:** Re: Oakwood Lodge, Wythenshawe

Hi Laura,

Apologies, I forgot to mention this last week but have you had an opportunity to review the Transport Statement scope below – see email to Neil dated 21<sup>st</sup> September.

Kind regards,

Mike.

**Michael Anthony** MCIHT  
Associate

☐ 0161 464 9495

☐ 07841 572 743

☐ [michaelanthony@modetransport.co.uk](mailto:michaelanthony@modetransport.co.uk)

[www.modetransport.co.uk](http://www.modetransport.co.uk)

**mode transport planning**

106 Albert Mill, 10 Hulme Hall Road, Manchester, M15 4LY

keep up with mode:



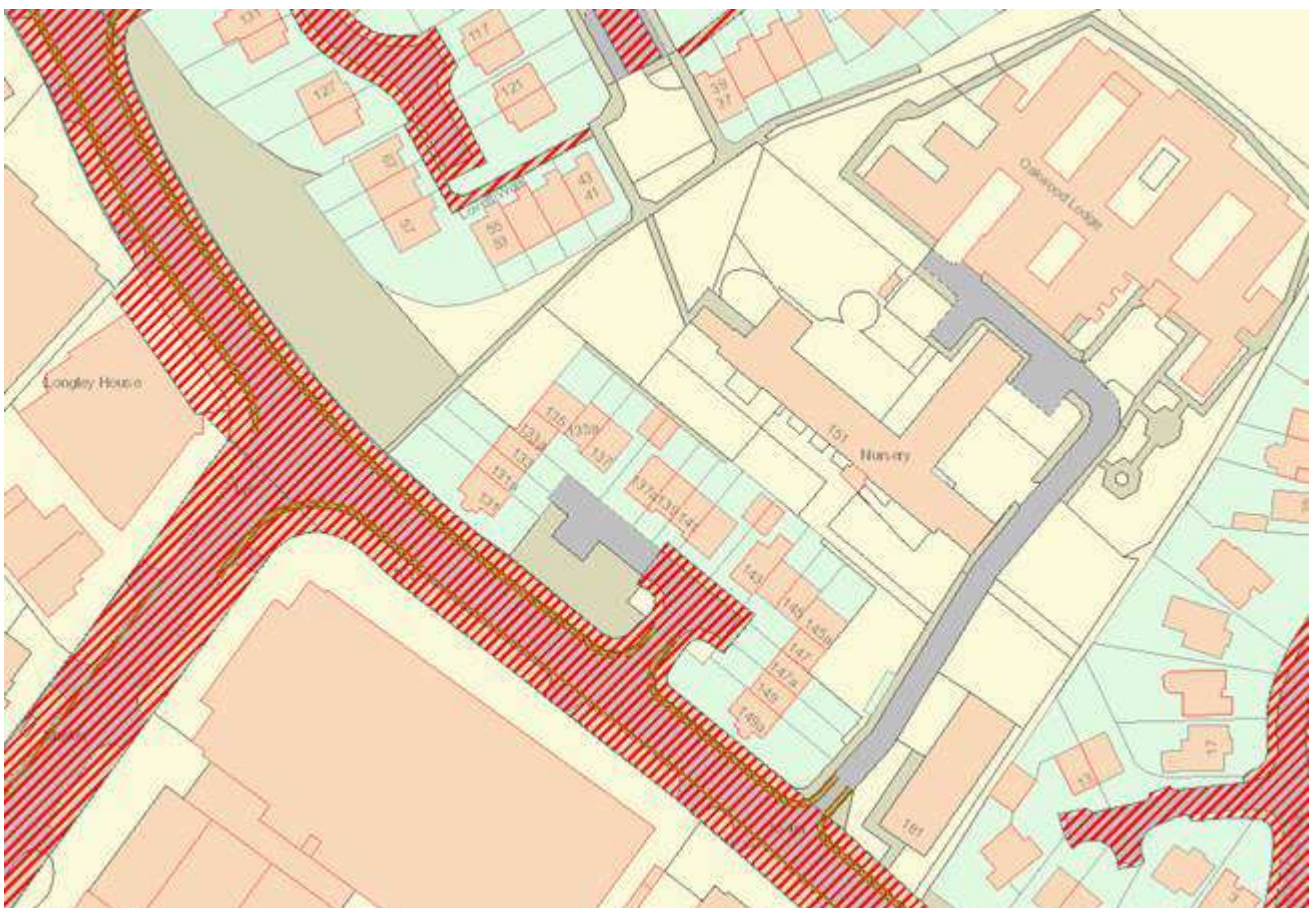
**From:** Michael Anthony <michaelanthony@modetransport.co.uk>  
**Date:** Thursday, 30 September 2021 at 16:02  
**To:** Laura Wareing <Laura.Wareing@manchester.gov.uk>  
**Subject:** Re: Oakwood Lodge, Wythenshawe

Thank you Laura.

**From:** Laura Wareing <Laura.Wareing@manchester.gov.uk>  
**Date:** Thursday, 30 September 2021 at 15:52  
**To:** Michael Anthony <michaelanthony@modetransport.co.uk>  
**Cc:** Mark Edwards <markedwards@modetransport.co.uk>, Neil Bayliss-Rowe <neil.bayliss-rowe@manchester.gov.uk>  
**Subject:** RE: Oakwood Lodge, Wythenshawe

Hi Mike,

I hope you are well. Please find the adoption plan for the area you have requested. The red hash denotes area of adopted highway.



For the same area please find the TRO plan. No Waiting at Any Time is in place at Longley Lane north-east and No Waiting Mon-Fri 8am-6pm is in place at Longley Lane south-west.



I have also attached these as images.

I hope this helps! If there is anything else I can assist with please do not hesitate to contact me.

Many thanks,

Laura

Laura Wareing, Assistant Engineer  
Mobile: 07563674512  
Highways Development Control  
Growth and Neighbourhoods Directorate

Email: [laura.wareing@manchester.gov.uk](mailto:laura.wareing@manchester.gov.uk)

Web: <http://www.manchester.gov.uk>

POSTAL ADDRESS: Manchester City Council, The Highways Service, PO Box 532, Town Hall, Manchester, M60 2LA



---

**\*\*PLEASE NOTE:** In light of the COVID-19 situation I am currently working from home - please bear with me in responding to your email.

---

**From:** Neil Bayliss-Rowe <[neil.bayliss-rowe@manchester.gov.uk](mailto:neil.bayliss-rowe@manchester.gov.uk)>

**Sent:** 30 September 2021 15:27

**To:** Laura Wareing <[Laura.Wareing@manchester.gov.uk](mailto:Laura.Wareing@manchester.gov.uk)>

**Subject:** Fw: Oakwood Lodge, Wythenshawe

Hi Laura,

Could you please provide Mike with an adoption & TRO plan for the area shown on the screenshot below.

Thanks,

Neil

Neil Bayliss-Rowe  
Highways Development Control & Flood Risk Manager  
Internal Tel: 801 31171  
External Tel: 0161 234 1171  
Mobile: 07971384537  
Email: [neil.bayliss-rowe@manchester.gov.uk](mailto:neil.bayliss-rowe@manchester.gov.uk)

Highways Service,  
Growth and Neighbourhoods Directorate  
Manchester City Council  
PO Box 532  
Town Hall  
Manchester  
M60 2LA  
Web: <http://www.manchester.gov.uk>

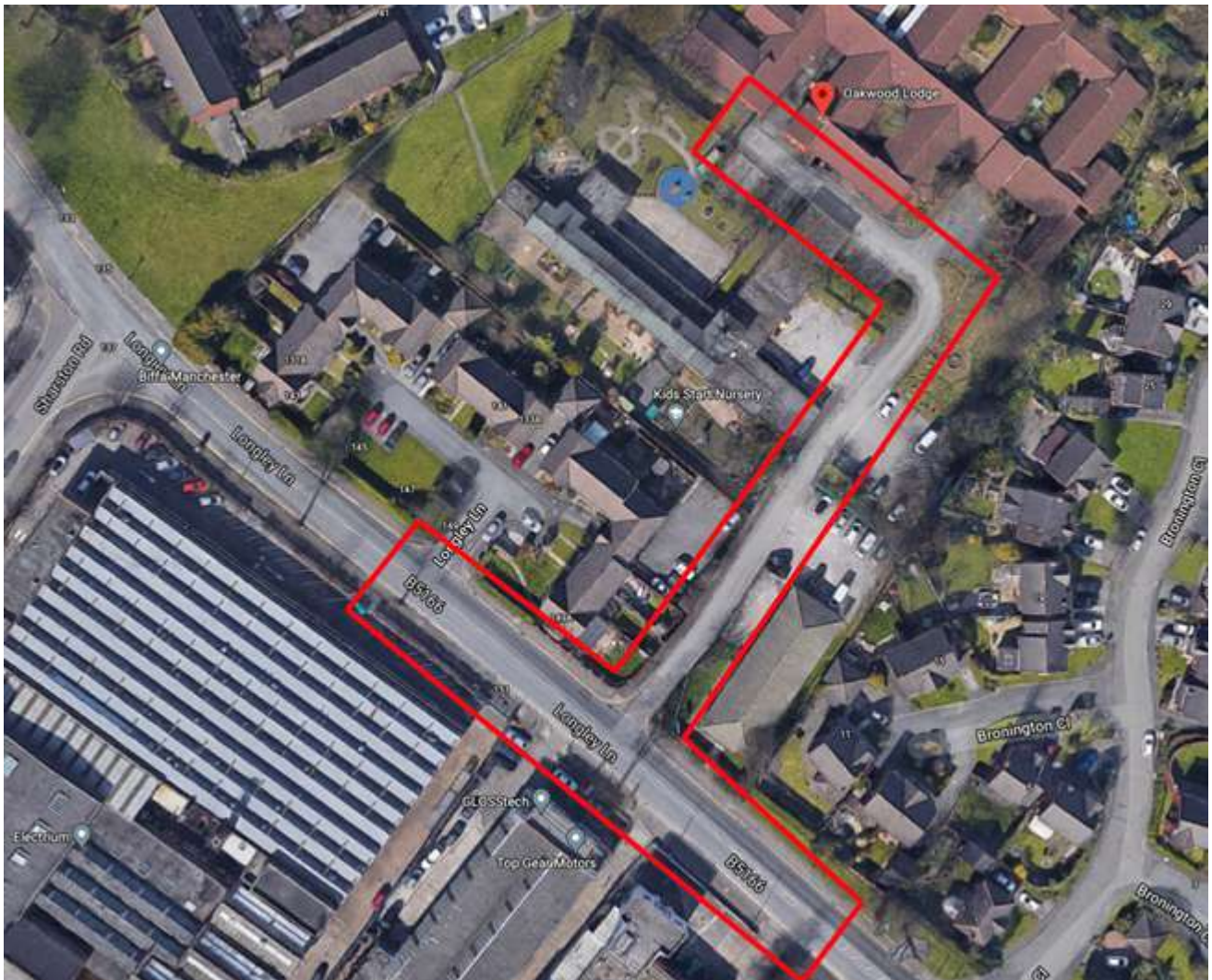
---

**From:** Michael Anthony <[michaelanthony@modetransport.co.uk](mailto:michaelanthony@modetransport.co.uk)>  
**Sent:** 29 September 2021 16:27  
**To:** Neil Bayliss-Rowe <[neil.bayliss-rowe@manchester.gov.uk](mailto:neil.bayliss-rowe@manchester.gov.uk)>  
**Cc:** Mark Edwards <[markedwards@modetransport.co.uk](mailto:markedwards@modetransport.co.uk)>  
**Subject:** Re: Oakwood Lodge, Wythenshawe

Hi Neil,

I hope your well?

Just wondering if you're able to help me out with some adopted highway information? Happy to apply through the website if there's any issues with this but thought I would ask first. The area needed is shown below:



Many thanks in advance.

Mike.

**Michael Anthony** MCIHT  
Associate

☎ 0161 464 9495

📠 07841 572 743

✉ [michaelanthony@modetransport.co.uk](mailto:michaelanthony@modetransport.co.uk)

[www.modetransport.co.uk](http://www.modetransport.co.uk)

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106 Albert Mill, 10 Hulme Hall Road, Manchester, M15 4LY

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---

**From:** Neil Bayliss-Rowe <[neil.bayliss-rowe@manchester.gov.uk](mailto:neil.bayliss-rowe@manchester.gov.uk)>

**Date:** Wednesday, 22 September 2021 at 11:55

**To:** Michael Anthony <[michaelanthony@modetransport.co.uk](mailto:michaelanthony@modetransport.co.uk)>

**Cc:** Mark Edwards <[markedwards@modetransport.co.uk](mailto:markedwards@modetransport.co.uk)>

**Subject:** Re: Oakwood Lodge, Wythenshawe

Hi Mike,

No problem, Laura Wareing will be leading on this application from DC and she'll provide comments back to you next week.

Thanks,

Neil

Neil Bayliss-Rowe  
Highways Development Control & Flood Risk Manager  
Internal Tel: 801 31171  
External Tel: 0161 234 1171  
Mobile: 07971384537  
Email: [neil.bayliss-rowe@manchester.gov.uk](mailto:neil.bayliss-rowe@manchester.gov.uk)

Highways Service,  
Growth and Neighbourhoods Directorate  
Manchester City Council  
PO Box 532  
Town Hall  
Manchester  
M60 2LA  
Web: <http://www.manchester.gov.uk>

---

**From:** Michael Anthony <[michaelanthony@modetransport.co.uk](mailto:michaelanthony@modetransport.co.uk)>  
**Sent:** 22 September 2021 10:53  
**To:** Neil Bayliss-Rowe <[neil.bayliss-rowe@manchester.gov.uk](mailto:neil.bayliss-rowe@manchester.gov.uk)>  
**Cc:** Mark Edwards <[markedwards@modetransport.co.uk](mailto:markedwards@modetransport.co.uk)>  
**Subject:** Re: Oakwood Lodge, Wythenshawe

Hi Neil,

Further to my email below, we have updated the TRICS data (see attached) to include multi-modal sites as this is required for the AQ assessment. This doesn't change the trip generation significantly or the proposed scope of assessment.

If you could confirm that the proposed approach and trip rates are acceptable it would be much appreciated.

Kind regards,

Mike.

**Michael Anthony** MCIHT  
Associate

☎ 0161 464 9495

📠 07841 572 743

✉ [michaelanthony@modetransport.co.uk](mailto:michaelanthony@modetransport.co.uk)

[www.modetransport.co.uk](http://www.modetransport.co.uk)

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---

**From:** Michael Anthony <[michaelanthony@modetransport.co.uk](mailto:michaelanthony@modetransport.co.uk)>  
**Date:** Tuesday, 21 September 2021 at 17:34  
**To:** Neil Bayliss-Rowe <[neil.bayliss-rowe@manchester.gov.uk](mailto:neil.bayliss-rowe@manchester.gov.uk)>  
**Cc:** Mark Edwards <[markedwards@modetransport.co.uk](mailto:markedwards@modetransport.co.uk)>  
**Subject:** Oakwood Lodge, Wythenshawe

Hi Neil,

Mode Transport Planning has been appointed to provide transport and highways advice to support a planning application for a residential development at the former Oakwood Lodge Community Resource Centre on Longley Lane in Manchester.

From the information provided, it is understood that the residential development proposals comprise 20 dwellings (2-bedroom and 3-bedroom), with vehicular access via the existing access road off Longley Lane. The access is shared with Kids Start Nursery and Longmire Centre. The existing building will be demolished. The proposed site layout drawing (still subject to change) is attached for reference.

It is our intention to produce a Transport Statement to accompany the application. I am emailing to confirm this approach and set out the scope of the Transport Statement for your approval, as summarised in the points below:

- **Existing conditions and accident data** – description of the site location and local highway network
- **Sustainable accessibility** – review of existing access opportunities to the site by walking, cycling and public transport;
- **Development proposals, parking and vehicular/ pedestrian access** – description of proposals, access arrangement and review of car/cycle parking in accordance with MCC standards;
- **Waste Collection** – review of waste collection arrangement with consideration to BS:5906 and MfS;
- **Trip Generation** – estimate trip generation during the AM and PM peak hours based on the attached trip rates derived from the TRICS database using the 'Residential – Houses Privately Owned' category.
- **Travel Plan Measures** – based on DfT guidance, the proposed scale of development does not trigger the requirement for a Travel Plan; however, a range of travel plan measures and initiatives will be detailed that could be implemented by the developer at the site to reduce single occupancy car use and encourage residents to travel sustainably.

It is not intended to undertake any junction capacity modelling as part of the assessment.

I would be grateful if you could provide confirmation that the proposed approach is acceptable. Should you have any queries regarding the scheme or the TS scope please let me know.

Kind regards,

Mike.

**Michael Anthony** MCIHT  
Associate



0161 464 9495



07841 572 743



[michaelanthony@modetransport.co.uk](mailto:michaelanthony@modetransport.co.uk)

[www.modetransport.co.uk](http://www.modetransport.co.uk)

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\*\*\*\*\*

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Your personal data is very important to us. Please refer to our privacy notice at [www.manchester.gov.uk/privacy](http://www.manchester.gov.uk/privacy) for further information.

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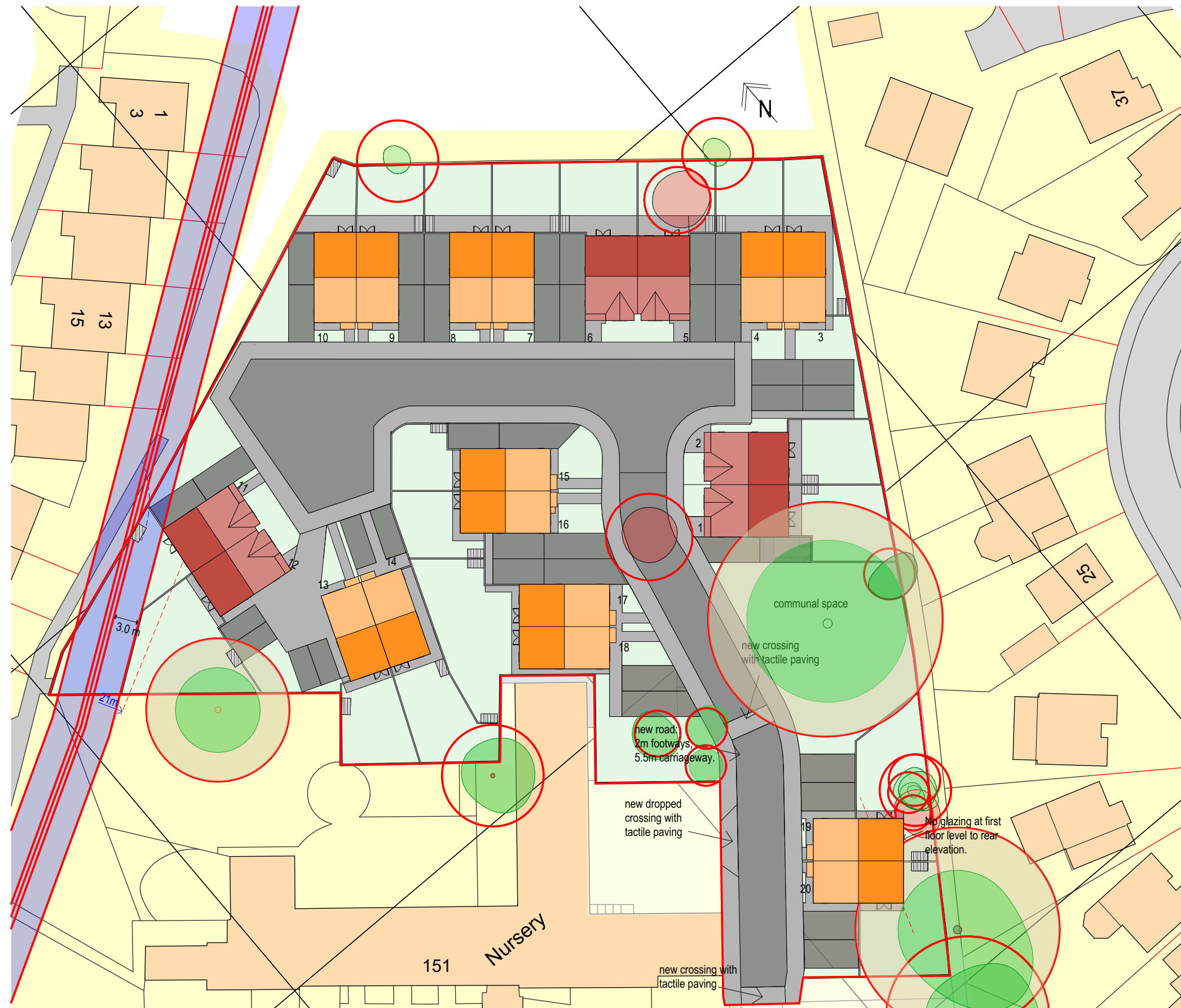
Your personal data is very important to us. Please refer to our privacy notice at [www.manchester.gov.uk/privacy](http://www.manchester.gov.uk/privacy) for further information.

This footnote also confirms that this email message has been swept for the presence of computer viruses.

\*\*\*\*\*

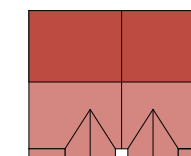
# APPENDIX B

Proposed Site Layout Drawing

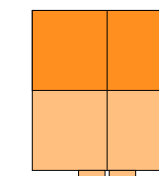


## Key

- root penetration zone to trees to be removed
- root penetration zone to trees to be retained
- trees to be retained
- trees to be removed
- 3.0 m easement zone from 1m dia drainage pipe
- Area overlapping root protection zone -pile foundations
- 1.8m high timber fence
- ▤ secure cycle storage



House Type One  
3b5p house @ 100m²  
6No



House Type Two and Three  
2b4p house @ 86m²  
14No

Rev. | | |

Client  
**WCHG**

Project  
**Oakwood Lodge**

Title  
**Proposed Site Plan**

| Scale  | Date       | Stage |       |
|--------|------------|-------|-------|
| 1:500  | 12.10.21   |       |       |
| Job No | Drawing No | Rev.  | Drawn |
| 5415   | P-01       | -     | SB    |



**Arcus Consulting LLP**  
 Manchester 0161 905 3222 Liverpool 0151 708 1080  
 Newcastle 0191 272 5781 London 020 8742 2512  
 Wakefield 0192 466 9000 www.arcus.uk.com

This document is copyright of Arcus Consulting LLP. Do not scale this drawing.  
 Only use figured dimensions. All dimensions to be checked on site prior to construction.

# APPENDIX C

Swept Path Analysis – Waste Collection Vehicle

Filename: C:\USERS\MANCHA\DROPBOX\MODE\PROJECT\MANCHESTER\2 PROJECTS\J326\J34\_OAKWOOD LODGE, WYTHENSHAW\5. GRAPHICS\2. CAD\2. SHEETS\J32-6134-PS-000 - REV ADWG  
Last saved by: MANCHESTER MODE    Last Plotted: 2021-10-26

Project Management Initials: Designer: LCW    Checked: MA    Approved: ME    ISO A3 297mm x 420mm



transport planning

t 0161 464 9495  
e info@modetransport.co.uk  
w www.modetransport.co.uk



|                               |         |
|-------------------------------|---------|
| Large Refuse Vehicle (4 axle) | 11.347m |
| Overall Length                | 2.500m  |
| Overall Width                 | 3.751m  |
| Overall Body Height           | 0.304m  |
| Min Body Ground Clearance     | 2.500m  |
| Track Width                   | 6.00s   |
| Lock to lock time             | 11.330m |
| Wall to Wall Turning Radius   |         |

- notes:
1. this drawing is to be read in conjunction with all other relevant drawings, any discrepancies, errors or omissions to be brought to the attention of overseeing organisation.
  2. all dimensions to be checked before commencement of work on site.
  3. all dimensions in metres unless otherwise stated.
  4. the design is subject to approval of manchester city council.
  5. drawing based on topographical survey.

| issue/revision |            |             |
|----------------|------------|-------------|
| -              | 26/10/2021 | issued      |
| l/r            | date       | description |

client: wythenshawe community housing group  
project: oakwood lodge, wythenshawe  
project number: J326134  
scale: 1:500@A3  
drawing title: swept path analysis  
drawing number: J32-6134-PS-001

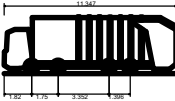
Filename: C:\USERS\MANCH\DROPBOX (MODE)\PROJECT\MANCHESTER\2 PROJECTS\J326\J34\_OAKWOOD LODGE, WYTHENSHAW\5. GRAPHICS\2. CAD\2. SHEETS\J32-6134-PS-000 - REV ADWG  
Last saved by: MANCHESTER MODE    Last Plotted: 2021-11-11

Project Management Initials:    Designer: LCW    Checked: MA    Approved: ME    ISO A3 297mm x 420mm



transport planning

t 0161 464 9495  
e info@modetransport.co.uk  
w www.modetransport.co.uk



|                               |         |
|-------------------------------|---------|
| Large Refuse Vehicle (4 axle) | 11.347m |
| Overall Length                | 2.500m  |
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| Lock to lock time             | 11.330m |
| Wall to Wall Turning Radius   |         |

- notes:
1. this drawing is to be read in conjunction with all other relevant drawings, any discrepancies, errors or omissions to be brought to the attention of overseeing organisation.
  2. all dimensions to be checked before commencement of work on site.
  3. all dimensions in metres unless otherwise stated.
  4. the design is subject to approval of manchester city council.
  5. drawing based on topographical survey.

| issue/revision |            |             |
|----------------|------------|-------------|
| -              | 11/11/2021 | issued      |
| l/r            | date       | description |

client: wythenshawe community housing group  
project: oakwood lodge, wythenshawe  
project number: J326134  
scale: 1:250@A3  
drawing title: swept path analysis  
drawing number: J32-6134-PS-002

# APPENDIX D

## Local Bus Timetables



---

From 29 August

**11A**

Route changed in Stockport town centre due to the temporary closure of Stockport Bus Station. Monday to Friday peak period times are also changed

---

Bus

**11A**



Easy access on all buses

---

Altrincham  
Timperley  
Baguley  
Northern Moor  
Northenden  
Sharston  
Gatley  
Cheadle  
Cheadle Heath  
Stockport

---

**From 29 August 2021**

---

For public transport information  
phone **0161 244 1000**

7am – 8pm Mon to Fri

8am – 8pm Sat, Sun & public holidays

---

This timetable is available online at  
[www.tfgm.com](http://www.tfgm.com)

---

Operated by  
**Stagecoach**

# Additional information

---

## Alternative format

To ask for leaflets to be sent to you, or to request large print, Braille or recorded information phone 0161 244 1000 or visit [www.tfgm.com](http://www.tfgm.com)

---

## Easy access on buses



Journeys run with low floor buses have no steps at the entrance, making getting on and off easier. Where shown, low floor buses have a ramp for access and a dedicated space for wheelchairs and pushchairs inside the bus. The bus operator will always try to provide easy access services where these services are scheduled to run.

---

## Using this timetable

Timetables show the direction of travel, bus numbers and the days of the week.

Main stops on the route are listed on the left. Where no time is shown against a particular stop, the bus does not stop there on that journey. Check any letters which are shown in the timetable against the key at the bottom of the page.

---

## Where to find information about service changes

[www.tfgm.com](http://www.tfgm.com)

Bus station posters

Leaflets from outlets.

---

## Tickets and information

Bus companies offer a range of tickets for use on their own buses. For travel on any service in the County, use System One tickets, including DaySaver. Travelshops provide tickets, information and journey planning advice on buses, trains and trams for work and pleasure.

---

## Using the 24 hour clock

Times are shown in four figures. The first two are the hour and the last two are the minutes.

0753 is 53 minutes past 7am

1953 is 53 minutes past 7pm



## Operator details

### Stagecoach

Head Office

Hyde Road

Ardwick

Manchester

M12 6JS

Telephone 0161 273 3377

---

## Travelshops

### Altrincham Interchange

Mon to Fri 6.40am to 8.20pm

Saturday 7.10am to 8.20pm

Sunday\* 9.20am to 4.50pm

### Stockport Mersey Square

Mon to Fri 7am to 5.30pm

Saturday 8am to 5.30pm

Sunday\* Closed

### Wythenshawe Interchange

Mon to Fri 7am to 5.30pm

Saturday 8.30am to 1.15pm and 2pm to 4pm

Sunday\* Closed

\*Including public holidays



## Saturdays

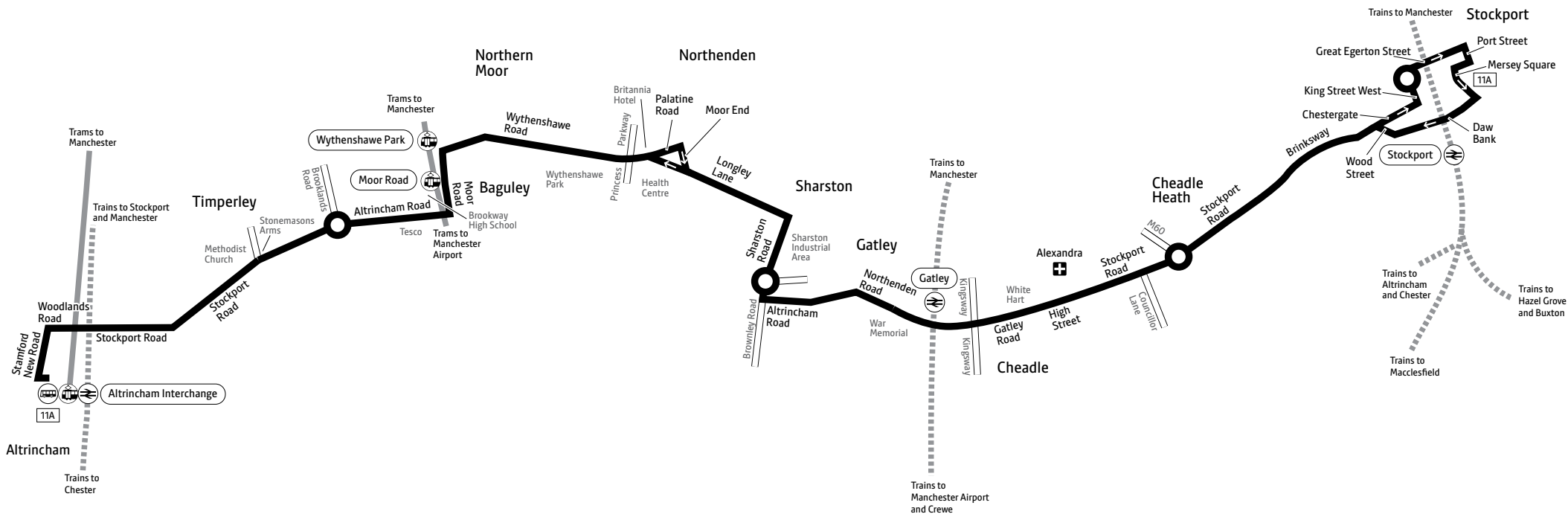
 – Journey provided with the financial support of Transport for Greater Manchester

 – All bus 11A journeys are run using easy access buses. See inside front cover of this leaflet for details

Continues after route plan

# 11A

- Key
- Bus route
  - Train line
  - Tram line
  - Direction of travel
  - Bus station/connection point
  - Train station
  - Metrolink stop
  - Hospital
  - 11A Terminus



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## Sundays and public holidays (except Christmas and New Year period)

|                               | 📅    | 📅          | 📅    |
|-------------------------------|------|------------|------|
| Altrincham, Interchange       |      | 1002       | 2302 |
| Timperley, Methodist Church   |      | 1008       | 2308 |
| Baguley, Brookway High School | 0915 | 1015 and   | 2315 |
| Northenden, Britannia Hotel   | 0922 | 1022 every | 2322 |
| Sharston, Brownley Road       | 0929 | 1029 hour  | 2329 |
| Gatley, War Memorial          | 0935 | 1035 until | 2335 |
| Cheadle, White Hart           | 0941 | 1041       | 2341 |
| Cheadle, Councillor Lane      | 0944 | 1044       | 2344 |
| Stockport, Mersey Square      | 0954 | 1054       | 2354 |

For details of buses during the Christmas and New Year period, please phone 0161 244 1000

📅 – Journey provided with the financial support of Transport for Greater Manchester

♿ – All bus 11A journeys are run using easy access buses. See inside front cover of this leaflet for details

## Mondays to Fridays

|                             |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |  |
|-----------------------------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|-------------------------------------------------------------------------------------|
| Stockport, Mersey Square    | 0558 | 0628 | 0658 | 0734 | 0813 | 0852 | 0927 |       | 1327 | 1407 | 1437 | 1507 | 1538 | 1624 | 1657 | 1735 | 1812 | 1907 | 1958                                                                                |
| Cheadle, Councillor Lane    | 0609 | 0640 | 0711 | 0748 | 0827 | 0906 | 0938 |       | 1338 | 1418 | 1448 | 1519 | 1552 | 1638 | 1711 | 1748 | 1824 | 1918 | 2008                                                                                |
| Cheadle, White Hart         | 0612 | 0643 | 0717 | 0754 | 0833 | 0911 | 0943 | and   | 1343 | 1423 | 1453 | 1525 | 1558 | 1644 | 1717 | 1753 | 1828 | 1921 | 2010                                                                                |
| Gatley, War Memorial        | 0617 | 0648 | 0722 | 0801 | 0840 | 0917 | 0948 | every | 1348 | 1428 | 1459 | 1533 | 1607 | 1653 | 1726 | 1800 | 1833 | 1925 | 2014                                                                                |
| Sharston, Brownley Road     | 0622 | 0653 | 0728 | 0807 | 0846 | 0922 | 0953 | 30    | 1353 | 1433 | 1505 | 1540 | 1614 | 1700 | 1733 | 1807 | 1839 | 1928 | 2018                                                                                |
| Northenden, Health Centre   | 0627 | 0659 | 0735 | 0814 | 0852 | 0928 | 0959 | mins  | 1359 | 1439 | 1511 | 1548 | 1623 | 1709 | 1742 | 1816 | 1847 | 1934 | 2023                                                                                |
| Baguley, Tesco              | 0635 | 0707 | 0745 | 0826 | 0903 | 0937 | 1007 | until | 1407 | 1447 | 1519 | 1556 | 1632 | 1718 | 1751 | 1825 | 1856 | 1940 | 2029                                                                                |
| Timperley, Methodist Church | 0640 | 0712 | 0750 | 0831 | 0908 | 0942 | 1012 |       | 1412 | 1452 | 1524 | 1601 | 1638 | 1724 | 1757 | 1831 | 1902 | 1944 | 2033                                                                                |
| Altrincham, Interchange     | 0647 | 0719 | 0800 | 0842 | 0917 | 0949 | 1019 |       | 1419 | 1459 | 1531 | 1610 | 1648 | 1734 | 1807 | 1840 | 1911 | 1950 | 2039                                                                                |

|                             |  |  |  |
|-----------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Stockport, Mersey Square    | 2058                                                                              | 2158                                                                              | 2258                                                                              |
| Cheadle, Councillor Lane    | 2108                                                                              | 2208                                                                              | 2308                                                                              |
| Cheadle, White Hart         | 2110                                                                              | 2210                                                                              | 2310                                                                              |
| Gatley, War Memorial        | 2114                                                                              | 2214                                                                              | 2314                                                                              |
| Sharston, Brownley Road     | 2118                                                                              | 2218                                                                              | 2318                                                                              |
| Northenden, Health Centre   | 2123                                                                              | 2223                                                                              | 2323                                                                              |
| Baguley, Tesco              | 2129                                                                              | 2229                                                                              | 2329                                                                              |
| Timperley, Methodist Church | 2133                                                                              | 2233                                                                              | 2333                                                                              |
| Altrincham, Interchange     | 2139                                                                              | 2239                                                                              | 2339                                                                              |

 – Journey provided with the financial support of Transport for Greater Manchester

 – All bus 11A journeys are run using easy access buses. See inside front cover of this leaflet for details

**Summer times:** between mid July and early September, some timetables will be different. Check [www.tfgm.com](http://www.tfgm.com) for details

## Saturdays

|                             | 0657 | 0707 | 0810 | 0857  | 1557 | 1627 | 1657 | 1758 | 1858 | 1958 | 2058 | 2158 | 2258 |
|-----------------------------|------|------|------|-------|------|------|------|------|------|------|------|------|------|
| Stockport, Mersey Square    | 0657 | 0707 | 0810 | 0857  | 1557 | 1627 | 1657 | 1758 | 1858 | 1958 | 2058 | 2158 | 2258 |
| Cheadle, Councillor Lane    | 0707 | 0807 | 0908 |       | 1608 | 1638 | 1708 | 1808 | 1908 | 2008 | 2108 | 2208 | 2308 |
| Cheadle, White Hart         | 0710 | 0810 | 0913 | and   | 1613 | 1643 | 1713 | 1810 | 1910 | 2010 | 2110 | 2210 | 2310 |
| Gatley, War Memorial        | 0714 | 0814 | 0918 | every | 1618 | 1648 | 1718 | 1814 | 1914 | 2014 | 2114 | 2214 | 2314 |
| Sharston, Brownley Road     | 0717 | 0817 | 0923 | 30    | 1623 | 1653 | 1723 | 1818 | 1918 | 2018 | 2118 | 2218 | 2318 |
| Northenden, Health Centre   | 0722 | 0822 | 0929 | mins  | 1629 | 1659 | 1729 | 1823 | 1923 | 2023 | 2123 | 2223 | 2323 |
| Baguley, Tesco              | 0728 | 0828 | 0937 | until | 1637 | 1706 | 1736 | 1829 | 1929 | 2029 | 2129 | 2229 | 2329 |
| Timperley, Methodist Church | 0732 | 0832 | 0942 |       | 1642 | 1711 | 1741 | 1833 | 1933 | 2033 | 2133 | 2233 | 2333 |
| Altrincham, Interchange     | 0738 | 0838 | 0949 |       | 1649 | 1718 | 1748 | 1839 | 1939 | 2039 | 2139 | 2239 | 2339 |

## Sundays and public holidays (except Christmas and New Year period)

|                             | 0905 | 2205       |
|-----------------------------|------|------------|
| Stockport, Mersey Square    | 0905 | 2205       |
| Cheadle, Councillor Lane    | 0915 | 2215       |
| Cheadle, White Hart         | 0918 | and 2218   |
| Gatley, War Memorial        | 0923 | every 2223 |
| Sharston, Brownley Road     | 0928 | hour 2228  |
| Northenden, Health Centre   | 0934 | until 2234 |
| Baguley, Tesco              | 0940 | 2240       |
| Timperley, Methodist Church | 0945 | 2245       |
| Altrincham, Interchange     | 0951 | 2251       |

For details of buses during the Christmas and New Year period, please phone 0161 244 1000

— Journey provided with the financial support of Transport for Greater Manchester

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From 5 September

**43**

Monday to Friday times are changed

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Bus

**43**



Easy access on all buses

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Manchester Airport  
Woodhouse Park  
Wythenshawe  
Benchill  
Northenden  
West Didsbury  
Withington  
Fallowfield  
Rusholme  
University of Manchester  
Manchester

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**From 5 September 2021**

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For public transport information  
phone **0161 244 1000**

7am – 8pm Mon to Fri

8am – 8pm Sat, Sun & public holidays

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This timetable is available online at  
[www.tfgm.com](http://www.tfgm.com)

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Operated by  
**Stagecoach**

# Additional information

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## Alternative format

To ask for leaflets to be sent to you, or to request large print, Braille or recorded information phone 0161 244 1000 or visit [www.tfgm.com](http://www.tfgm.com)

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## Easy access on buses



Journeys run with low floor buses have no steps at the entrance, making getting on and off easier. Where shown, low floor buses have a ramp for access and a dedicated space for wheelchairs and pushchairs inside the bus. The bus operator will always try to provide easy access services where these services are scheduled to run.

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## Using this timetable

Timetables show the direction of travel, bus numbers and the days of the week. Main stops on the route are listed on the left. Where no time is shown against a particular stop, the bus does not stop there on that journey. Check any letters which are shown in the timetable against the key at the bottom of the page.

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## Where to find information about service changes

[www.tfgm.com](http://www.tfgm.com)

Bus station posters

Leaflets from outlets.

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## Tickets and information

Bus companies offer a range of tickets for use on their own buses. For travel on any service in the County, use System One tickets, including DaySaver. Travelshops provide tickets, information and journey planning advice on buses, trains and trams for work and pleasure.

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## Using the 24 hour clock

Times are shown in four figures. The first two are the hour and the last two are the minutes.

0753 is 53 minutes past 7am

1953 is 53 minutes past 7pm



## Operator details

### Stagecoach

Head Office

Hyde Road

Ardwick

Manchester

M12 6JS

Telephone 0161 273 3377

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## Travelshops

### Manchester Shudehill Interchange

Mon to Sat 7am to 6pm

Sunday Closed

Public hols 10am to 1.45pm  
and 2.30pm to 5.30pm

### Wythenshawe Interchange

Mon to Fri 7am to 5.30pm

Saturday 8.30am to 1.15pm and 2pm to 4pm

Sunday\* Closed

\*Including public holidays

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# Manchester Airport — Wythenshawe — West Didsbury — Manchester

43

## Mondays to Fridays

|                                 | NM   | M    |      |       |      |      |      |      |      |      |      |      |            |            |      |      |      |      |      |
|---------------------------------|------|------|------|-------|------|------|------|------|------|------|------|------|------------|------------|------|------|------|------|------|
| Manchester Airport, Interchange | 0000 | 0006 | 0025 |       | 0425 | 0457 |      | 0523 |      | 0545 |      | 0600 |            | 0620       |      | 0636 |      | 0646 | 0656 |
| Wythenshawe, Interchange        | 0011 | 0017 | 0036 | and   | 0436 | 0508 | 0523 | 0534 | 0547 | 0556 | 0609 | 0613 | 0623       | 0633       | 0641 | 0649 | 0655 | 0700 | 0710 |
| Sharston, Altrincham Road       | 0019 | 0025 | 0044 | every | 0444 | 0517 | 0533 | 0543 | 0557 | 0605 | 0618 | 0623 | 0633       | 0643       | 0651 | 0659 | 0706 | 0712 | 0721 |
| West Didsbury, Central Road     | 0028 | 0034 | 0053 | 30    | 0453 | 0525 | 0540 | 0551 | 0606 | 0614 | 0627 | 0632 | 0642       | 0652       | 0700 | 0710 | 0718 | 0726 | 0735 |
| Rusholme, Platt Lane            | 0037 | 0043 | 0102 | mins  | 0502 | 0535 | 0549 | 0601 | 0615 | 0625 | 0637 | 0643 | 0653       | 0703       | 0713 | 0722 | 0731 | 0741 | 0750 |
| Manchester Royal Infirmary      | 0041 | 0047 | 0106 | until | 0506 | 0539 | 0553 | 0605 | 0619 | 0629 | 0641 | 0649 | 0659       | 0709       | 0719 | 0728 | 0737 | 0747 | 0756 |
| Manchester, Piccadilly Gardens  | 0050 | 0053 | 0115 |       | 0515 | 0549 | 0601 | 0615 | 0627 | 0639 | 0651 | 0703 | 0713       | 0723       | 0733 | 0743 | 0753 | 0802 | 0811 |
| Manchester Airport, Interchange | 0706 | 0716 | 0726 | 0735  | 0745 | 0753 | 0805 | 0818 | 0834 | 0850 | 0903 | 0914 | and at     |            | 1344 | 1354 | 1404 | 1414 | 1424 |
| Wythenshawe, Interchange        | 0720 | 0730 | 0740 | 0750  | 0800 | 0808 | 0820 | 0833 | 0849 | 0905 | 0918 | 0928 | frequent   |            | 1358 | 1408 | 1418 | 1428 | 1438 |
| Sharston, Altrincham Road       | 0731 | 0741 | 0752 | 0802  | 0812 | 0820 | 0832 | 0845 | 0901 | 0917 | 0930 | 0940 | intervals  |            | 1410 | 1420 | 1430 | 1440 | 1450 |
| West Didsbury, Central Road     | 0745 | 0752 | 0810 | 0820  | 0830 | 0838 | 0850 | 0904 | 0917 | 0931 | 0941 | 0951 | of not     |            | 1421 | 1431 | 1441 | 1451 | 1501 |
| Rusholme, Platt Lane            | 0800 | 0810 | 0825 | 0835  | 0845 | 0853 | 0905 | 0918 | 0930 | 0944 | 0954 | 1004 | more than  |            | 1434 | 1444 | 1454 | 1504 | 1514 |
| Manchester Royal Infirmary      | 0806 | 0816 | 0832 | 0842  | 0852 | 0900 | 0911 | 0924 | 0935 | 0950 | 1000 | 1010 | 10 minutes |            | 1440 | 1450 | 1501 | 1511 | 1521 |
| Manchester, Piccadilly Gardens  | 0822 | 0831 | 0848 | 0858  | 0908 | 0916 | 0926 | 0939 | 0950 | 1003 | 1013 | 1023 | until      |            | 1453 | 1505 | 1516 | 1525 | 1536 |
| Manchester Airport, Interchange | 1434 | 1445 | 1455 | 1505  | 1515 | 1526 | 1536 | 1546 | 1556 | 1607 | 1618 | 1629 | 1640       | and at     |      | 1730 | 1741 | 1753 | 1806 |
| Wythenshawe, Interchange        | 1448 | 1500 | 1510 | 1520  | 1530 | 1541 | 1551 | 1601 | 1611 | 1622 | 1633 | 1644 | 1655       | frequent   |      | 1745 | 1756 | 1808 | 1821 |
| Sharston, Altrincham Road       | 1500 | 1512 | 1522 | 1532  | 1542 | 1553 | 1603 | 1613 | 1623 | 1634 | 1645 | 1656 | 1707       | intervals  |      | 1757 | 1808 | 1820 | 1833 |
| West Didsbury, Central Road     | 1511 | 1524 | 1534 | 1544  | 1555 | 1606 | 1616 | 1626 | 1636 | 1647 | 1658 | 1709 | 1720       | of not     |      | 1810 | 1820 | 1831 | 1844 |
| Rusholme, Platt Lane            | 1525 | 1539 | 1549 | 1559  | 1610 | 1621 | 1631 | 1641 | 1651 | 1702 | 1713 | 1724 | 1735       | more than  |      | 1825 | 1835 | 1844 | 1857 |
| Manchester Royal Infirmary      | 1532 | 1546 | 1556 | 1606  | 1617 | 1628 | 1638 | 1648 | 1658 | 1709 | 1720 | 1731 | 1742       | 10 minutes |      | 1831 | 1840 | 1849 | 1902 |
| Manchester, Piccadilly Gardens  | 1547 | 1601 | 1611 | 1621  | 1633 | 1644 | 1654 | 1704 | 1714 | 1725 | 1736 | 1747 | 1758       | until      |      | 1847 | 1855 | 1903 | 1915 |
| Manchester Airport, Interchange | 1820 | 1832 | 1849 | 1907  | 1924 | 1941 | 2011 | 2041 | 2111 | 2141 | 2211 | 2241 | 2306       | 2331       |      |      |      |      |      |
| Wythenshawe, Interchange        | 1834 | 1846 | 1900 | 1918  | 1935 | 1952 | 2022 | 2052 | 2122 | 2152 | 2222 | 2252 | 2317       | 2342       |      |      |      |      |      |
| Sharston, Altrincham Road       | 1846 | 1857 | 1910 | 1928  | 1945 | 2002 | 2032 | 2102 | 2132 | 2202 | 2232 | 2302 | 2327       | 2351       |      |      |      |      |      |
| West Didsbury, Central Road     | 1857 | 1907 | 1919 | 1937  | 1954 | 2011 | 2041 | 2111 | 2141 | 2211 | 2241 | 2311 | 2336       | 0000       |      |      |      |      |      |
| Rusholme, Platt Lane            | 1908 | 1918 | 1930 | 1948  | 2005 | 2022 | 2052 | 2122 | 2152 | 2222 | 2251 | 2321 | 2346       | 0009       |      |      |      |      |      |
| Manchester Royal Infirmary      | 1913 | 1923 | 1935 | 1953  | 2010 | 2027 | 2057 | 2127 | 2157 | 2227 | 2256 | 2326 | 2351       | 0013       |      |      |      |      |      |
| Manchester, Piccadilly Gardens  | 1926 | 1936 | 1946 | 2004  | 2021 | 2038 | 2108 | 2138 | 2208 | 2238 | 2307 | 2337 | 0002       | 0022       |      |      |      |      |      |

M – Mondays only. NM – Not Mondays

♿ – All bus 43 journeys are run using easy access buses. See inside front cover of this leaflet for detail

**Summer times:** between mid July and early September, some timetables will be different. Check [www.tfgm.com](http://www.tfgm.com) for details

## Saturdays

|                                 |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------------------------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Manchester Airport, Interchange | 0000 | 0025 |       | 0425 | 0507 | 0537 | 0607 | 0637 | 0707 | 0737 | 0755 |      | 0824 | 0839 |      | 0905 | 0918 |      | 0934 |
| Wythenshawe, Interchange        | 0011 | 0036 | and   | 0436 | 0517 | 0547 | 0617 | 0647 | 0717 | 0747 | 0805 | 0819 | 0834 | 0849 | 0902 | 0915 | 0928 | 0938 | 0948 |
| Sharston, Altrincham Road       | 0019 | 0044 | every | 0444 | 0526 | 0556 | 0626 | 0656 | 0726 | 0756 | 0814 | 0827 | 0843 | 0858 | 0910 | 0924 | 0937 | 0950 | 1000 |
| West Didsbury, Central Road     | 0028 | 0053 | 30    | 0453 | 0534 | 0604 | 0634 | 0704 | 0734 | 0804 | 0822 | 0836 | 0851 | 0906 | 0919 | 0932 | 0947 | 1001 | 1011 |
| Rusholme, Platt Lane            | 0037 | 0102 | mins  | 0502 | 0544 | 0614 | 0644 | 0715 | 0745 | 0815 | 0833 | 0847 | 0902 | 0917 | 0930 | 0944 | 1000 | 1014 | 1024 |
| Manchester Royal Infirmary      | 0041 | 0106 | until | 0506 | 0549 | 0619 | 0649 | 0720 | 0750 | 0820 | 0838 | 0852 | 0907 | 0922 | 0935 | 0950 | 1006 | 1020 | 1030 |
| Manchester, Piccadilly Gardens  | 0050 | 0115 |       | 0515 | 0559 | 0629 | 0659 | 0731 | 0801 | 0831 | 0849 | 0903 | 0918 | 0933 | 0948 | 1003 | 1019 | 1033 | 1043 |

|                                 |      |      |      |      |            |  |      |      |      |      |      |      |      |      |       |      |      |      |      |
|---------------------------------|------|------|------|------|------------|--|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Manchester Airport, Interchange | 0949 | 1004 | 1020 | 1034 | and at     |  | 1704 | 1716 | 1736 | 1756 | 1824 | 1849 | 1909 | 1941 |       | 2141 | 2211 | 2241 | 2306 |
| Wythenshawe, Interchange        | 1003 | 1018 | 1034 | 1048 | frequent   |  | 1718 | 1728 | 1748 | 1808 | 1836 | 1900 | 1920 | 1952 | and   | 2152 | 2222 | 2252 | 2317 |
| Sharston, Altrincham Road       | 1015 | 1030 | 1046 | 1100 | intervals  |  | 1730 | 1740 | 1800 | 1820 | 1846 | 1908 | 1928 | 2000 | every | 2200 | 2230 | 2300 | 2325 |
| West Didsbury, Central Road     | 1026 | 1041 | 1057 | 1111 | of not     |  | 1741 | 1751 | 1811 | 1831 | 1856 | 1917 | 1937 | 2009 | 30    | 2209 | 2239 | 2309 | 2334 |
| Rusholme, Platt Lane            | 1039 | 1054 | 1110 | 1124 | more than  |  | 1754 | 1804 | 1824 | 1844 | 1907 | 1928 | 1948 | 2020 | mins  | 2220 | 2249 | 2319 | 2344 |
| Manchester Royal Infirmary      | 1045 | 1100 | 1116 | 1130 | 10 minutes |  | 1800 | 1810 | 1830 | 1850 | 1912 | 1933 | 1953 | 2025 | until | 2225 | 2254 | 2324 | 2348 |
| Manchester, Piccadilly Gardens  | 1058 | 1113 | 1129 | 1143 | until      |  | 1813 | 1823 | 1843 | 1903 | 1923 | 1944 | 2004 | 2036 |       | 2236 | 2304 | 2333 | 2357 |

|                                 |      |
|---------------------------------|------|
| Manchester Airport, Interchange | 2331 |
| Wythenshawe, Interchange        | 2342 |
| Sharston, Altrincham Road       | 2349 |
| West Didsbury, Central Road     | 2358 |
| Rusholme, Platt Lane            | 0007 |
| Manchester Royal Infirmary      | 0011 |
| Manchester, Piccadilly Gardens  | 0020 |

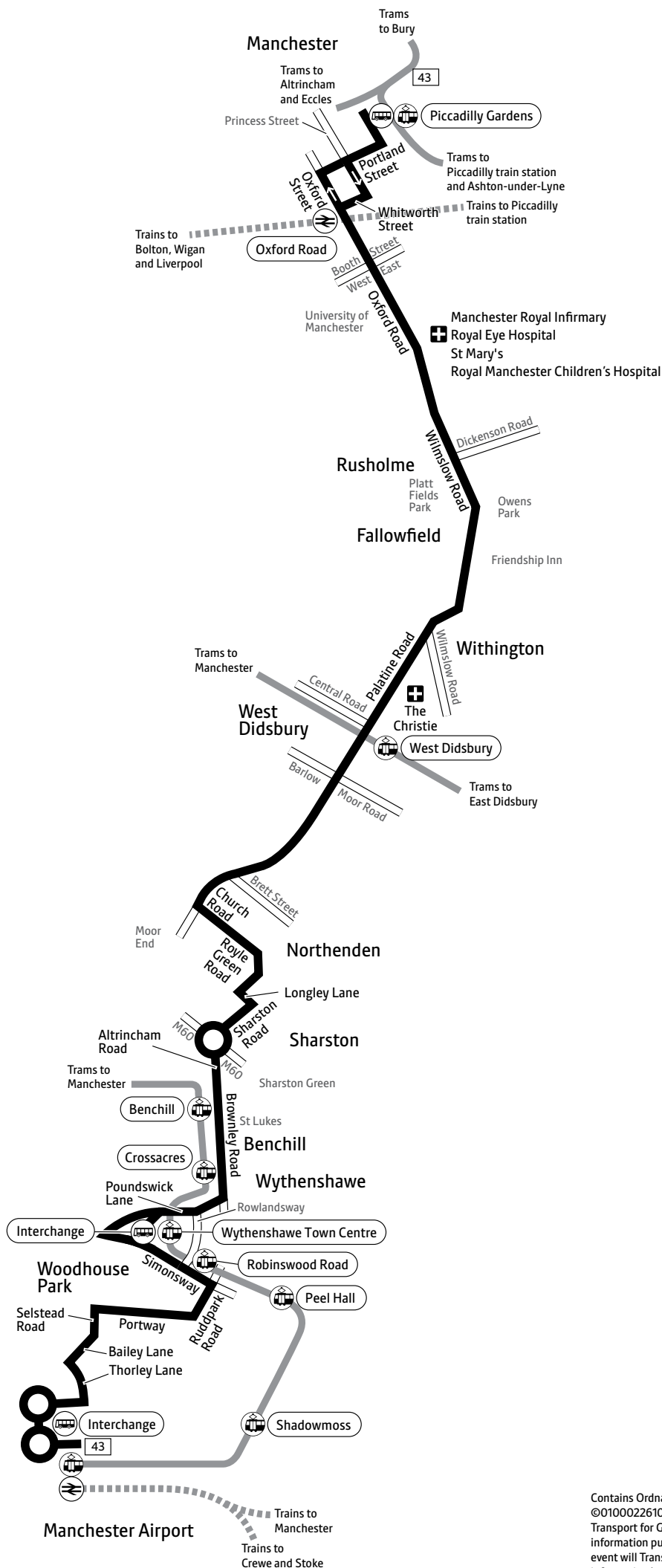
## Sundays and public holidays (except Christmas and New Year period)

|                                 |      |      |      |      |      |       |      |      |      |      |      |       |      |      |      |       |      |      |      |
|---------------------------------|------|------|------|------|------|-------|------|------|------|------|------|-------|------|------|------|-------|------|------|------|
| Manchester Airport, Interchange | 0000 | 0025 | 0055 | 0125 | 0155 |       | 0455 | 0525 | 0555 | 0625 | 0704 |       | 0934 | 0953 | 1006 |       | 1821 | 1839 | 1909 |
| Wythenshawe, Interchange        | 0011 | 0036 | 0106 | 0136 | 0206 | and   | 0506 | 0536 | 0605 | 0635 | 0716 | and   | 0946 | 1005 | 1018 | and   | 1833 | 1851 | 1921 |
| Sharston, Altrincham Road       | 0018 | 0043 | 0113 | 0144 | 0213 | every | 0513 | 0543 | 0614 | 0644 | 0725 | every | 0955 | 1014 | 1030 | every | 1845 | 1901 | 1930 |
| West Didsbury, Central Road     | 0027 | 0052 | 0122 | 0153 | 0222 | 30    | 0522 | 0552 | 0622 | 0652 | 0736 | 30    | 1006 | 1025 | 1042 | 15    | 1857 | 1913 | 1941 |
| Rusholme, Platt Lane            | 0036 | 0101 | 0131 | 0202 | 0231 | mins  | 0531 | 0602 | 0632 | 0703 | 0747 | mins  | 1017 | 1036 | 1055 | mins  | 1910 | 1924 | 1952 |
| Manchester Royal Infirmary      | 0040 | 0105 | 0135 | 0206 | 0235 | until | 0535 | 0608 | 0637 | 0708 | 0752 | until | 1022 | 1041 | 1101 | until | 1916 | 1929 | 1957 |
| Manchester, Piccadilly Gardens  | 0049 | 0114 | 0144 | 0215 | 0244 |       | 0544 | 0617 | 0647 | 0719 | 0803 |       | 1033 | 1052 | 1114 |       | 1929 | 1942 | 2008 |

|                                 |      |       |      |      |      |      |      |
|---------------------------------|------|-------|------|------|------|------|------|
| Manchester Airport, Interchange | 1939 |       | 2139 | 2209 | 2239 | 2309 | 2339 |
| Wythenshawe, Interchange        | 1951 | and   | 2151 | 2221 | 2251 | 2321 | 2351 |
| Sharston, Altrincham Road       | 2000 | every | 2200 | 2230 | 2300 | 2330 | 2359 |
| West Didsbury, Central Road     | 2011 | 30    | 2211 | 2241 | 2311 | 2341 | 0010 |
| Rusholme, Platt Lane            | 2022 | mins  | 2222 | 2251 | 2321 | 2351 | 0019 |
| Manchester Royal Infirmary      | 2027 | until | 2227 | 2256 | 2325 | 2355 | 0023 |
| Manchester, Piccadilly Gardens  | 2038 |       | 2238 | 2306 | 2334 | 0002 | 0030 |

For details of buses during the Christmas and New Year period, please phone 0161 244 1000

♿ – All bus 43 journeys are run using easy access buses. See inside front cover of this leaflet for details



## Key

- Bus route
- Train line
- Tram line
- Direction of travel
- Bus station/connection point
- Train station
- Metrolink stop
- Hospital
- Terminus

# Manchester — West Didsbury — Wythenshawe — Manchester Airport

43

## Mondays to Fridays

|                                 |      |       |      |      |      |      |      |      |      |      |      |      |            |      |      |            |      |
|---------------------------------|------|-------|------|------|------|------|------|------|------|------|------|------|------------|------|------|------------|------|
| Manchester, Piccadilly Gardens  | 0001 |       | 0531 | 0609 | 0627 | 0644 | 0700 | 0715 | 0730 | 0745 | 0757 | 0809 | and at     | 1209 | 1219 | and at     | 1329 |
| Manchester Royal Infirmary      | 0010 | and   | 0540 | 0620 | 0638 | 0657 | 0713 | 0728 | 0744 | 0759 | 0811 | 0823 | frequent   | 1223 | 1233 | frequent   | 1343 |
| Rusholme, Platt Lane            | 0015 | every | 0545 | 0625 | 0643 | 0703 | 0719 | 0734 | 0750 | 0805 | 0817 | 0829 | intervals  | 1229 | 1239 | intervals  | 1349 |
| West Didsbury, Central Road     | 0025 | 30    | 0555 | 0636 | 0654 | 0714 | 0731 | 0746 | 0802 | 0817 | 0829 | 0841 | of not     | 1240 | 1250 | of not     | 1400 |
| Sharston Green                  | 0033 | mins  | 0603 | 0647 | 0705 | 0731 | 0747 | 0802 | 0818 | 0833 | 0845 | 0857 | more than  | 1255 | 1305 | more than  | 1415 |
| Wythenshawe, Interchange        | 0040 | until | 0610 | 0654 | 0712 | 0742 | 0758 | 0813 | 0829 | 0844 | 0856 | 0908 | 10 minutes | 1305 | 1316 | 10 minutes | 1426 |
| Manchester Airport, Interchange | 0048 |       | 0618 | 0703 | 0721 | 0753 | 0809 | 0824 | 0840 | 0855 | 0907 | 0919 | until      | 1316 | 1327 | until      | 1437 |

|                                 |      |      |      |      |      |      |      |      |      |      |      |      |            |      |      |      |      |      |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------------|------|------|------|------|------|
| Manchester, Piccadilly Gardens  | 1339 | 1349 | 1359 | 1409 | 1419 | 1429 | 1439 | 1449 | 1459 | 1509 | 1519 | 1529 | and at     | 1939 | 1951 | 2011 | 2031 | 2101 |
| Manchester Royal Infirmary      | 1353 | 1403 | 1413 | 1423 | 1433 | 1443 | 1453 | 1503 | 1513 | 1524 | 1534 | 1544 | frequent   | 1954 | 2006 | 2026 | 2044 | 2114 |
| Rusholme, Platt Lane            | 1359 | 1409 | 1419 | 1429 | 1439 | 1449 | 1459 | 1509 | 1519 | 1533 | 1543 | 1553 | intervals  | 2003 | 2015 | 2035 | 2053 | 2123 |
| West Didsbury, Central Road     | 1411 | 1422 | 1432 | 1442 | 1452 | 1502 | 1512 | 1522 | 1533 | 1547 | 1557 | 1609 | of not     | 2014 | 2026 | 2046 | 2104 | 2134 |
| Sharston Green                  | 1426 | 1437 | 1447 | 1457 | 1507 | 1517 | 1527 | 1537 | 1548 | 1602 | 1612 | 1626 | more than  | 2025 | 2037 | 2057 | 2115 | 2145 |
| Wythenshawe, Interchange        | 1437 | 1448 | 1458 | 1508 | 1518 | 1529 | 1538 | 1548 | 1559 | 1613 | 1623 | 1638 | 10 minutes | 2034 | 2046 | 2106 | 2123 | 2153 |
| Manchester Airport, Interchange | 1448 | 1459 | 1509 | 1519 | 1529 | 1539 | 1549 | 1559 | 1610 | 1624 | 1634 | 1649 | until      | 2043 | 2055 | 2115 | 2132 | 2202 |

|                                 |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Manchester, Piccadilly Gardens  | 2131 | 2201 | 2231 | 2301 | 2331 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Manchester Royal Infirmary      | 2144 | 2214 | 2243 | 2312 | 2341 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rusholme, Platt Lane            | 2151 | 2221 | 2250 | 2318 | 2346 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| West Didsbury, Central Road     | 2202 | 2232 | 2301 | 2328 | 2355 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sharston Green                  | 2213 | 2243 | 2311 | 2337 | 0004 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wythenshawe, Interchange        | 2221 | 2251 | 2319 | 2345 | 0012 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Manchester Airport, Interchange | 2230 | 2300 | 2327 | 2353 | 0020 |  |  |  |  |  |  |  |  |  |  |  |  |  |

## Saturdays

|                                 |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |            |      |      |
|---------------------------------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------|------|------|
| Manchester, Piccadilly Gardens  | 0001 |       | 0501 | 0539 | 0609 | 0639 | 0709 | 0739 | 0809 | 0839 | 0854 | 0909 | 0919 | 0929 | 0939 | and at     | 1829 | 1849 |
| Manchester Royal Infirmary      | 0010 | and   | 0510 | 0549 | 0619 | 0649 | 0719 | 0749 | 0819 | 0849 | 0905 | 0920 | 0930 | 0941 | 0952 | frequent   | 1842 | 1902 |
| Rusholme, Platt Lane            | 0015 | every | 0515 | 0555 | 0625 | 0655 | 0725 | 0755 | 0825 | 0855 | 0911 | 0926 | 0936 | 0947 | 0959 | intervals  | 1849 | 1909 |
| West Didsbury, Central Road     | 0025 | 30    | 0525 | 0605 | 0635 | 0705 | 0735 | 0805 | 0835 | 0905 | 0922 | 0937 | 0947 | 0958 | 1010 | of not     | 1900 | 1920 |
| Sharston Green                  | 0033 | mins  | 0533 | 0616 | 0646 | 0716 | 0746 | 0816 | 0846 | 0916 | 0933 | 0950 | 1000 | 1012 | 1025 | more than  | 1911 | 1931 |
| Wythenshawe, Interchange        | 0040 | until | 0540 | 0623 | 0653 | 0723 | 0753 | 0823 | 0853 | 0923 | 0940 | 0958 | 1008 | 1020 | 1035 | 10 minutes | 1917 | 1937 |
| Manchester Airport, Interchange | 0048 |       | 0548 | 0631 | 0701 | 0732 | 0802 | 0832 | 0902 | 0932 | 0950 | 1009 | 1019 | 1031 | 1046 | until      | 1926 | 1946 |

## Saturdays (continued)

|                                 |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |  |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|
| Manchester, Piccadilly Gardens  | 1909 | 1939 | 2009 | 2031 | 2101 | 2131 | 2201 | 2231 | 2301 | 2331 |  |  |  |  |  |  |  |  |
| Manchester Royal Infirmary      | 1922 | 1952 | 2022 | 2044 | 2114 | 2144 | 2214 | 2243 | 2313 | 2341 |  |  |  |  |  |  |  |  |
| Rusholme, Platt Lane            | 1929 | 1959 | 2029 | 2050 | 2120 | 2150 | 2220 | 2249 | 2319 | 2346 |  |  |  |  |  |  |  |  |
| West Didsbury, Central Road     | 1940 | 2010 | 2040 | 2101 | 2131 | 2201 | 2231 | 2300 | 2329 | 2355 |  |  |  |  |  |  |  |  |
| Sharston Green                  | 1951 | 2021 | 2051 | 2112 | 2142 | 2212 | 2242 | 2311 | 2339 | 0005 |  |  |  |  |  |  |  |  |
| Wythenshawe, Interchange        | 1957 | 2027 | 2057 | 2118 | 2148 | 2218 | 2248 | 2317 | 2345 | 0011 |  |  |  |  |  |  |  |  |
| Manchester Airport, Interchange | 2006 | 2036 | 2106 | 2127 | 2157 | 2227 | 2257 | 2325 | 2353 | 0019 |  |  |  |  |  |  |  |  |

## Sundays and public holidays (except Christmas and New Year period)

|                                 |      |       |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |       |      |
|---------------------------------|------|-------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|-------|------|
| Manchester, Piccadilly Gardens  | 0001 |       | 0401 | 0431 | 0501 | 0531 | 0609  | 0639 | 0709 | 0731 | 0809 | 0839 | 0909 | 0939 | 1009 | 1039 | 1059 |       | 1614 |
| Manchester Royal Infirmary      | 0011 | and   | 0411 | 0441 | 0511 | 0541 | 0619  | 0649 | 0719 | 0741 | 0819 | 0849 | 0919 | 0949 | 1019 | 1049 | 1112 | and   | 1627 |
| Rusholme, Platt Lane            | 0015 | every | 0415 | 0445 | 0516 | 0546 | 0624  | 0654 | 0724 | 0746 | 0825 | 0855 | 0925 | 0955 | 1025 | 1055 | 1119 | every | 1634 |
| West Didsbury, Central Road     | 0025 | 30    | 0425 | 0455 | 0526 | 0556 | 0634  | 0704 | 0734 | 0756 | 0835 | 0905 | 0935 | 1005 | 1035 | 1105 | 1129 | 15    | 1644 |
| Sharston Green                  | 0034 | mins  | 0434 | 0504 | 0537 | 0607 | 0645  | 0715 | 0745 | 0807 | 0846 | 0916 | 0947 | 1017 | 1047 | 1118 | 1142 | mins  | 1657 |
| Wythenshawe, Interchange        | 0039 | until | 0439 | 0510 | 0543 | 0613 | 0651  | 0721 | 0751 | 0813 | 0853 | 0923 | 0955 | 1025 | 1055 | 1126 | 1150 | until | 1705 |
| Manchester Airport, Interchange | 0047 |       | 0447 | 0518 | 0551 | 0621 | 0659  | 0729 | 0759 | 0821 | 0901 | 0931 | 1004 | 1034 | 1104 | 1135 | 1201 |       | 1716 |
| Manchester, Piccadilly Gardens  | 1629 |       | 1844 | 1859 | 1914 | 1931 |       | 2231 | 2301 | 2331 |      |      |      |      |      |      |      |       |      |
| Manchester Royal Infirmary      | 1642 | and   | 1857 | 1912 | 1925 | 1942 | and   | 2242 | 2312 | 2342 |      |      |      |      |      |      |      |       |      |
| Rusholme, Platt Lane            | 1649 | every | 1904 | 1919 | 1932 | 1949 | every | 2249 | 2319 | 2349 |      |      |      |      |      |      |      |       |      |
| West Didsbury, Central Road     | 1700 | 15    | 1915 | 1930 | 1943 | 2000 | 30    | 2300 | 2330 | 2359 |      |      |      |      |      |      |      |       |      |
| Sharston Green                  | 1715 | mins  | 1930 | 1945 | 1956 | 2013 | mins  | 2313 | 2343 | 0011 |      |      |      |      |      |      |      |       |      |
| Wythenshawe, Interchange        | 1723 | until | 1938 | 1951 | 2002 | 2019 | until | 2319 | 2349 | 0017 |      |      |      |      |      |      |      |       |      |
| Manchester Airport, Interchange | 1734 |       | 1949 | 2001 | 2011 | 2028 |       | 2328 | 2357 | 0025 |      |      |      |      |      |      |      |       |      |

For details of buses during the Christmas and New Year period, please phone 0161 244 1000

♿ – All bus 43 journeys are run using easy access buses. See inside front cover of this leaflet for details

**Summer times:** between mid July and early September, some timetables will be different. Check [www.tfgm.com](http://www.tfgm.com) for details



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From 5 September

**102 and 103**

Monday to Friday peak period times are  
changed

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Buses

**102 103**



Easy access on all buses

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Manchester Airport

Woodhouse Park

Peel Hall

Wythenshawe

Benchill

Sharston

Northenden

Southern Cemetery

Moss Side

Hulme

Manchester

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**From 5 September 2021**

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For public transport information  
phone **0161 244 1000**

7am – 8pm Mon to Fri

8am – 8pm Sat, Sun & public holidays

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This timetable is available online at  
[www.tfgm.com](http://www.tfgm.com)

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Operated by  
**Stagecoach**

# Additional information

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## Alternative format

To ask for leaflets to be sent to you, or to request large print, Braille or recorded information phone 0161 244 1000 or visit [www.tfgm.com](http://www.tfgm.com)

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## Easy access on buses



Journeys run with low floor buses have no steps at the entrance, making getting on and off easier. Where shown, low floor buses have a ramp for access and a dedicated space for wheelchairs and pushchairs inside the bus. The bus operator will always try to provide easy access services where these services are scheduled to run.

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## Using this timetable

Timetables show the direction of travel, bus numbers and the days of the week. Main stops on the route are listed on the left. Where no time is shown against a particular stop, the bus does not stop there on that journey. Check any letters which are shown in the timetable against the key at the bottom of the page.

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## Where to find information about service changes

[www.tfgm.com](http://www.tfgm.com)

Bus station posters

Leaflets from outlets.

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## Tickets and information

Bus companies offer a range of tickets for use on their own buses. For travel on any service in the County, use System One tickets, including DaySaver. Travelshops provide tickets, information and journey planning advice on buses, trains and trams for work and pleasure.

---

## Using the 24 hour clock

Times are shown in four figures. The first two are the hour and the last two are the minutes.

0753 is 53 minutes past 7am

1953 is 53 minutes past 7pm



## Operator details

### Stagecoach

Head Office

Hyde Road

Ardwick

Manchester

M12 6JS

Telephone 0161 273 3377

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## Travelshops

### Manchester Shudehill Interchange

Mon to Sat 7am to 6pm

Sunday Closed

Public hols 10am to 1.45pm and 2.30pm to 5.30pm

### Wythenshawe Interchange

Mon to Fri 7am to 5.30pm

Sat 8.30am to 1.15pm and 2pm to 4pm

Sunday\* Closed

\*Including public holidays

# Southern Cemetery — Moss Side — Manchester

102

# Manchester Airport — Peel Hall — Wythenshawe — Moss Side — Manchester

103

## Mondays to Fridays

|                                 | 103  | 103  | 103  | 103  | 102  | 103  | 102  | 103  | 102  | 103  | 102  | 103  | 102  | 103  | 102  | 103  | 102  | 103  | 102  |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Manchester Airport, Interchange |      |      |      | 0602 |      | 0621 |      | 0637 |      | 0704 |      | 0739 |      | 0809 |      | 0843 |      | 0913 |      |
| Wythenshawe, Interchange arr    |      |      |      | 0618 |      | 0638 |      | 0654 |      | 0724 |      | 0800 |      | 0830 |      | 0901 |      | 0931 |      |
| Wythenshawe, Interchange dep    | 0446 | 0542 | 0602 | 0624 |      | 0639 |      | 0656 |      | 0726 |      | 0802 |      | 0831 |      | 0902 |      | 0932 |      |
| Sharston, Altrincham Road       | 0459 | 0555 | 0615 | 0637 |      | 0654 |      | 0713 |      | 0743 |      | 0820 |      | 0849 |      | 0919 |      | 0944 |      |
| Northenden, Britannia Hotel     | 0504 | 0600 | 0620 | 0642 |      | 0707 |      | 0729 |      | 0759 |      | 0834 |      | 0902 |      | 0928 |      | 0951 |      |
| Southern Cemetery               | 0508 | 0604 | 0624 | 0646 | 0658 | 0716 | 0728 | 0739 | 0754 | 0809 | 0824 | 0844 | 0854 | 0910 | 0924 | 0936 | 0944 | 0959 | 1014 |
| Moss Side, Bowes Street         | 0516 | 0612 | 0632 | 0654 | 0706 | 0729 | 0743 | 0758 | 0813 | 0828 | 0843 | 0858 | 0913 | 0918 | 0932 | 0944 | 0952 | 1007 | 1022 |
| Manchester, Piccadilly Gardens  | 0530 | 0626 | 0646 | 0708 | 0723 | 0745 | 0800 | 0815 | 0830 | 0845 | 0900 | 0915 | 0930 | 0935 | 0949 | 1001 | 1009 | 1024 | 1039 |

|                                 | 103  |      | 102 | 103 | 102 | 103 |       | 103  | 102  | 103  | 102  | 103  | 102  | 103  | 102  | 103  | 102  | 103  | 102  |
|---------------------------------|------|------|-----|-----|-----|-----|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| Manchester Airport, Interchange | 0943 |      |     | 13  |     | 43  |       | 1343 |      | 1413 |      | 1443 |      | 1513 |      | 1548 |      | 1623 |      |
| Wythenshawe, Interchange arr    | 1001 |      |     | 31  |     | 01  | mins  | 1401 |      | 1431 |      | 1501 |      | 1531 |      | 1606 |      | 1641 |      |
| Wythenshawe, Interchange dep    | 1002 | then |     | 32  |     | 02  | past  | 1402 |      | 1432 |      | 1503 |      | 1534 |      | 1609 |      | 1644 |      |
| Sharston, Altrincham Road       | 1014 | at   |     | 44  |     | 14  | each  | 1414 |      | 1445 |      | 1516 |      | 1548 |      | 1623 |      | 1658 |      |
| Northenden, Britannia Hotel     | 1021 |      |     | 51  |     | 21  | hour  | 1421 |      | 1454 |      | 1525 |      | 1557 |      | 1631 |      | 1705 |      |
| Southern Cemetery               | 1029 |      | 44  | 59  | 14  | 29  | until | 1429 | 1448 | 1502 | 1517 | 1533 | 1549 | 1605 | 1621 | 1639 | 1656 | 1713 | 1728 |
| Moss Side, Bowes Street         | 1037 |      | 52  | 07  | 22  | 37  |       | 1437 | 1457 | 1511 | 1526 | 1542 | 1558 | 1614 | 1630 | 1648 | 1705 | 1722 | 1737 |
| Manchester, Piccadilly Gardens  | 1054 |      | 09  | 24  | 39  | 54  |       | 1454 | 1514 | 1529 | 1544 | 1600 | 1616 | 1632 | 1648 | 1706 | 1723 | 1740 | 1755 |

♿ – All bus 102 and 103 journeys are run using easy access buses. See inside front cover of this leaflet for details

**Summer times:** between mid July and early September, some timetables will be different. Check [www.tfgm.com](http://www.tfgm.com) for details

Southern Cemetery — Moss Side — Manchester102

Manchester Airport — Peel Hall — Wythenshawe — Moss Side — Manchester103

Mondays to Fridays (continued)

|                                 | 103  | 103  | 103  | 103  | 103  | 103  | 🏠    | 🏠    | 🏠    | 🏠    | 🏠    |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| Manchester Airport, Interchange | 1653 | 1723 | 1753 | 1823 | 1853 | 1923 | 2009 | 2109 | 2209 | 2309 | 0009 |
| Wythenshawe, Interchange arr    | 1711 | 1741 | 1811 | 1841 | 1910 | 1940 | 2023 | 2123 | 2223 | 2323 | 0023 |
| Wythenshawe, Interchange dep    | 1714 | 1744 | 1814 | 1843 | 1911 | 1941 | 2024 | 2124 | 2224 | 2324 | 0024 |
| Sharston, Altrincham Road       | 1728 | 1758 | 1828 | 1857 | 1925 | 1953 | 2037 | 2137 | 2237 | 2337 | 0037 |
| Northenden, Britannia Hotel     | 1735 | 1805 | 1835 | 1904 | 1932 | 1958 | 2042 | 2142 | 2242 | 2342 | 0042 |
| Southern Cemetery               | 1743 | 1812 | 1841 | 1910 | 1938 | 2004 | 2047 | 2147 | 2247 | 2347 | 0047 |
| Moss Side, Bowes Street         | 1752 | 1821 | 1850 | 1919 | 1945 | 2011 | 2054 | 2152 | 2252 | 2352 | 0052 |
| Manchester, Piccadilly Gardens  | 1810 | 1838 | 1906 | 1935 | 2001 | 2027 | 2108 | 2208 | 2308 | 0008 | 0108 |

Saturdays

|                                 | 103  | 103  | 103  | 103  | 103  | 102  | 103  | 102  | 103  | 102  | 103  |      | 102 | 103 | 102 | 103 |       | 103  | 102  |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-------|------|------|
| Manchester Airport, Interchange |      | 0558 | 0658 | 0743 | 0813 |      | 0843 |      | 0913 |      | 0943 |      |     | 13  |     | 43  |       | 1613 |      |
| Wythenshawe, Interchange arr    |      | 0613 | 0713 | 0758 | 0828 |      | 0858 |      | 0930 |      | 1001 |      |     | 31  |     | 01  | mins  | 1631 |      |
| Wythenshawe, Interchange dep    | 0514 | 0614 | 0714 | 0800 | 0830 |      | 0900 |      | 0931 |      | 1002 | then |     | 32  |     | 02  | past  | 1632 |      |
| Sharston, Altrincham Road       | 0525 | 0625 | 0725 | 0812 | 0842 |      | 0912 |      | 0943 |      | 1014 | at   |     | 44  |     | 14  | each  | 1644 |      |
| Northenden, Britannia Hotel     | 0532 | 0632 | 0732 | 0819 | 0849 |      | 0919 |      | 0950 |      | 1021 |      |     | 51  |     | 21  | hour  | 1651 |      |
| Southern Cemetery               | 0537 | 0637 | 0737 | 0825 | 0855 | 0914 | 0927 | 0944 | 0958 | 1014 | 1029 |      | 44  | 59  | 14  | 29  | until | 1659 | 1727 |
| Moss Side, Bowes Street         | 0545 | 0645 | 0745 | 0833 | 0903 | 0922 | 0935 | 0952 | 1006 | 1022 | 1037 |      | 52  | 07  | 22  | 37  |       | 1707 | 1735 |
| Manchester, Piccadilly Gardens  | 0558 | 0658 | 0758 | 0848 | 0918 | 0939 | 0952 | 1009 | 1023 | 1039 | 1054 |      | 09  | 24  | 39  | 54  |       | 1724 | 1749 |

|                                 | 103  | 103  | 103  | 103  | 103  | 103  | 🏠    | 🏠    | 103  |
|---------------------------------|------|------|------|------|------|------|------|------|------|
| Manchester Airport, Interchange | 1643 | 1713 | 1743 | 1813 | 1843 | 1913 | 1943 | 2009 | 0009 |
| Wythenshawe, Interchange arr    | 1701 | 1731 | 1801 | 1830 | 1900 | 1930 | 1959 | 2023 | 0023 |
| Wythenshawe, Interchange dep    | 1702 | 1732 | 1802 | 1833 | 1902 | 1932 | 2001 | 2024 | 0024 |
| Sharston, Altrincham Road       | 1714 | 1744 | 1814 | 1845 | 1914 | 1944 | 2013 | 2037 | 0037 |
| Northenden, Britannia Hotel     | 1721 | 1751 | 1821 | 1852 | 1920 | 1950 | 2019 | 2042 | 0042 |
| Southern Cemetery               | 1729 | 1759 | 1829 | 1900 | 1925 | 1955 | 2024 | 2047 | 0047 |
| Moss Side, Bowes Street         | 1737 | 1807 | 1837 | 1908 | 1933 | 2003 | 2032 | 2054 | 0054 |
| Manchester, Piccadilly Gardens  | 1754 | 1824 | 1854 | 1923 | 1947 | 2017 | 2046 | 2108 | 0108 |

## Sundays and public holidays (except Christmas and New Year period)

|                                 | 103  | 103  | 103  | 103  | 102  |  | 103 | 102 |       | 103  | 102  | 103  | 103  | 103  | 103  | 103  | 103  | 103  | 103  |
|---------------------------------|------|------|------|------|------|--|-----|-----|-------|------|------|------|------|------|------|------|------|------|------|
| Manchester Airport, Interchange | 0559 | 0659 | 0722 | 0822 |      |  | 22  |     |       | 1422 |      | 1522 | 1622 | 1722 | 1822 | 1922 | 2022 | 2109 | 2209 |
| Wythenshawe, Interchange arr    | 0614 | 0714 | 0738 | 0838 |      |  | 38  |     | mins  | 1438 |      | 1538 | 1638 | 1737 | 1837 | 1937 | 2036 | 2123 | 2223 |
| Wythenshawe, Interchange dep    | 0616 | 0716 | 0740 | 0840 | then |  | 40  |     | past  | 1440 |      | 1540 | 1640 | 1739 | 1839 | 1938 | 2037 | 2124 | 2224 |
| Sharston, Altrincham Road       | 0627 | 0727 | 0753 | 0853 | at   |  | 53  |     | each  | 1453 |      | 1553 | 1653 | 1752 | 1852 | 1951 | 2050 | 2137 | 2237 |
| Northenden, Britannia Hotel     | 0631 | 0731 | 0757 | 0900 |      |  | 00  |     | hour  | 1500 |      | 1600 | 1658 | 1757 | 1857 | 1956 | 2055 | 2142 | 2242 |
| Southern Cemetery               | 0636 | 0736 | 0802 | 0905 | 0935 |  | 05  | 35  | until | 1505 | 1538 | 1605 | 1703 | 1802 | 1902 | 2001 | 2100 | 2147 | 2247 |
| Moss Side, Bowes Street         | 0643 | 0743 | 0809 | 0913 | 0943 |  | 13  | 43  |       | 1513 | 1545 | 1613 | 1710 | 1809 | 1909 | 2008 | 2107 | 2154 | 2254 |
| Manchester, Piccadilly Gardens  | 0657 | 0757 | 0823 | 0929 | 0959 |  | 29  | 59  |       | 1529 | 1559 | 1629 | 1724 | 1823 | 1923 | 2022 | 2121 | 2208 | 2308 |

|                                 | 103  | 103  |
|---------------------------------|------|------|
| Manchester Airport, Interchange | 2309 | 0009 |
| Wythenshawe, Interchange arr    | 2323 | 0023 |
| Wythenshawe, Interchange dep    | 2324 | 0024 |
| Sharston, Altrincham Road       | 2337 | 0037 |
| Northenden, Britannia Hotel     | 2342 | 0042 |
| Southern Cemetery               | 2347 | 0047 |
| Moss Side, Bowes Street         | 2354 | 0054 |
| Manchester, Piccadilly Gardens  | 0008 | 0108 |

For details of buses during the Christmas and New Year period, please phone 0161 244 1000

 – Journey provided with the financial support of Transport for Greater Manchester

 – All bus 102 and 103 journeys are run using easy access buses. See inside front cover of this leaflet for details

**Summer times:** between mid July and early September, some timetables will be different. Check [www.tfgm.com](http://www.tfgm.com) for details

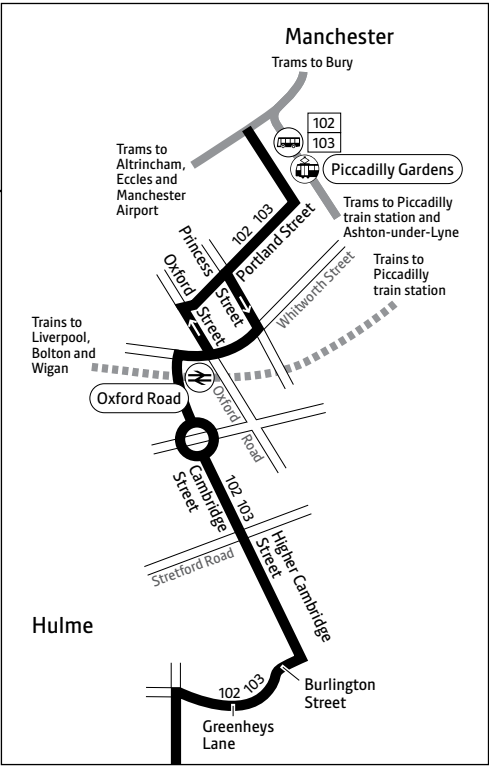
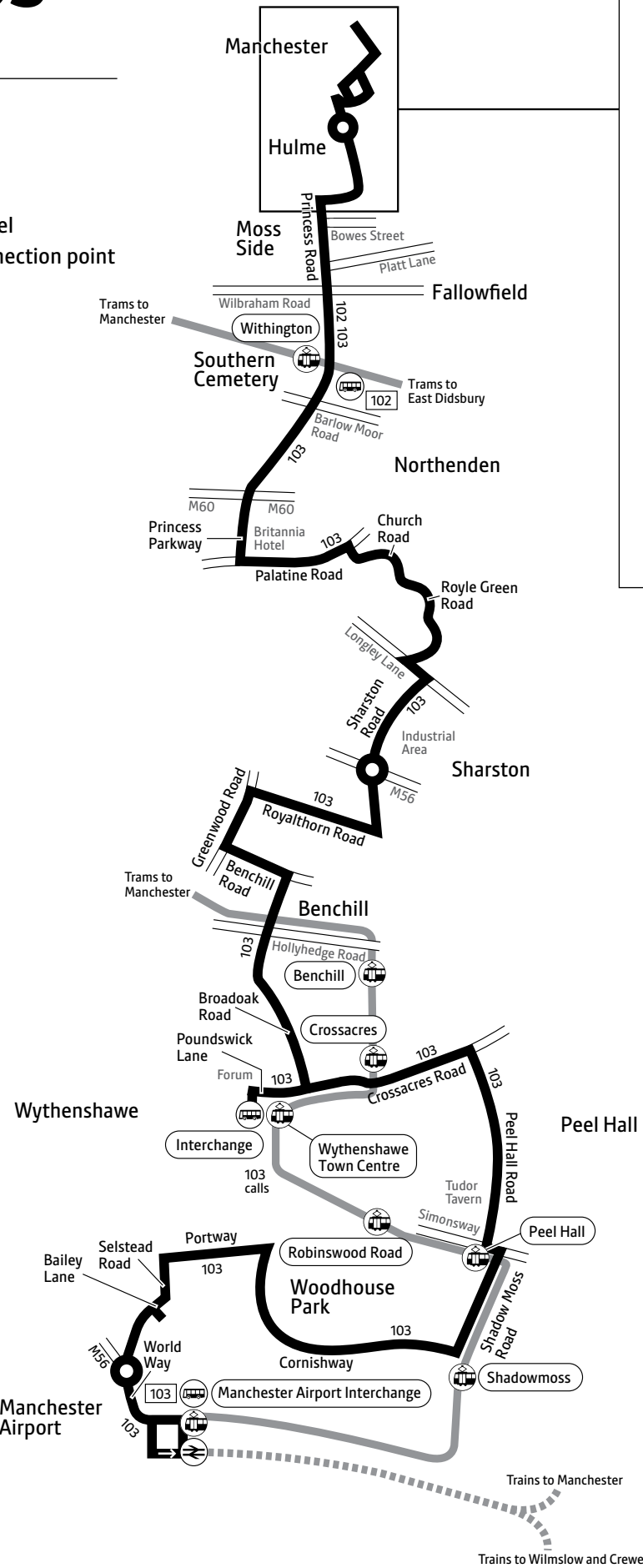
# 102 103

Key

Bus route

Train line

102



# Manchester — Moss Side — Southern Cemetery

102

# Manchester — Moss Side — Wythenshawe — Peel Hall — Manchester Airport

103

## Mondays to Fridays

|                                 | 103  | 103  | 103  | 103  | 103  | 103  | 102  | 103  | 102  | 103  | 102  | 103  | 103  | 102  | 103  | 102  | 103  | 102  | 103  |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Manchester, Piccadilly Gardens  | 0250 | 0350 | 0445 | 0515 |      | 0555 | 0615 | 0635 | 0655 | 0715 | 0735 | 0755 | 0815 | 0833 | 0852 | 0909 | 0925 | 0940 | 0955 |
| Moss Side, Bowes Street         | 0302 | 0402 | 0457 | 0529 |      | 0609 | 0630 | 0653 | 0713 | 0733 | 0755 | 0814 | 0834 | 0852 | 0911 | 0928 | 0944 | 0959 | 1014 |
| Southern Cemetery               | 0308 | 0408 | 0503 | 0535 |      | 0615 | 0637 | 0703 | 0723 | 0743 | 0806 | 0825 | 0845 | 0903 | 0921 | 0938 | 0953 | 1008 | 1023 |
| Northenden, Britannia Hotel     | 0312 | 0412 | 0507 | 0540 |      | 0620 |      | 0710 |      | 0750 |      | 0832 | 0852 |      | 0927 |      | 0959 |      | 1029 |
| Altrincham Road/Sharston Green  | 0318 | 0418 | 0513 | 0547 |      | 0627 |      | 0721 |      | 0801 |      | 0841 | 0901 |      | 0935 |      | 1007 |      | 1036 |
| Wythenshawe, Interchange arr    | 0327 | 0427 | 0524 | 0558 |      | 0639 |      | 0733 |      | 0813 |      | 0851 | 0911 |      | 0945 |      | 1017 |      | 1046 |
| Wythenshawe, Interchange dep    | 0328 | 0428 | 0527 | 0600 | 0623 | 0640 |      | 0735 |      | 0815 |      | 0851 | 0913 |      | 0946 |      | 1018 |      | 1047 |
| Manchester Airport, Interchange | 0339 | 0439 | 0538 | 0611 | 0638 | 0655 |      | 0752 |      | 0832 |      | 0907 | 0929 |      | 1001 |      | 1033 |      | 1102 |

|                                 | 102  | 103  | 102  | 103  | 102  | 103  | 102  | 103  | 102  | 103  | 102  | 103  | 102  | 103  | 102  | 103  | 102  | 103  | 102  |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Manchester, Piccadilly Gardens  | 1010 | 1025 | 1040 | 1055 | 1110 | 1125 | 1140 | 1155 | 1210 | 1225 | 1240 | 1255 | 1310 | 1325 | 1340 | 1355 | 1410 | 1425 | 1440 |
| Moss Side, Bowes Street         | 1029 | 1044 | 1059 | 1114 | 1129 | 1144 | 1159 | 1214 | 1229 | 1244 | 1259 | 1314 | 1329 | 1344 | 1359 | 1414 | 1429 | 1444 | 1501 |
| Southern Cemetery               | 1038 | 1053 | 1108 | 1123 | 1138 | 1153 | 1208 | 1223 | 1238 | 1253 | 1308 | 1323 | 1338 | 1353 | 1408 | 1423 | 1440 | 1453 | 1512 |
| Northenden, Britannia Hotel     |      | 1059 |      | 1129 |      | 1159 |      | 1229 |      | 1259 |      | 1329 |      | 1359 |      | 1429 |      | 1459 |      |
| Altrincham Road/Sharston Green  |      | 1106 |      | 1136 |      | 1206 |      | 1236 |      | 1306 |      | 1336 |      | 1406 |      | 1436 |      | 1508 |      |
| Wythenshawe, Interchange arr    |      | 1116 |      | 1146 |      | 1216 |      | 1246 |      | 1316 |      | 1346 |      | 1416 |      | 1446 |      | 1518 |      |
| Wythenshawe, Interchange dep    |      | 1117 |      | 1147 |      | 1217 |      | 1247 |      | 1317 |      | 1347 |      | 1419 |      | 1449 |      | 1521 |      |
| Manchester Airport, Interchange |      | 1132 |      | 1202 |      | 1232 |      | 1302 |      | 1332 |      | 1402 |      | 1434 |      | 1506 |      | 1539 |      |

|                                 | 103  | 102  | 103  | 102  | 103  | 102  | 103  | 102  | 103  | 102  | 103  | 102  | 103  | 102  | 103  | 102  | 103  | 102  | 103  |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Manchester, Piccadilly Gardens  | 1455 | 1510 | 1525 | 1540 | 1555 | 1610 | 1625 | 1640 | 1655 | 1710 | 1725 | 1740 | 1755 | 1810 | 1828 | 1845 | 1905 | 1935 | 2005 |
| Moss Side, Bowes Street         | 1514 | 1533 | 1547 | 1603 | 1618 | 1633 | 1648 | 1703 | 1718 | 1733 | 1748 | 1759 | 1818 | 1829 | 1847 | 1904 | 1921 | 1949 | 2019 |
| Southern Cemetery               | 1523 | 1544 | 1559 | 1616 | 1630 | 1646 | 1701 | 1716 | 1731 | 1745 | 1801 | 1809 | 1830 | 1837 | 1859 | 1912 | 1929 | 1956 | 2026 |
| Northenden, Britannia Hotel     | 1532 |      | 1606 |      | 1637 |      | 1708 |      | 1738 |      | 1808 |      | 1837 |      | 1903 |      | 1934 |      | 2031 |
| Altrincham Road/Sharston Green  | 1543 |      | 1617 |      | 1648 |      | 1719 |      | 1747 |      | 1817 |      | 1845 |      | 1911 |      | 1941 |      | 2037 |
| Wythenshawe, Interchange arr    | 1555 |      | 1629 |      | 1700 |      | 1731 |      | 1758 |      | 1828 |      | 1856 |      | 1922 |      | 1952 |      | 2048 |
| Wythenshawe, Interchange dep    | 1558 |      | 1632 |      | 1703 |      | 1734 |      | 1759 |      | 1829 |      | 1857 |      | 1922 |      | 1953 |      | 2049 |
| Manchester Airport, Interchange | 1616 |      | 1651 |      | 1722 |      | 1752 |      | 1814 |      | 1844 |      | 1912 |      | 1937 |      | 2007 |      | 2100 |

## Mondays to Fridays (continued)

|                                 |  |  |  |  |  |
|---------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                                 | 102                                                                               | 103                                                                               | 103                                                                               | 103                                                                               | 103                                                                               |
| Manchester, Piccadilly Gardens  | 2035                                                                              | 2105                                                                              | 2205                                                                              | 2305                                                                              | 0005                                                                              |
| Moss Side, Bowes Street         | 2049                                                                              | 2119                                                                              | 2219                                                                              | 2319                                                                              | 0019                                                                              |
| Southern Cemetery               | 2056                                                                              | 2126                                                                              | 2226                                                                              | 2326                                                                              | 0026                                                                              |
| Northenden, Britannia Hotel     |                                                                                   | 2131                                                                              | 2231                                                                              | 2331                                                                              | 0031                                                                              |
| Altrincham Road/Sharston Green  |                                                                                   | 2137                                                                              | 2237                                                                              | 2337                                                                              | 0037                                                                              |
| Wythenshawe, Interchange arr    |                                                                                   | 2148                                                                              | 2248                                                                              | 2348                                                                              | 0048                                                                              |
| Wythenshawe, Interchange dep    |                                                                                   | 2149                                                                              | 2249                                                                              | 2349                                                                              |                                                                                   |
| Manchester Airport, Interchange |                                                                                   | 2200                                                                              | 2300                                                                              | 0000                                                                              |                                                                                   |

## Saturdays

|                                 | 103  | 103  | 103  | 103  | 103  | 103  | 103  | 103  | 103  | 103  | 103  | 103  | 103  | 102  | 103  | 102  | 103  | 102  | 103  |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Manchester, Piccadilly Gardens  | 0250 | 0350 | 0450 | 0550 |      | 0645 |      | 0755 | 0825 | 0855 | 0925 | 0955 | 1025 | 1040 | 1055 | 1110 | 1125 | 1140 | 1155 |
| Moss Side, Bowes Street         | 0302 | 0402 | 0502 | 0602 |      | 0656 |      | 0808 | 0838 | 0908 | 0938 | 1013 | 1044 | 1059 | 1114 | 1129 | 1144 | 1159 | 1214 |
| Southern Cemetery               | 0308 | 0408 | 0508 | 0608 |      | 0703 |      | 0815 | 0845 | 0915 | 0946 | 1022 | 1053 | 1108 | 1123 | 1138 | 1153 | 1208 | 1223 |
| Northenden, Britannia Hotel     | 0312 | 0412 | 0512 | 0612 |      | 0708 |      | 0820 | 0850 | 0920 | 0951 | 1028 | 1059 |      | 1129 |      | 1159 |      | 1229 |
| Altrincham Road/Sharston Green  | 0318 | 0418 | 0518 | 0618 |      | 0714 |      | 0827 | 0857 | 0927 | 0958 | 1035 | 1106 |      | 1136 |      | 1206 |      | 1236 |
| Wythenshawe, Interchange arr    | 0327 | 0427 | 0527 | 0627 |      | 0723 |      | 0837 | 0908 | 0938 | 1008 | 1045 | 1116 |      | 1146 |      | 1206 |      | 1246 |
| Wythenshawe, Interchange dep    | 0328 | 0428 | 0528 | 0628 | 0709 | 0723 | 0756 | 0840 | 0913 | 0942 | 1012 | 1046 | 1117 |      | 1147 |      | 1217 |      | 1247 |
| Manchester Airport, Interchange | 0339 | 0439 | 0539 | 0639 | 0724 | 0738 | 0811 | 0855 | 0928 | 0957 | 1027 | 1101 | 1132 |      | 1202 |      | 1232 |      | 1302 |

|                                 | 102  |      | 103 | 102 | 103 | 102 |       | 103  | 102  | 103  | 103  | 103  |  |  |  |  |
|---------------------------------|------|------|-----|-----|-----|-----|-------|------|------|------|------|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Manchester, Piccadilly Gardens  | 1210 |      | 25  | 40  | 55  | 10  |       | 1755 | 1815 | 1835 | 1905 | 2005 | 2105                                                                                | 2205                                                                                | 2305                                                                                | 0005                                                                                |
| Moss Side, Bowes Street         | 1229 |      | 44  | 59  | 14  | 29  | mins  | 1814 | 1834 | 1854 | 1923 | 2021 | 2119                                                                                | 2219                                                                                | 2319                                                                                | 0019                                                                                |
| Southern Cemetery               | 1238 | then | 53  | 08  | 23  | 38  | past  | 1823 | 1843 | 1903 | 1931 | 2027 | 2126                                                                                | 2226                                                                                | 2326                                                                                | 0026                                                                                |
| Northenden, Britannia Hotel     |      | at   | 59  |     | 29  |     | each  | 1829 |      | 1909 | 1937 | 2032 | 2131                                                                                | 2231                                                                                | 2331                                                                                | 0031                                                                                |
| Altrincham Road/Sharston Green  |      |      | 06  |     | 36  |     | hour  | 1836 |      | 1916 | 1944 | 2038 | 2137                                                                                | 2237                                                                                | 2337                                                                                | 0037                                                                                |
| Wythenshawe, Interchange arr    |      |      | 16  |     | 46  |     | until | 1846 |      | 1926 | 1954 | 2048 | 2148                                                                                | 2248                                                                                | 2348                                                                                | 0048                                                                                |
| Wythenshawe, Interchange dep    |      |      | 17  |     | 47  |     |       | 1847 |      | 1931 | 1956 | 2050 | 2149                                                                                | 2249                                                                                | 2349                                                                                |                                                                                     |
| Manchester Airport, Interchange |      |      | 32  |     | 02  |     |       | 1902 |      | 1946 | 2011 | 2105 | 2200                                                                                | 2300                                                                                | 0000                                                                                |                                                                                     |

 – Journey provided with the financial support of Transport for Greater Manchester

 – All bus 102 and 103 journeys are run using easy access buses. See inside front cover of this leaflet for details

**Summer times:** between mid July and early September, some timetables will be different. Check [www.tfgm.com](http://www.tfgm.com) for details

Manchester — Moss Side — Southern Cemetery
Manchester — Moss Side — Wythenshawe — Peel Hall — Manchester Airport

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103

Sundays and public holidays (except Christmas and New Year period)

|                                 |      |      |      |      |      |      |      |      |      |      |     |     |       |      |      |      |      | 🚶    |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|-----|-----|-------|------|------|------|------|------|
|                                 | 103  | 103  | 103  | 103  | 103  | 103  | 103  | 103  | 102  |      | 103 | 102 |       | 102  | 103  | 103  | 103  | 103  |
| Manchester, Piccadilly Gardens  | 0250 | 0350 | 0450 | 0550 | 0705 | 0805 | 0905 | 1005 | 1035 |      | 05  | 35  |       | 1635 | 1705 | 1805 | 1907 | 2005 |
| Moss Side, Bowes Street         | 0302 | 0402 | 0500 | 0600 | 0717 | 0818 | 0918 | 1022 | 1052 |      | 22  | 52  | mins  | 1652 | 1721 | 1821 | 1921 | 2019 |
| Southern Cemetery               | 0308 | 0408 | 0507 | 0607 | 0724 | 0825 | 0925 | 1030 | 1100 | then | 30  | 00  | past  | 1700 | 1729 | 1829 | 1928 | 2026 |
| Northenden, Britannia Hotel     | 0312 | 0412 | 0511 | 0611 | 0729 | 0830 | 0930 | 1035 |      | at   | 35  |     | each  |      | 1734 | 1834 | 1933 | 2031 |
| Altrincham Road/Sharston Green  | 0318 | 0418 | 0517 | 0617 | 0735 | 0837 | 0937 | 1043 |      |      | 43  |     | hour  |      | 1742 | 1842 | 1939 | 2037 |
| Wythenshawe, Interchange arr    | 0327 | 0427 | 0526 | 0626 | 0745 | 0847 | 0947 | 1055 |      |      | 55  |     | until |      | 1754 | 1854 | 1950 | 2048 |
| Wythenshawe, Interchange dep    | 0328 | 0428 | 0527 | 0627 | 0746 | 0852 | 0952 | 1057 |      |      | 57  |     |       |      | 1756 | 1856 | 1951 | 2049 |
| Manchester Airport, Interchange | 0339 | 0439 | 0538 | 0638 | 0801 | 0907 | 1007 | 1112 |      |      | 12  |     |       |      | 1811 | 1911 | 2006 | 2104 |
|                                 |      |      |      |      |      |      |      |      |      |      |     |     |       |      |      |      |      |      |
|                                 | 🚶    | 🚶    | 🚶    |      |      |      |      |      |      |      |     |     |       |      |      |      |      |      |
|                                 | 103  | 103  | 103  |      |      |      |      |      |      |      |     |     |       |      |      |      |      |      |
| Manchester, Piccadilly Gardens  | 2205 | 2305 | 0005 |      |      |      |      |      |      |      |     |     |       |      |      |      |      |      |
| Moss Side, Bowes Street         | 2219 | 2319 | 0019 |      |      |      |      |      |      |      |     |     |       |      |      |      |      |      |
| Southern Cemetery               | 2226 | 2326 | 0026 |      |      |      |      |      |      |      |     |     |       |      |      |      |      |      |
| Northenden, Britannia Hotel     | 2231 | 2331 | 0031 |      |      |      |      |      |      |      |     |     |       |      |      |      |      |      |
| Altrincham Road/Sharston Green  | 2237 | 2337 |      |      |      |      |      |      |      |      |     |     |       |      |      |      |      |      |
| Wythenshawe, Interchange arr    | 2248 | 2348 |      |      |      |      |      |      |      |      |     |     |       |      |      |      |      |      |
| Wythenshawe, Interchange dep    | 2249 | 2349 |      |      |      |      |      |      |      |      |     |     |       |      |      |      |      |      |
| Manchester Airport, Interchange | 2300 | 0000 |      |      |      |      |      |      |      |      |     |     |       |      |      |      |      |      |

For details of buses during the Christmas and New Year period, please phone 0161 244 1000

🚶 – Journey provided with the financial support of Transport for Greater Manchester

♿ – All bus 102 and 103 journeys are run using easy access buses. See inside front cover of this leaflet for details

# APPENDIX E

TRICS Outputs – Houses Privately Owned

Calculation Reference: AUDIT-754101-210922-0928

**TRIP RATE CALCULATION SELECTION PARAMETERS:**

Land Use : 03 - RESIDENTIAL  
 Category : A - HOUSES PRIVATELY OWNED

**MULTI-MODAL TOTAL VEHICLES**Selected regions and areas:

|           |                                           |        |
|-----------|-------------------------------------------|--------|
| <b>02</b> | <b>SOUTH EAST</b>                         |        |
|           | HC HAMPSHIRE                              | 2 days |
| <b>03</b> | <b>SOUTH WEST</b>                         |        |
|           | DC DORSET                                 | 1 days |
|           | SM SOMERSET                               | 1 days |
| <b>04</b> | <b>EAST ANGLIA</b>                        |        |
|           | NF NORFOLK                                | 2 days |
|           | SF SUFFOLK                                | 1 days |
| <b>06</b> | <b>WEST MIDLANDS</b>                      |        |
|           | SH SHROPSHIRE                             | 1 days |
|           | WK WARWICKSHIRE                           | 1 days |
| <b>07</b> | <b>YORKSHIRE &amp; NORTH LINCOLNSHIRE</b> |        |
|           | NY NORTH YORKSHIRE                        | 1 days |
| <b>08</b> | <b>NORTH WEST</b>                         |        |
|           | CH CHESHIRE                               | 2 days |
| <b>10</b> | <b>WALES</b>                              |        |
|           | VG VALE OF GLAMORGAN                      | 1 days |
| <b>12</b> | <b>CONNAUGHT</b>                          |        |
|           | RO ROSCOMMON                              | 1 days |
| <b>16</b> | <b>ULSTER (REPUBLIC OF IRELAND)</b>       |        |
|           | CV CAVAN                                  | 1 days |
|           | DN DONEGAL                                | 1 days |

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

**Primary Filtering selection:**

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

Parameter: No of Dwellings  
 Actual Range: 6 to 40 (units: )  
 Range Selected by User: 4 to 40 (units: )

Parking Spaces Range: All Surveys Included

Parking Spaces per Dwelling Range: All Surveys Included

Bedrooms per Dwelling Range: All Surveys Included

Percentage of dwellings privately owned: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/13 to 05/11/19

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

Selected survey days:

|           |        |
|-----------|--------|
| Monday    | 4 days |
| Tuesday   | 2 days |
| Wednesday | 5 days |
| Thursday  | 5 days |

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

Selected survey types:

|                       |         |
|-----------------------|---------|
| Manual count          | 16 days |
| Directional ATC Count | 0 days  |

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

Selected Locations:

Edge of Town

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

Selected Location Sub Categories:

|                  |    |
|------------------|----|
| Residential Zone | 14 |
| No Sub Category  | 2  |

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

**Secondary Filtering selection:**

Use Class:

|    |         |
|----|---------|
| C3 | 16 days |
|----|---------|

*This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.*

Population within 500m Range:

All Surveys Included

Population within 1 mile:

|                  |        |
|------------------|--------|
| 1,001 to 5,000   | 4 days |
| 5,001 to 10,000  | 3 days |
| 10,001 to 15,000 | 4 days |
| 15,001 to 20,000 | 3 days |
| 20,001 to 25,000 | 1 days |
| 25,001 to 50,000 | 1 days |

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

Population within 5 miles:

|                    |        |
|--------------------|--------|
| 5,000 or Less      | 2 days |
| 5,001 to 25,000    | 3 days |
| 25,001 to 50,000   | 1 days |
| 50,001 to 75,000   | 3 days |
| 75,001 to 100,000  | 2 days |
| 125,001 to 250,000 | 3 days |
| 250,001 to 500,000 | 2 days |

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

Car ownership within 5 miles:

|            |         |
|------------|---------|
| 0.6 to 1.0 | 4 days  |
| 1.1 to 1.5 | 12 days |

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

Travel Plan:

|     |         |
|-----|---------|
| Yes | 4 days  |
| No  | 12 days |

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

PTAL Rating:

|                 |         |
|-----------------|---------|
| No PTAL Present | 16 days |
|-----------------|---------|

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

LIST OF SITES relevant to selection parameters

|          |                        |                                     |                     |
|----------|------------------------|-------------------------------------|---------------------|
| <b>1</b> | <b>CH-03-A-09</b>      | <b>TERRACED HOUSES</b>              | <b>CHESHIRE</b>     |
|          | GREYSTOKE ROAD         |                                     |                     |
|          | MACCLESFIELD           |                                     |                     |
|          | HURDSFIELD             |                                     |                     |
|          | Edge of Town           |                                     |                     |
|          | Residential Zone       |                                     |                     |
|          | Total No of Dwellings: | 24                                  |                     |
|          | Survey date: MONDAY    | 24/11/14                            | Survey Type: MANUAL |
| <b>2</b> | <b>CH-03-A-10</b>      | <b>SEMI-DETACHED &amp; TERRACED</b> | <b>CHESHIRE</b>     |
|          | MEADOW DRIVE           |                                     |                     |
|          | NORTHWICH              |                                     |                     |
|          | BARNTON                |                                     |                     |
|          | Edge of Town           |                                     |                     |
|          | Residential Zone       |                                     |                     |
|          | Total No of Dwellings: | 40                                  |                     |
|          | Survey date: TUESDAY   | 04/06/19                            | Survey Type: MANUAL |
| <b>3</b> | <b>CV-03-A-03</b>      | <b>DETACHED HOUSES</b>              | <b>CAVAN</b>        |
|          | R212 DUBLIN ROAD       |                                     |                     |
|          | CAVAN                  |                                     |                     |
|          | PULLAMORE NEAR         |                                     |                     |
|          | Edge of Town           |                                     |                     |
|          | No Sub Category        |                                     |                     |
|          | Total No of Dwellings: | 37                                  |                     |
|          | Survey date: MONDAY    | 22/05/17                            | Survey Type: MANUAL |
| <b>4</b> | <b>DC-03-A-08</b>      | <b>BUNGALOWS</b>                    | <b>DORSET</b>       |
|          | HURSTDENE ROAD         |                                     |                     |
|          | BOURNEMOUTH            |                                     |                     |
|          | CASTLE LANE WEST       |                                     |                     |
|          | Edge of Town           |                                     |                     |
|          | Residential Zone       |                                     |                     |
|          | Total No of Dwellings: | 28                                  |                     |
|          | Survey date: MONDAY    | 24/03/14                            | Survey Type: MANUAL |
| <b>5</b> | <b>DN-03-A-06</b>      | <b>DETACHED HOUSING</b>             | <b>DONEGAL</b>      |
|          | GLENFIN ROAD           |                                     |                     |
|          | BALLYBOFEY             |                                     |                     |
|          | Edge of Town           |                                     |                     |
|          | Residential Zone       |                                     |                     |
|          | Total No of Dwellings: | 6                                   |                     |
|          | Survey date: WEDNESDAY | 10/10/18                            | Survey Type: MANUAL |
| <b>6</b> | <b>HC-03-A-21</b>      | <b>TERRACED &amp; SEMI-DETACHED</b> | <b>HAMPSHIRE</b>    |
|          | PRIESTLEY ROAD         |                                     |                     |
|          | BASINGSTOKE            |                                     |                     |
|          | HOUNDMILLS             |                                     |                     |
|          | Edge of Town           |                                     |                     |
|          | Residential Zone       |                                     |                     |
|          | Total No of Dwellings: | 39                                  |                     |
|          | Survey date: TUESDAY   | 13/11/18                            | Survey Type: MANUAL |
| <b>7</b> | <b>HC-03-A-22</b>      | <b>MIXED HOUSES</b>                 | <b>HAMPSHIRE</b>    |
|          | BOW LAKE GARDENS       |                                     |                     |
|          | NEAR EASTLEIGH         |                                     |                     |
|          | BISHOPSTOKE            |                                     |                     |
|          | Edge of Town           |                                     |                     |
|          | Residential Zone       |                                     |                     |
|          | Total No of Dwellings: | 40                                  |                     |
|          | Survey date: WEDNESDAY | 31/10/18                            | Survey Type: MANUAL |
| <b>8</b> | <b>NF-03-A-03</b>      | <b>DETACHED HOUSES</b>              | <b>NORFOLK</b>      |
|          | HALING WAY             |                                     |                     |
|          | THETFORD               |                                     |                     |
|          | Edge of Town           |                                     |                     |
|          | Residential Zone       |                                     |                     |
|          | Total No of Dwellings: | 10                                  |                     |
|          | Survey date: WEDNESDAY | 16/09/15                            | Survey Type: MANUAL |

LIST OF SITES relevant to selection parameters (Cont.)

|           |                                                                |                                     |          |                          |
|-----------|----------------------------------------------------------------|-------------------------------------|----------|--------------------------|
| <b>9</b>  | <b>NF-03-A-05</b><br>HEATH DRIVE<br>HOLT                       | <b>MIXED HOUSES</b>                 |          | <b>NORFOLK</b>           |
|           | Edge of Town<br>Residential Zone<br>Total No of Dwellings:     |                                     | 40       |                          |
|           | Survey date: THURSDAY                                          |                                     | 19/09/19 | Survey Type: MANUAL      |
| <b>10</b> | <b>NY-03-A-11</b><br>HORSEFAIR<br>BOROUGHBRIDGE                | <b>PRIVATE HOUSING</b>              |          | <b>NORTH YORKSHIRE</b>   |
|           | Edge of Town<br>Residential Zone<br>Total No of Dwellings:     |                                     | 23       |                          |
|           | Survey date: WEDNESDAY                                         |                                     | 18/09/13 | Survey Type: MANUAL      |
| <b>11</b> | <b>RO-03-A-03</b><br>N61<br>BOYLE<br>GREATMEADOW               | <b>DETACHED HOUSES</b>              |          | <b>ROSCOMMON</b>         |
|           | Edge of Town<br>No Sub Category<br>Total No of Dwellings:      |                                     | 23       |                          |
|           | Survey date: THURSDAY                                          |                                     | 25/09/14 | Survey Type: MANUAL      |
| <b>12</b> | <b>SF-03-A-05</b><br>VALE LANE<br>BURY ST EDMUNDS              | <b>DETACHED HOUSES</b>              |          | <b>SUFFOLK</b>           |
|           | Edge of Town<br>Residential Zone<br>Total No of Dwellings:     |                                     | 18       |                          |
|           | Survey date: WEDNESDAY                                         |                                     | 09/09/15 | Survey Type: MANUAL      |
| <b>13</b> | <b>SH-03-A-06</b><br>ELLESMERE ROAD<br>SHREWSBURY              | <b>BUNGALOWS</b>                    |          | <b>SHROPSHIRE</b>        |
|           | Edge of Town<br>Residential Zone<br>Total No of Dwellings:     |                                     | 16       |                          |
|           | Survey date: THURSDAY                                          |                                     | 22/05/14 | Survey Type: MANUAL      |
| <b>14</b> | <b>SM-03-A-01</b><br>WEMBDON ROAD<br>BRIDGWATER<br>NORTHFIELD  | <b>DETACHED &amp; SEMI</b>          |          | <b>SOMERSET</b>          |
|           | Edge of Town<br>Residential Zone<br>Total No of Dwellings:     |                                     | 33       |                          |
|           | Survey date: THURSDAY                                          |                                     | 24/09/15 | Survey Type: MANUAL      |
| <b>15</b> | <b>VG-03-A-01</b><br>ARTHUR STREET<br>BARRY                    | <b>SEMI-DETACHED &amp; TERRACED</b> |          | <b>VALE OF GLAMORGAN</b> |
|           | Edge of Town<br>Residential Zone<br>Total No of Dwellings:     |                                     | 12       |                          |
|           | Survey date: MONDAY                                            |                                     | 08/05/17 | Survey Type: MANUAL      |
| <b>16</b> | <b>WK-03-A-02</b><br>NARBERTH WAY<br>COVENTRY<br>POTTERS GREEN | <b>BUNGALOWS</b>                    |          | <b>WARWICKSHIRE</b>      |
|           | Edge of Town<br>Residential Zone<br>Total No of Dwellings:     |                                     | 17       |                          |
|           | Survey date: THURSDAY                                          |                                     | 17/10/13 | Survey Type: MANUAL      |

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

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

**MULTI-MODAL TOTAL VEHICLES****Calculation factor: 1 DWELLS****Estimated TRIP rate value per 20 DWELLS shown in shaded columns****BOLD print indicates peak (busiest) period**

| Time Range    | ARRIVALS |             |           |                     | DEPARTURES |             |           |                     | TOTALS   |             |           |                     |
|---------------|----------|-------------|-----------|---------------------|------------|-------------|-----------|---------------------|----------|-------------|-----------|---------------------|
|               | No. Days | Ave. DWELLS | Trip Rate | Estimated Trip Rate | No. Days   | Ave. DWELLS | Trip Rate | Estimated Trip Rate | No. Days | Ave. DWELLS | Trip Rate | Estimated Trip Rate |
| 00:00 - 01:00 |          |             |           |                     |            |             |           |                     |          |             |           |                     |
| 01:00 - 02:00 |          |             |           |                     |            |             |           |                     |          |             |           |                     |
| 02:00 - 03:00 |          |             |           |                     |            |             |           |                     |          |             |           |                     |
| 03:00 - 04:00 |          |             |           |                     |            |             |           |                     |          |             |           |                     |
| 04:00 - 05:00 |          |             |           |                     |            |             |           |                     |          |             |           |                     |
| 05:00 - 06:00 |          |             |           |                     |            |             |           |                     |          |             |           |                     |
| 06:00 - 07:00 |          |             |           |                     |            |             |           |                     |          |             |           |                     |
| 07:00 - 08:00 | 16       | 25          | 0.086     | 1.724               | 16         | 25          | 0.288     | 5.764               | 16       | 25          | 0.374     | 7.488               |
| 08:00 - 09:00 | 16       | 25          | 0.172     | 3.448               | 16         | 25          | 0.387     | 7.734               | 16       | 25          | 0.559     | 11.182              |
| 09:00 - 10:00 | 16       | 25          | 0.180     | 3.596               | 16         | 25          | 0.239     | 4.778               | 16       | 25          | 0.419     | 8.374               |
| 10:00 - 11:00 | 16       | 25          | 0.182     | 3.645               | 16         | 25          | 0.182     | 3.645               | 16       | 25          | 0.364     | 7.290               |
| 11:00 - 12:00 | 16       | 25          | 0.177     | 3.547               | 16         | 25          | 0.222     | 4.433               | 16       | 25          | 0.399     | 7.980               |
| 12:00 - 13:00 | 16       | 25          | 0.172     | 3.448               | 16         | 25          | 0.204     | 4.089               | 16       | 25          | 0.376     | 7.537               |
| 13:00 - 14:00 | 16       | 25          | 0.264     | 5.271               | 16         | 25          | 0.222     | 4.433               | 16       | 25          | 0.486     | 9.704               |
| 14:00 - 15:00 | 16       | 25          | 0.207     | 4.138               | 16         | 25          | 0.246     | 4.926               | 16       | 25          | 0.453     | 9.064               |
| 15:00 - 16:00 | 16       | 25          | 0.310     | 6.207               | 16         | 25          | 0.259     | 5.172               | 16       | 25          | 0.569     | 11.379              |
| 16:00 - 17:00 | 16       | 25          | 0.293     | 5.862               | 16         | 25          | 0.180     | 3.596               | 16       | 25          | 0.473     | 9.458               |
| 17:00 - 18:00 | 16       | 25          | 0.357     | 7.143               | 16         | 25          | 0.187     | 3.744               | 16       | 25          | 0.544     | 10.887              |
| 18:00 - 19:00 | 16       | 25          | 0.236     | 4.729               | 16         | 25          | 0.150     | 3.005               | 16       | 25          | 0.386     | 7.734               |
| 19:00 - 20:00 |          |             |           |                     |            |             |           |                     |          |             |           |                     |
| 20:00 - 21:00 |          |             |           |                     |            |             |           |                     |          |             |           |                     |
| 21:00 - 22:00 |          |             |           |                     |            |             |           |                     |          |             |           |                     |
| 22:00 - 23:00 |          |             |           |                     |            |             |           |                     |          |             |           |                     |
| 23:00 - 24:00 |          |             |           |                     |            |             |           |                     |          |             |           |                     |
| Total Rates:  |          |             | 2.636     | 52.758              |            |             | 2.766     | 55.319              |          |             | 5.402     | 108.077             |

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

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

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**Parameter summary**

|                                               |                     |
|-----------------------------------------------|---------------------|
| Trip rate parameter range selected:           | 6 - 40 (units: )    |
| Survey date range:                            | 01/01/13 - 05/11/19 |
| Number of weekdays (Monday-Friday):           | 16                  |
| Number of Saturdays:                          | 0                   |
| Number of Sundays:                            | 0                   |
| Surveys automatically removed from selection: | 1                   |
| Surveys manually removed from selection:      | 0                   |

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

mode transport limited Lombard House, 145 Great Charles Street Birmingham, B3 3LP

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TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

**MULTI-MODAL OGVS****Calculation factor: 1 DWELLS****Estimated TRIP rate value per 20 DWELLS shown in shaded columns****BOLD print indicates peak (busiest) period**

| Time Range    | ARRIVALS  |             |              |                     | DEPARTURES |             |              |                     | TOTALS    |             |              |                     |
|---------------|-----------|-------------|--------------|---------------------|------------|-------------|--------------|---------------------|-----------|-------------|--------------|---------------------|
|               | No. Days  | Ave. DWELLS | Trip Rate    | Estimated Trip Rate | No. Days   | Ave. DWELLS | Trip Rate    | Estimated Trip Rate | No. Days  | Ave. DWELLS | Trip Rate    | Estimated Trip Rate |
| 00:00 - 01:00 |           |             |              |                     |            |             |              |                     |           |             |              |                     |
| 01:00 - 02:00 |           |             |              |                     |            |             |              |                     |           |             |              |                     |
| 02:00 - 03:00 |           |             |              |                     |            |             |              |                     |           |             |              |                     |
| 03:00 - 04:00 |           |             |              |                     |            |             |              |                     |           |             |              |                     |
| 04:00 - 05:00 |           |             |              |                     |            |             |              |                     |           |             |              |                     |
| 05:00 - 06:00 |           |             |              |                     |            |             |              |                     |           |             |              |                     |
| 06:00 - 07:00 |           |             |              |                     |            |             |              |                     |           |             |              |                     |
| 07:00 - 08:00 | 16        | 25          | 0.002        | 0.049               | 16         | 25          | 0.005        | 0.099               | 16        | 25          | 0.007        | 0.148               |
| 08:00 - 09:00 | 16        | 25          | 0.002        | 0.049               | 16         | 25          | 0.000        | 0.000               | 16        | 25          | 0.002        | 0.049               |
| 09:00 - 10:00 | <b>16</b> | <b>25</b>   | <b>0.005</b> | <b>0.099</b>        | 16         | 25          | 0.005        | 0.099               | 16        | 25          | 0.010        | 0.198               |
| 10:00 - 11:00 | 16        | 25          | 0.005        | 0.099               | 16         | 25          | 0.000        | 0.000               | 16        | 25          | 0.005        | 0.099               |
| 11:00 - 12:00 | 16        | 25          | 0.005        | 0.099               | <b>16</b>  | <b>25</b>   | <b>0.012</b> | <b>0.246</b>        | <b>16</b> | <b>25</b>   | <b>0.017</b> | <b>0.345</b>        |
| 12:00 - 13:00 | 16        | 25          | 0.000        | 0.000               | 16         | 25          | 0.000        | 0.000               | 16        | 25          | 0.000        | 0.000               |
| 13:00 - 14:00 | 16        | 25          | 0.002        | 0.049               | 16         | 25          | 0.002        | 0.049               | 16        | 25          | 0.004        | 0.098               |
| 14:00 - 15:00 | 16        | 25          | 0.000        | 0.000               | 16         | 25          | 0.000        | 0.000               | 16        | 25          | 0.000        | 0.000               |
| 15:00 - 16:00 | 16        | 25          | 0.000        | 0.000               | 16         | 25          | 0.000        | 0.000               | 16        | 25          | 0.000        | 0.000               |
| 16:00 - 17:00 | 16        | 25          | 0.000        | 0.000               | 16         | 25          | 0.000        | 0.000               | 16        | 25          | 0.000        | 0.000               |
| 17:00 - 18:00 | 16        | 25          | 0.005        | 0.099               | 16         | 25          | 0.005        | 0.099               | 16        | 25          | 0.010        | 0.198               |
| 18:00 - 19:00 | 16        | 25          | 0.000        | 0.000               | 16         | 25          | 0.000        | 0.000               | 16        | 25          | 0.000        | 0.000               |
| 19:00 - 20:00 |           |             |              |                     |            |             |              |                     |           |             |              |                     |
| 20:00 - 21:00 |           |             |              |                     |            |             |              |                     |           |             |              |                     |
| 21:00 - 22:00 |           |             |              |                     |            |             |              |                     |           |             |              |                     |
| 22:00 - 23:00 |           |             |              |                     |            |             |              |                     |           |             |              |                     |
| 23:00 - 24:00 |           |             |              |                     |            |             |              |                     |           |             |              |                     |
| Total Rates:  |           |             | 0.026        | 0.543               |            |             | 0.029        | 0.592               |           |             | 0.055        | 1.135               |

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

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



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