Shepherd Gilmour Infrastructure Ltd

Potato Wharf, Manchester

Transport Statement and Framework Travel Plan

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1.0 INTRODUCTION

1.1 Shepherd Gilmour Infrastructure Ltd. have been commissioned by Lend Lease Residential (North West) Ltd to provide highways and transport advice and prepare a Transport Statement (TS) to support a planning application for 191 apartment dwellings in two blocks on land on Potato Wharf to the south west of Manchester city centre. The indicative site master plan is included in **Appendix A**.

1.2 This TS has been prepared in accordance with the National Planning Policy Framework (NPPF) and The Guidance on Transport Assessments 2007, issued by DFT. Although the latter document has been withdrawn, the methodology and guidance are still relevant. This report considers the transport and highways implications associated with the proposals and is structured as follows:

Chapter 1: Introduction
Chapter 2: Existing Conditions
Chapter 3: Development Proposals
Chapter 4: Traffic Generation and Impact
Chapter 5: Conclusions

1.3 The National Planning Policy Framework (NPPF) (March 2012) confirms that:

"developments should be located and designed where practical to;

- *accommodate the efficient delivery of goods and supplies;*
- *give priority to pedestrian and cycle movements, and have access to high quality public transport facilities;*
- *create safe and secure layouts which minimise conflicts between traffic and cyclists or pedestrians, avoiding street clutter and where appropriate establishing home zones;*
- *incorporate facilities for charging plug-in and other ultra-low emission vehicles; and,*
- *consider the needs of people with disabilities by all modes of transport.*

1.4 It goes onto say;

> *All developments that generate significant amounts of movement should be supported by a Transport Statement or Transport Assessment. Plans and decisions should take account of whether:*
>
> - *the opportunities for sustainable transport modes have been taken up depending on the nature and location of the site, to reduce the need for major transport infrastructure;*
> - *safe and suitable access to the site can be achieved for all people; and*
> - *improvements can be undertaken within the transport network that cost effectively limit the significant impacts of the development. Development should only be prevented or refused on transport grounds where the residual cumulative impacts of development are severe.*

1.5 A review of personal injury accident data has been undertaken which confirms that there are no existing road safety concerns that would be exacerbated by the impact of the development proposals.

1.6 The site is in an accessible location and within easy walking distance of a range of local services including local stores, schools etc. It is located within close proximity to bus stops which provide services to, the local railway station, town services and more. The railway station provides services to Liverpool, Preston, Blackpool, and other local destinations.

1.7 It is proposed that the site be served from Potato Wharf at the north western site boundary.

1.8 Overall the proposed development provides suitable and safe access for all road users.

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2.0 EXISTING CONDITIONS

2.1 Site Location

2.1.1 The site is located in between the River Medlock and the Bridgewater Canal in city centre area of Manchester. The proposed site is bound by Potato Wharf to the West and Bridgewater Canal to the east and south. The southern boundary is also the local railway/Cornbrook Metro line between Deansgate Station, and Manchester United FC Station. The A57 marks the western boundary, however this can only be accessed directly via a shared cycle and pedestrian walkway.

2.1.2 At present the site is currently used for a concrete batching plant which will be demolished to accommodate the proposals.

2.1.3 Due to the location of the site and its proximity to Manchester city centre, the immediate surrounding land is predominantly built up and urbanised. The location of the proposed development is shown on **Figure 1**.

2.2 Local and Wider Road Network

2.2.1 Potato Wharf is a single carriageway access road with a cobbled surfacing passed the site and extends from A6143 Liverpool Road to the north east of the site. The road is a no through route with double yellow lines on both sides of the road. There are footways on either side and street lighting is present.

2.2.2 Potato Wharf is also accessed via New Elm Road which extends south from Water Street. Water Street links with the A6143 Liverpool Road via a traffic signal T-junction.

2.2.3 The A6143 provides access to the A56 to the east for direct access to the city centre. To the west the A57 can be accessed via the A6042 linking the M602 to the west of Manchester for the strategic road network.

2.2.4 The nearest bus stop is located on the Water Street around 280m north of the site at the junction with New Elm Road. There are continuous footways linking the site

to the stop which operates the 33 and 63 services. The next closest stop to the site with differing services is 600m east of the site at the crossroads of Liverpool Road and Barton Street Oldfield Road, providing access to the Metro Shuttle 2 service.

2.2.5 Cycle lanes are available on both the A57, Potato Wharf and Water Street. National Cycle Route 6 (NCR6) connects through the city, its closest point to the site being Liverpool Road, 300m east of the site access. NCR6 passes through Watford, Luton, Milton Keynes, Northampton, Market Harborough, Leicester, Derby, Nottingham, Worksop, Sheffield, Manchester, Blackburn, Preston, Lancaster, Kendal and Windermere, and will connect London and Threlkeld (nr. Keswick) in Cumbria when complete. Potato Wharf itself is part of the local cycling route, and extends in various directions from the proposed development.

2.3 Local Traffic Patterns

2.3.1 Traffic data was obtained on Water Street for a 7 day period from Tuesday 2nd June 2015 to Monday 8th June 2015. The data are shown in full in **Appendix B.** A summary is shown in **Table 1.**

Table 1 – Traffic Flow on Water Street

Direction	AM Peak (08:00-09:00)	PM Peak (17:00-18:00)	24 Hr
Northbound	249	110	2,692
Southbound	178	493	4,225
Totals	427	603	6,917

2.3.2 Traffic data is also available for Liverpool Road during peak periods and over a 12 hour period. The full data is included in **Appendix B** and a summary shown in **Table 2**.

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Table 2 – Traffic Flow on Liverpool Road

Direction	AM Peak (08:00-09:00)	PM Peak (17:00-18:00)	12 Hr
Northbound	140	499	2,060
Southbound	217	172	1,401
Totals	357	671	3,461

2.4 Personal Injury Collision Data

2.4.1 Personal Injury Collision (PIC) data has been obtained from Transport for Greater Manchester for the most recent five year period from 01/02/2010 to 31/01/2015. The PIC output plan is attached as **Appendix C**, and shows the area which was investigated. In total, there has been one accident on New Elm Road, Potato Wharf, and the area of Water Street within close proximity to the junction with New Elm Road.

2.4.2 The accident occurred when a vehicle was turning left from New Elm Road onto Water Street. The driver failed to properly check for oncoming traffic and collided with a car already on the carriageway. It is not considered that any mitigation measures are required relating to road safety. There are no existing road safety concerns that would be exacerbated as a result of the development proposals.

2.5 Walking and Cycling

2.5.1 The site benefits from good pedestrian and cycle links. The majority of local roads are well lit and have a maximum speed restriction of 20-30mph. The majority of pedestrian crossing points have dropped kerbs with tactile paving.

2.5.2 Potato Wharf forms part of a local cycling route and therefore has excellent cycling links around the local community. National Cycle Route 6 (NCR6) connects through the city, its closest point to the site being the A34 Bridge, 300m northeast of the site access on Liverpool Road. NCR6 passes through Watford, Luton, Milton Keynes, Northampton, Market Harborough, Leicester, Derby, Nottingham, Worksop, Sheffield, Manchester, Blackburn, Preston, Lancaster, Kendal and Windermere, and will connect London and Threlkeld (nr. Keswick) in Cumbria when complete. Many local cycle routes are within shorter cycling distance of the proposed development.

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2.6 Local Amenities

Essential Facilities

2.6.1 A large Sainsbury's is located 700m west of the site off Quay Street. There is also a Waitrose located 1.1km to the north east on Dolefield. There is a Boots Pharmacy 600m north west. The site is also very well located in terms of access to local public houses and eateries. Sapporo Teppanyaki Restaurant 400m to the East on Liverpool Road is the first of a host of restaurants and bars in the area.

2.6.2 A local Medical Practice is located on St John Street, 800m north east of the site, accompanied by a dental practice.

2.6.3 Hulme United Reformed Church is located off Tatton Street, 850m to the south of the Street. New Hope Fellowship Church is also located on this street, 100m west of here.

2.6.4 Residents of the development can access the city centre via the established pedestrian/cycle path network that provides an unbroken link from the site, or from the bus stops located 290m to the North of the site on the junction of Water Street and New Elm Road.

2.6.5 Some of the local facilities in the vicinity of the site are shown in **Figure 1**.

Employment

2.6.6 Being so close to the City Centre, much employment can typically be sourced here in the form of retail, hospitality and various business centres among others. Trafford Park is Europe's largest industrial estate, and is located 5.2km west of the site.

2.6.7 The 2011 Census Journey to Work data has been interrogated to find local travel patterns with regards to journey to work. The site itself falls within the 'Manchester 060' Middle Super Output Area (MSOA). The 2011 Census data suggests that of those who live in the 'Manchester 060' Middle Super Output Area, 47.5% (the largest share) walk, 14.9% use public transport, and 28.6% drive a car to work. **Table 3** summarises the mode share for the 'Manchester 060' MSOA.

Table 3 – Travel to Work Modal Share

Mode	Share
On Foot	47.5%
Driving a Car or Van	28.6%
Train	6.1%
Bus, Minibus or Coach	4.9%
Work Mainly at or From Home	4.2%
Underground, Metro, Light Rail, Tram	3.9%
Other Method of Travel to Work	4.9%

2.7 Public Transport Provision

Bus

2.7.1 The site is excellently located in terms of links to public transport. The nearest bus stop is located on the Water Street, 250m north of the site, immediately west of the Water Street/New Elm Road priority junction. There are continuous footways linking the site to the stop which operates the 84, 255 and X50 Services. A summary of the bus frequencies is set out in **Table 4** and the bus stops are shown on **Figure 1**.

Table 4 – Bus Services and Frequencies

Service	Route	Frequency	
		Monday-Saturday	Sunday
33	Wigan - Atherton - Worsley - Eccles - Manchester	15 minutes	30 minutes
63	Worsley — Eccles — Manchester	15 mins	15 mins

Metro

2.7.2 Deansgate-Castlefield Metro Station is the nearest station to the site located approximately 1km to the east of the site off Whitworth Street West. The Station connects every metro link in Manchester with the exception of the two blue lines (Bury to Etihad Campus & Manchester Airport - Cornbrook). The metro is the fastest way in and out of the city centre, and provides links to local train stations. A summary of the service frequencies is set out in **Table 5**.

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Table 5 – Metro Services and Frequencies

Route	Monday - Thursday	Friday	Saturday	Sunday & Bank Holidays
Altrincham to Piccadilly	12 minute frequency between	12 minute frequency between	12 minute frequency between	12 minute frequency between 09:30 and 17:30
Altrincham to Bury	Double trams operating a 12 minute frequency between	Double trams operating a 12 minute frequency between	Operating a 12 minute frequency between	No service
East Didsbury to Rochdale Town Centre via Victoria	12 minute frequency between	12 minute frequency between	12 minute frequency between	12 minute frequency between 09:30 and 17:30
Eccles to	12 minute frequency between	12 minute frequency between	12 minute frequency between	12 minute frequency between
MediaCityUK to Piccadilly	12 minute frequency between	12 minute frequency between	12 minute frequency between	No service

Rail

2.7.3 Deansgate Railway Station is the nearest station to the site located approximately 1km to the east of the site on Whitworth Street West. The Station provides services to Liverpool, Preston, Southport, and other local destinations. Some national routes are available through connections from local stations, namely Manchester Piccadilly.

2.7.4 In accessibility terms, it is considered that the site is well placed to access the rail station by cycling, bus and metro. A summary of the service frequencies is set out in **Table 6**.

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Table 6 – Train Services and Frequencies

Route	Frequency
Preston (Lancs)	45 mins
Hazel Grove	1 hour
Liverpool Lime Street	28 mins
Southport	1 hour
Manchester Airport	20-40 mins
Manchester Oxford Road	1-15 mins
Blackpool North	1 hour

2.8 Accessibility

2.8.1 Manchester has good access to public transport (metro, bus and rail), foot and cycle links to adjacent communities and good road links to the principle road network. The need to travel however is significantly reduced by the facilities already available within the sites immediate vicinity.

2.8.2 The site is well located with respect to accessing education. Perhaps more than any other category, the journey to school shows a high degree of sensitivity between distance and mode share. The proximity of both primary and secondary schools to the site should afford residents and their children the flexibility and independence to travel to and from school with reduced reliance on the private car.

2.8.3 Retail, health and leisure accessibility has been considered. Accessibility by all modes is very good and a convenient supermarket, doctors and dentist surgeries within walking distance of the site.

2.8.4 Overall given the good locational benefits of the site, it is concluded that the development of the site is in full accordance with the transport policy objectives.

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3.0 DEVELOPMENT PROPOSALS

3.1 The application seeks permission for 191 apartments in two separate blocks. The proposals are an extension of blocks 1 and 2 which are already built and are located adjacent to the proposed site. Block 3 will provide 112 apartments and block 4 will provide 79 apartments. The site layout plan is included in **Appendix A**.

3.2 Car parking and cycle parking provision have been reviewed in accordance with Greater Manchester Car Parking Standards. There are no maximum standards for residential developments, however there is a recommendation to provide an average of 1.5 spaces per dwelling. This equates to 287 spaces. Given the development consists primarily of flats, and in close proximity to public transport services and local amenities and the city centre, it is unlikely that all residents will own a car. This is demonstrated in the relatively low car usage from the Census data highlighted in **Table 3**, which shows that approximately 29% of residents drive to work.

3.3 Furthermore, car ownership data have been reviewed from the 2011 Census for the site ward 'Hulme'. The site is located on the edge of this ward and this area represents a reasonable comparison for car ownership levels outside of the City Centre. This shows that for 1, 2 and 3 bed apartments around 57% of residents have no car with around 37% having 1 car and around 5% having two or more cars. For the proposed development this would equate to the need for around 90 spaces. The proposed provision of 121 spaces in the main car park would include an allowance for visitor spaces and is therefore considered to be an appropriate level of parking for the site.

3.4 Cycle parking standards are defined as minimum levels of 1 secure space per 5 dwellings, equating to 38 spaces as a minimum. For the development 120 cycle spaces will be provided. In addition, 5 motorcycle spaces will be provided.

3.5 The site layout has been tracked with a large refuse vehicle which shows the vehicle can turn within the proposed turning head provided on Potato Wharf. The tracking plan is included in **Figure 2**.

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4.0 TRAFFIC GENERATION AND IMPACT

4.1 Proposed Traffic Generation

4.1.1 To assess the potential traffic movements from the development the TRICS database was interrogated (TRICS 2015 v7.1.3 on line). This database contains surveys of the vehicle and multimodal trip generation of a wide variety of sites which are classified by land use and various other attributes.

4.1.2 The database was interrogated for vehicle surveys of private Flats, with sites in London, Scotland and Ireland manually excluded. The resulting TRICS printouts are attached at **Appendix D** for both total vehicle and person trips. The trip rates for the proposed development are summarised in **Table 7**.

Table 7 – TRICS assessment for 'Private Flats'

Time Range	Vehicle			Person		
	Arrivals	Departures	Totals	Arrivals	Departures	Totals
08:00-09:00	0.057	0.176	0.233	0.096	0.442	0.538
17:00-18:00	0.139	0.071	0.21	0.451	0.185	0.636
Daily Trip Rates:	0.924	0.988	1.912	2.465	2.612	5.077

4.1.3 A summary of the total development generated vehicle and person trips relating to the proposed use is given in **Table 8**.

Table 8 – Trip Generation for 191 Private Flats

Time Range	Vehicle			Person		
	Arrivals	Departures	Totals	Arrivals	Departures	Totals
08:00-09:00	11	34	45	18	84	103
17:00-18:00	27	14	40	86	35	121
Daily Trip Rates:	176	189	365	471	499	970

4.1.4 The total vehicular trip generation of the site is forecast to be 45 movements in the AM peak period and 40 movements in the PM peak period. Over a typical day, the site is forecast to generate 365 movements.

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4.2 Net Site Traffic Generation

4.2.1 The consented traffic generation on site associated with the concrete batching plant is forecast to be 28 PCUs during the peak hour. Taking the maximum forecast trip generation for 191 flats, the net increase in traffic generation for the proposed site is 17 PCUs an hour.

4.2.2 Over a typical day, the concrete batching site generated 150 PCUs. The proposed use is forecast to generate 365 PCUs on the basis there will be no heavy goods vehicles. The net increase in PCUs over a typical day will be 215 movements.

4.3 Trip Distribution

4.3.1 The main routes into the site are via Water Street and Liverpool Road. It is assumed that Manchester bound trips will route via Liverpool Road. For access to destinations elsewhere it is assumed that traffic will use Water Street to gain direct access onto the A6042.

4.3.2 In assessing the traffic impact, it is assumed that all traffic could route via Liverpool Road or Water Street to access the site, however in reality there will be a split of traffic on each link. This assessment is therefore robust.

4.3.3 In terms of the net peak hour traffic generation, this equates to 17 PCUs in each peak period which will be split via Water Street and Liverpool Road. This level of increase is not significant and will not result in a material impact in terms of junction operation.

4.4 Overall Traffic Impact

4.4.1 Daily base traffic flows for Water Street within the immediate vicinity of the site are available. The AADT (Annual Average Daily Traffic) flow for both directions on Water Street is 6,917 vehicles on this link. Taking into account HGVs this equates to 7,159 PCUs a day. The base traffic includes the traffic associated with the concrete batching plant.

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4.4.2 In terms of a percentage increase in PCUs, as a worst case the development would result in a 5.0% increase in traffic on Water Street. This is assuming all traffic uses Water Street and no allowance is deducted for the concrete batching plant. This is well within daily fluctuations in traffic levels which vary by at least 10% on Water Street.

4.4.3 12 hour flows on Liverpool Road are 3,620 PCUs a day. Taking a factor of flows on Water Street, this equates to 4,851 PCUs a day. In terms of percentage increase for development traffic this equates to around a 7.5% increase as a worst case assuming all traffic uses Liverpool Road. This is still well within the daily variation of traffic flows on the network.

4.4.4 On this basis, no operational junction assessment is deemed necessary.

4.4.5 In accordance with paragraph 32 in NPPF, the overall impact of the development will not be 'severe'.

5.0 TRAVEL PLAN

5.1 Introduction

5.1.1 A Residential Travel Plan (RTP) is designed to reduce car use originating from new housing developments by supporting alternative forms of transport reducing the need to travel in the first place. The Travel Plan will be an important tool to help deliver accessible and sustainable communities and involve meeting the access needs of residents in a sustainable way.

5.1.2 The RTP for this development will specify the measures to be implemented before development and occupation. It will include draft targets for the share of different transport modes and an implementation plan will be developed to assist the production of a Full RTP once the proposed site is occupied. A Travel Plan can bring a number of benefits, which includes the following:

- Residents can enjoy improved health, less stress, a better quality of life, cost and time savings and a greater travel choice;
- The development would see a reduced demand for car parking, with less congestion and better access for residents and visitors;

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- The local community will welcome the reduced traffic congestion and shorter journey times; and
- The environment will benefit from improved air quality, less noise and dirt, and a reduced impact of wider environmental problems such as global warming.

5.1.3 The implementation of the measures contained within the RTP will be the responsibility of the developer and those eventually occupying the development. A Travel Plan Co-ordinator will undertake the monitoring of the effectiveness of the Travel Plan. A progress report will be undertaken on a regular basis and will look at the results of target setting, implementation, monitoring and review. The report will include details of performance measured against the targets set. Where it has been identified that the targets are not being achieved, measures will be identified in order to make an improvement.

5.2 Objectives

5.2.1 The overarching objective of the Framework Travel Plan is to provide a template for the development of future Travel Plans. There are 4 main objectives for this Framework Travel Plan as follows:

1. To facilitate at design stage, the accessibility of the site by sustainable modes of transport.

2. To ensure that all staff, residents, users and visitors to the site are aware of the travel choices available and are encouraged to use sustainable modes of transport when accessing the site.

3. To enable the development to protect and enhance the environment.

4. To address specific issues identified within the sites Transport Statement by influencing the design process and implementing mechanisms that ensures that the choices of sustainable modes are an attractive and easy option. Furthermore the Travel Plan to be developed will contribute to meeting the range of objectives contained within the transport policy reviewed earlier.

5.3 Proposed Measures

5.3.1 The emphasis within the detailed travel plan will be to maximise the opportunities that the physical development proposals and the excellent sustainable transport accessibility offer. It is essential that all tenants receive a travel pack detailing all the

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travel options not only within Manchester but also how they access the site from coach/rail stations, prior to their first visit, as this will set the tone. The travel pack will contain:

- Timetables , local and national plans showing locations of all local employment places, shopping areas, doctor's surgeries, hospitals and leisure facilities.
- High quality walking and cycle maps to key destinations including universities, rail and tram station, bus and coach station etc; - How to get here guides from the rail, tram, bus and coach station;
- A Plan which shows appropriate footways/ cycle ways within the Manchester area;
- Information on cycle and walk buddie schemes (through www.letstravelwise.org);
- Information on discounts at local cycle and clothing stores
- Information on car share schemes and local car clubs. The primary purpose of the pack will be to encourage and educate residents to be more sustainable in their choice of transport and to reduce the reliance on the car for home based trips.

5.3.2 A detailed table of other possible RTP measures to be considered as part of the development is provided in **Table 9** below.

Table 9 - Residential Travel Plan Measures

Reducing the Need to Travel	
Home working	Installation of facilities to promote home working – multi-purpose room with internet access, a number of power points, etc.
Home deliveries	Work in partnership with local supermarkets to promote and co-ordinate home deliveries.
Home deliveries	Provide information on local facilities such as doctors, dentists, grocery outlets, schools, parks include walk/cycle times to each, where appropriate sign.
Improving Travel Choice	
Travel Voucher	Provide a sum of money for each unit to be spent on sustainable travel options from a standard shopping list.
Cycling	Produce site specific cycle route maps to key destinations.

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	Provide secure covered on site storage for residents.
	Provide information on the local cycle routes, local cycle shops, cycling organisations, cycle training both adult and child.
	Produce site specific walking route maps to key destinations.
	Secure discount at cycle shops.
	Initiate Cycle buddy scheme.
Walking	Standard provision of umbrellas/personal attack alarms
	Provide Site Specific route maps showing PT stops and timetable information and update accordingly.
	Secure discount at outdoor wear retailers.
	Initiate walking buddy scheme
Public Transport	Provide initial free (weekly/monthly) ticket on occupation
Car Share	Set up/sign up to car share database and promote.
Selling the Message	
Marketing and Promotion	Implement ongoing promotion and marketing strategy
	Provide walking route maps to key destinations.
	Provide all relevant travel information at point of sale/within marketing suite; this will be branded in the same style as the travel plan.
Partnership working Promotion and marketing	Provide all relevant travel information within application pack, prior to the residence being occupied; include how to get here guides from transport interchanges (rail, tram stations, bus and coach stations). Annually and updated accordingly.
	Include relevant travel information within a welcome pack.

5.4 Targets and Monitoring

5.4.1 The Residential Travel Plan should include targets, monitoring and management arrangements to ensure that the objectives of the travel plan are achieved and that it remains sustainable over a long time.

- Car trips – Targets will be set to try and reduce the number of vehicles travelling to the site.
- Uptake of alternatives – targets for bus travel, cycling, walking and car sharing
- Travel plan awareness targets – a target can be established to ensure a significant percentage of residents are aware of the travel plan and its purpose.

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5.5 Marketing, Promotion and Awareness Raising

5.5.1 Promotion, marketing and raising awareness is necessary to ensure adequate take-up of these services and to communicate the travel plan to residents and visitors alike. The design of the site and provision of key facilities and services outlined above will make it feasible for all users and visitors to make more sustainable travel choices. However, it is also essential that these options are effectively marketed and promoted to those travelling to and from the site. This will be in the form of a Travel Plan Pack which will include information on local public transport, sustainable modes of travel and key services that are provided by Manchester City Council and Transport for Greater Manchester (TfGM). Once ownership of the unit has taken place, one Travel Plan pack will be issued to the new occupants of the apartment. A Travel Plan Co-ordinator will be nominated and contact details provided to TfGM once the individual/s have been identified. The Travel Plan Co-ordinator will establish and co-ordinate steering Groups and Work groups, whilst designing and implementing an effective marketing and awareness campaign for the residents of the development site.

5.6 Monitoring

5.6.1 Monitoring is central to ensuring the aims; objectives and targets of the travel plan are delivered. The Travel Plan will be monitored as a whole and on each individual initiative. The monitoring will be the responsibility of the Travel Plan Co-ordinator. It is envisaged that monitoring of the travel plan will take place annually to provide ongoing information on the impact of the plan.

5.7 Report Structure

5.7.1 The Final Residential Travel Plan will comprise of the following reporting structure:

Chapter 1 Introduction
Chapter 2 Site Description and Existing Conditions
Chapter 3 Accessibility by Sustainable Modes
Chapter 4 Travel Plan Objectives
Chapter 5 Proposed Measures and Implementation
Chapter 6 Targets and Monitoring
Chapter 7 Conclusion

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6.0 CONCLUSION

6.1 This Transport Assessment has reviewed the highways and transport implications of providing up to 191 residential apartments on land at Potato Wharf, Manchester.

6.2 The proposed site is located in an accessible location close to amenities and facilities within Manchester and to the local bus stops, metro stops and railway station. The main roads running through the area have walking provision and access to bus services.

6.3 Vehicular site access will be provided via Potato Wharf. The site is currently occupied by a concrete batching plant which is to be demolished.

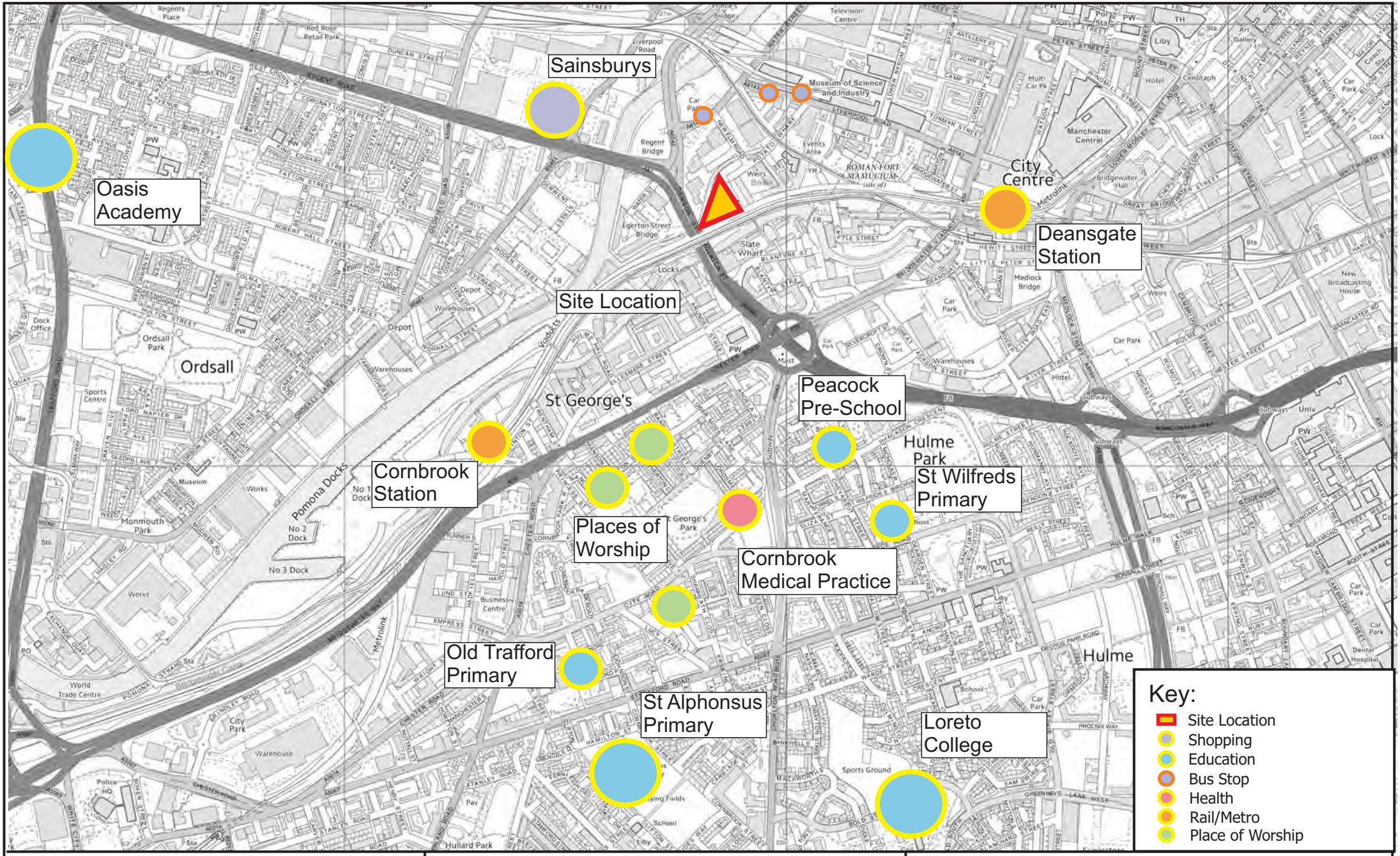
6.4 The traffic generation has been estimated using sites within the TRICS database and distributed onto the local network. The forecast generation is around 40-45 trips during the peak period.

6.5 The impact of the proposals on the local road network will not be material and there are no off site highway works required.

6.6 Overall, suitable access to the site can be achieved and that the impact on the local roads will not be severe in accordance with NPPF paragraph 32.

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FIGURE 1



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Notes:

Figure 1
Drawing Title: Site Location Plan
Job Title: Potato Wharf
Client: Shepherd Gilmour

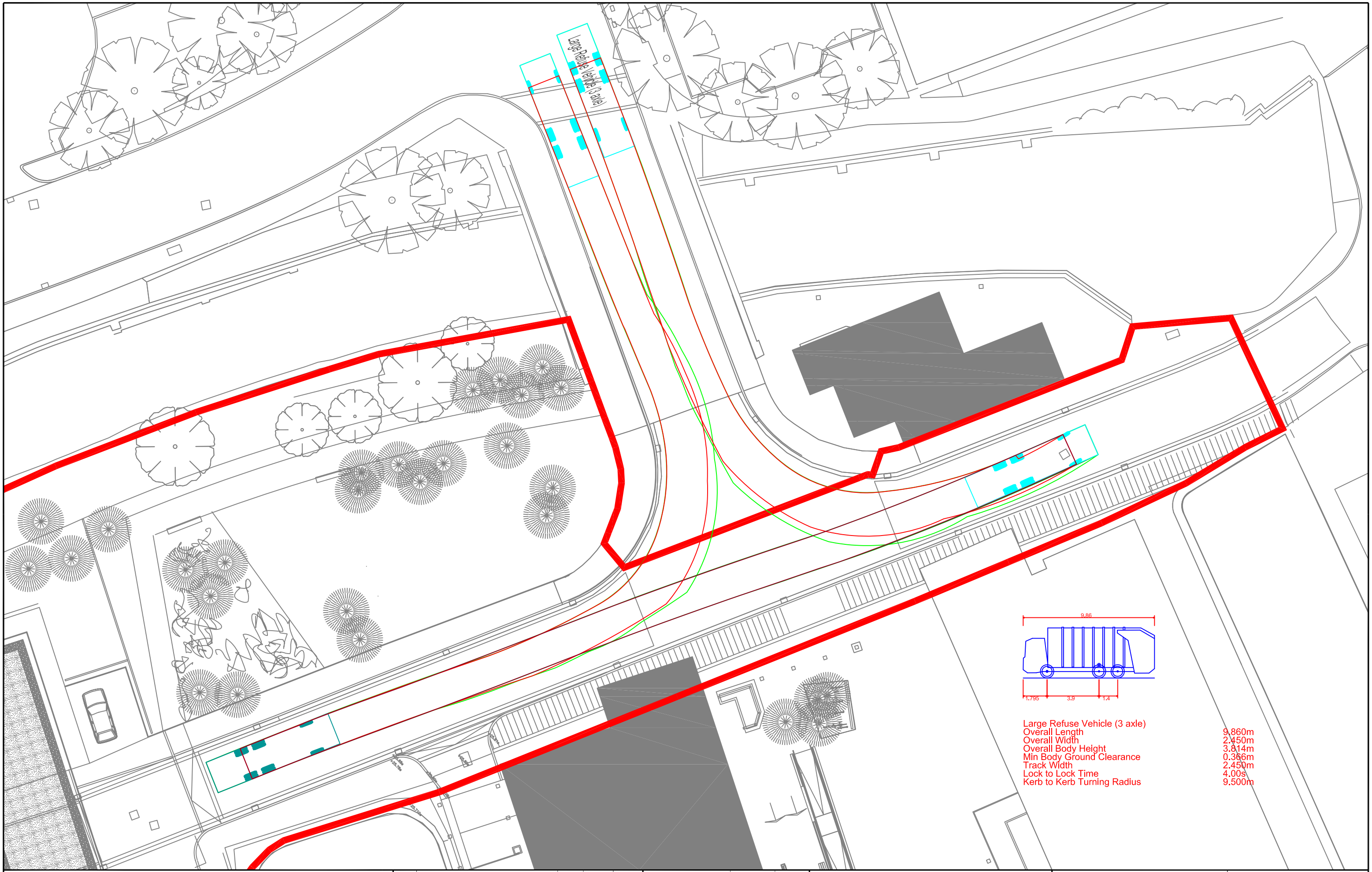
Scale : NTS

NORTH

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FIGURE 2



Large Refuse Vehicle (3 axle)

Overall Length	9.860m
Overall Width	2.450m
Overall Body Height	3.814m
Min Body Ground Clearance	0.366m
Track Width	2.450m
Lock to Lock Time	4.00s
Kerb to Kerb Turning Radius	9.500m

Based upon the ORDNANCE SURVEY MAPS with the permission of
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REV	DESCRIPTION	DRAWN	INITIALS	DATE

DRAWING STATUS	CHECKED BY	DATE

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Tel: +44(0)1564 793598
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www.dtatransportation.co.uk

JOB TITLE	CLIENT
Potato Wharf, Manchester	Lend Lease Residential

DRAWING TITLE

Vehicle Tracking Plan

SCALE	DRAWN BY	DATE	DRAWING No	REVISION
1:250@A3	JS	June 2015	17152–02	A

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APPENDIX A

Contract	POTATO WHARF	Drawing No	Rev	Scale	Checked
		C1114-106	A	1/500	
Title	MASTERPLAN		Date	Drawn	Approved
			29.05.2015	DR	

SHEPHERD•GILMOUR
Infrastructure Limited

NQA ISO 9001 REGISTERED COMPANY

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APPENDIX B

18910		MANCHESTER JUNE 2015							
Site	**Location**	**Direction**	**Start Date**	**End Date**	**Posted Speed Limit (PSL)**	**Total Vehicles**	**5 Day Ave.**	**7 Day Ave.**	**Average 85%ile Speed**
Site No: 18910001	Water Street, Manchester (Direction Sign) SJ 82866 97835	Channel: Northbound	Tue 02-Jun-15	Mon 08-Jun-15	30	18997	2692	2714	29.8
		Channel: Southbound	Tue 02-Jun-15	Mon 08-Jun-15		27637	4225	3948	29.5

18910	MANCHESTER JUNE 2015					
Site	**Location**	**Direction**	**Start Date**	**End Date**	**Posted Speed Limit (PSL)**	**Average Mean Speed**
Site No: 18910001	Water Street, Manchester (Direction Sign) SJ 82866 97835	Channel: Northbound	Tue 02-Jun-15	Mon 08-Jun-15	30	23.5
		Channel: Southbound	Tue 02-Jun-15	Mon 08-Jun-15		24.3

18910	MANCHESTER	Site No: 18910001	Location	Water Street, Manchester (Direction Sign)
Tue 02-Jun-15 to Mon 08-Jun-15		Channel: Northbound		

TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Tue 02-Jun-15											
00:00	**30**	0	0.0	26	86.7	4	13.3	0	0.0	0	0.0
01:00	**18**	0	0.0	18	100.0	0	0.0	0	0.0	0	0.0
02:00	**8**	1	12.5	7	87.5	0	0.0	0	0.0	0	0.0
03:00	**6**	0	0.0	2	33.3	4	66.7	0	0.0	0	0.0
04:00	**7**	0	0.0	5	71.4	1	14.3	0	0.0	1	14.3
05:00	**20**	0	0.0	16	80.0	1	5.0	3	15.0	0	0.0
06:00	**108**	3	2.8	96	88.9	6	5.6	2	1.9	1	0.9
07:00	**193**	7	3.6	174	90.2	7	3.6	2	1.0	3	1.6
08:00	**242**	11	4.6	212	87.6	11	4.6	5	2.1	3	1.2
09:00	**255**	7	2.8	226	88.6	12	4.7	6	2.4	4	1.6
10:00	**174**	2	1.2	146	83.9	17	9.8	7	4.0	2	1.2
11:00	**171**	4	2.3	133	77.8	27	15.8	4	2.3	3	1.8
12:00	**177**	3	1.7	150	84.8	14	7.9	9	5.1	1	0.6
13:00	**150**	3	2.0	132	88.0	9	6.0	5	3.3	1	0.7
14:00	**123**	2	1.6	108	87.8	9	7.3	1	0.8	3	2.4
15:00	**82**	0	0.0	73	89.0	5	6.1	2	2.4	2	2.4
16:00	**102**	5	4.9	87	85.3	4	3.9	6	5.9	0	0.0
17:00	**94**	5	5.3	85	90.4	4	4.3	0	0.0	0	0.0
18:00	**133**	5	3.8	120	90.2	3	2.3	5	3.8	0	0.0
19:00	**140**	6	4.3	117	83.6	6	4.3	8	5.7	3	2.1
20:00	**80**	1	1.3	75	93.8	1	1.3	1	1.3	2	2.5
21:00	**71**	3	4.2	66	93.0	2	2.8	0	0.0	0	0.0
22:00	**60**	0	0.0	54	90.0	4	6.7	2	3.3	0	0.0
23:00	**34**	1	2.9	31	91.2	1	2.9	1	2.9	0	0.0
12H,7-19	**1896**	**54**	**2.9**	**1646**	**86.8**	**122**	**6.4**	**52**	**2.7**	**22**	**1.2**
16H,6-22	**2295**	**67**	**2.9**	**2000**	**87.2**	**137**	**6.0**	**63**	**2.8**	**28**	**1.2**
18H,6-24	**2389**	**68**	**2.9**	**2085**	**87.3**	**142**	**5.9**	**66**	**2.8**	**28**	**1.2**
24H,0-24	**2478**	**69**	**2.8**	**2159**	**87.1**	**152**	**6.1**	**69**	**2.8**	**29**	**1.2**

18910	MANCHESTER	Site No: 18910001	Location	Water Street, Manchester (Direction Sign)
Tue 02-Jun-15 to Mon 08-Jun-15		Channel: Northbound		

TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES %	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Wed 03-Jun-15											
00:00	**23**	0	0.0	22	95.7	1	4.4	0	0.0	0	0.0
01:00	**22**	0	0.0	21	95.5	1	4.6	0	0.0	0	0.0
02:00	**11**	0	0.0	9	81.8	1	9.1	1	9.1	0	0.0
03:00	**11**	0	0.0	11	100.0	0	0.0	0	0.0	0	0.0
04:00	**12**	0	0.0	11	91.7	1	8.3	0	0.0	0	0.0
05:00	**20**	0	0.0	19	95.0	0	0.0	0	0.0	1	5.0
06:00	**116**	2	1.7	97	83.6	13	11.2	3	2.6	1	0.9
07:00	**182**	9	5.0	157	86.3	10	5.5	4	2.2	2	1.1
08:00	**249**	17	6.8	216	86.8	10	4.0	5	2.0	1	0.4
09:00	**257**	6	2.3	220	85.6	15	5.8	11	4.3	5	2.0
10:00	**172**	0	0.0	155	90.1	10	5.8	6	3.5	1	0.6
11:00	**155**	3	1.9	129	83.2	11	7.1	10	6.5	2	1.3
12:00	**175**	1	0.6	156	89.1	12	6.9	5	2.9	1	0.6
13:00	**168**	3	1.8	136	81.0	14	8.3	12	7.1	3	1.8
14:00	**129**	2	1.6	103	79.8	15	11.6	5	3.9	4	3.1
15:00	**101**	2	2.0	86	85.2	9	8.9	4	4.0	0	0.0
16:00	**110**	2	1.8	101	91.8	4	3.6	2	1.8	1	0.9
17:00	**107**	8	7.5	95	88.8	2	1.9	2	1.9	0	0.0
18:00	**153**	4	2.6	140	91.5	4	2.6	4	2.6	1	0.7
19:00	**141**	5	3.6	124	87.9	7	5.0	4	2.8	1	0.7
20:00	**105**	4	3.8	91	86.7	8	7.6	2	1.9	0	0.0
21:00	**80**	3	3.8	74	92.5	2	2.5	1	1.3	0	0.0
22:00	**75**	1	1.3	67	89.3	4	5.3	2	2.7	1	1.3
23:00	**55**	0	0.0	54	98.2	0	0.0	1	1.8	0	0.0
12H,7-19	**1958**	**57**	**2.9**	**1694**	**86.5**	**116**	**5.9**	**70**	**3.6**	**21**	**1.1**
16H,6-22	**2400**	**71**	**3.0**	**2080**	**86.7**	**146**	**6.1**	**80**	**3.3**	**23**	**1.0**
18H,6-24	**2530**	**72**	**2.9**	**2201**	**87.0**	**150**	**5.9**	**83**	**3.3**	**24**	**1.0**
24H,0-24	**2629**	**72**	**2.7**	**2294**	**87.3**	**154**	**5.9**	**84**	**3.2**	**25**	**1.0**

18910	MANCHESTER	Site No: 18910001	Location	Water Street, Manchester (Direction Sign)
Tue 02-Jun-15 to Mon 08-Jun-15		Channel: Northbound		

TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES %	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Thu 04-Jun-15											
00:00	**31**	1	3.2	27	87.1	3	9.7	0	0.0	0	0.0
01:00	**32**	1	3.1	27	84.4	4	12.5	0	0.0	0	0.0
02:00	**17**	0	0.0	15	88.2	2	11.8	0	0.0	0	0.0
03:00	**12**	0	0.0	9	75.0	3	25.0	0	0.0	0	0.0
04:00	**9**	0	0.0	8	88.9	1	11.1	0	0.0	0	0.0
05:00	**25**	1	4.0	20	80.0	2	8.0	2	8.0	0	0.0
06:00	**112**	1	0.9	99	88.4	8	7.1	3	2.7	1	0.9
07:00	**199**	10	5.0	174	87.4	6	3.0	7	3.5	2	1.0
08:00	**247**	17	6.9	215	87.0	7	2.8	6	2.4	2	0.8
09:00	**237**	7	3.0	209	88.2	11	4.6	8	3.4	2	0.8
10:00	**179**	7	3.9	151	84.4	13	7.3	4	2.2	4	2.2
11:00	**161**	4	2.5	134	83.2	19	11.8	4	2.5	0	0.0
12:00	**150**	5	3.3	124	82.7	15	10.0	3	2.0	3	2.0
13:00	**155**	4	2.6	133	85.8	10	6.5	4	2.6	4	2.6
14:00	**149**	4	2.7	124	83.2	16	10.7	3	2.0	2	1.3
15:00	**117**	3	2.6	105	89.7	9	7.7	0	0.0	0	0.0
16:00	**118**	7	5.9	102	86.4	4	3.4	4	3.4	1	0.9
17:00	**95**	4	4.2	83	87.4	5	5.3	2	2.1	1	1.1
18:00	**126**	6	4.8	103	81.8	10	7.9	5	4.0	2	1.6
19:00	**168**	3	1.8	160	95.2	1	0.6	2	1.2	2	1.2
20:00	**110**	0	0.0	102	92.7	5	4.6	2	1.8	1	0.9
21:00	**88**	2	2.3	82	93.2	2	2.3	1	1.1	1	1.1
22:00	**95**	0	0.0	87	91.6	5	5.3	1	1.1	2	2.1
23:00	**67**	0	0.0	64	95.5	2	3.0	1	1.5	0	0.0
12H,7-19	**1933**	**78**	**4.0**	**1657**	**85.7**	**125**	**6.5**	**50**	**2.6**	**23**	**1.2**
16H,6-22	**2411**	**84**	**3.5**	**2100**	**87.1**	**141**	**5.9**	**58**	**2.4**	**28**	**1.2**
18H,6-24	**2573**	**84**	**3.3**	**2251**	**87.5**	**148**	**5.8**	**60**	**2.3**	**30**	**1.2**
24H,0-24	**2699**	**87**	**3.2**	**2357**	**87.3**	**163**	**6.0**	**62**	**2.3**	**30**	**1.1**

18910	MANCHESTER	Site No: 18910001	Location	Water Street, Manchester (Direction Sign)
Tue 02-Jun-15 to Mon 08-Jun-15		Channel: Northbound		

TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Fri 05-Jun-15											
00:00	**60**	1	1.7	53	88.3	5	8.3	1	1.7	0	0.0
01:00	**32**	0	0.0	27	84.4	4	12.5	1	3.1	0	0.0
02:00	**20**	0	0.0	20	100.0	0	0.0	0	0.0	0	0.0
03:00	**13**	0	0.0	11	84.6	2	15.4	0	0.0	0	0.0
04:00	**16**	0	0.0	15	93.8	1	6.3	0	0.0	0	0.0
05:00	**26**	2	7.7	21	80.8	2	7.7	1	3.9	0	0.0
06:00	**109**	4	3.7	92	84.4	10	9.2	2	1.8	1	0.9
07:00	**206**	12	5.8	175	85.0	12	5.8	7	3.4	0	0.0
08:00	**234**	12	5.1	208	88.9	9	3.9	4	1.7	1	0.4
09:00	**217**	7	3.2	186	85.7	15	6.9	5	2.3	4	1.8
10:00	**149**	6	4.0	123	82.6	11	7.4	7	4.7	2	1.3
11:00	**163**	6	3.7	133	81.6	18	11.0	5	3.1	1	0.6
12:00	**174**	5	2.9	136	78.2	23	13.2	7	4.0	3	1.7
13:00	**166**	7	4.2	132	79.5	17	10.2	6	3.6	4	2.4
14:00	**127**	10	7.9	104	81.9	8	6.3	4	3.2	1	0.8
15:00	**129**	9	7.0	104	80.6	8	6.2	6	4.7	2	1.6
16:00	**122**	6	4.9	110	90.2	1	0.8	5	4.1	0	0.0
17:00	**144**	3	2.1	129	89.6	7	4.9	3	2.1	2	1.4
18:00	**182**	4	2.2	166	91.2	6	3.3	5	2.8	1	0.6
19:00	**191**	4	2.1	177	92.7	4	2.1	4	2.1	2	1.1
20:00	**147**	3	2.0	137	93.2	5	3.4	0	0.0	2	1.4
21:00	**118**	3	2.5	110	93.2	4	3.4	1	0.9	0	0.0
22:00	**132**	1	0.8	121	91.7	6	4.6	4	3.0	0	0.0
23:00	**121**	1	0.8	115	95.0	4	3.3	1	0.8	0	0.0
12H,7-19	**2013**	**87**	**4.3**	**1706**	**84.8**	**135**	**6.7**	**64**	**3.2**	**21**	**1.0**
16H,6-22	**2578**	**101**	**3.9**	**2222**	**86.2**	**158**	**6.1**	**71**	**2.8**	**26**	**1.0**
18H,6-24	**2831**	**103**	**3.6**	**2458**	**86.8**	**168**	**5.9**	**76**	**2.7**	**26**	**0.9**
24H,0-24	**2998**	**106**	**3.5**	**2605**	**86.9**	**182**	**6.1**	**79**	**2.6**	**26**	**0.9**

18910	MANCHESTER	Site No: 18910001	Location	Water Street, Manchester (Direction Sign)
Tue 02-Jun-15 to Mon 08-Jun-15		Channel: Northbound		

TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES %	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Sat 06-Jun-15											
00:00	**117**	0	0.0	106	90.6	10	8.6	1	0.9	0	0.0
01:00	**118**	0	0.0	109	92.4	6	5.1	3	2.5	0	0.0
02:00	**88**	0	0.0	83	94.3	5	5.7	0	0.0	0	0.0
03:00	**72**	0	0.0	70	97.2	2	2.8	0	0.0	0	0.0
04:00	**32**	0	0.0	31	96.9	1	3.1	0	0.0	0	0.0
05:00	**35**	1	2.9	27	77.1	4	11.4	3	8.6	0	0.0
06:00	**41**	0	0.0	32	78.1	9	22.0	0	0.0	0	0.0
07:00	**56**	1	1.8	45	80.4	7	12.5	3	5.4	0	0.0
08:00	**100**	3	3.0	84	84.0	7	7.0	3	3.0	3	3.0
09:00	**133**	1	0.8	121	91.0	8	6.0	1	0.8	2	1.5
10:00	**177**	3	1.7	162	91.5	6	3.4	5	2.8	1	0.6
11:00	**193**	4	2.1	173	89.6	11	5.7	2	1.0	3	1.6
12:00	**184**	3	1.6	171	92.9	5	2.7	2	1.1	3	1.6
13:00	**177**	0	0.0	166	93.8	4	2.3	5	2.8	2	1.1
14:00	**160**	1	0.6	149	93.1	7	4.4	1	0.6	2	1.3
15:00	**201**	3	1.5	184	91.5	10	5.0	3	1.5	1	0.5
16:00	**183**	2	1.1	166	90.7	9	4.9	2	1.1	4	2.2
17:00	**160**	2	1.3	145	90.6	8	5.0	4	2.5	1	0.6
18:00	**207**	0	0.0	192	92.8	7	3.4	2	1.0	6	2.9
19:00	**166**	2	1.2	155	93.4	8	4.8	1	0.6	0	0.0
20:00	**103**	1	1.0	96	93.2	5	4.9	1	1.0	0	0.0
21:00	**104**	0	0.0	99	95.2	3	2.9	1	1.0	1	1.0
22:00	**155**	1	0.7	134	86.5	13	8.4	6	3.9	1	0.7
23:00	**117**	1	0.9	111	94.9	4	3.4	1	0.9	0	0.0
12H,7-19	**1931**	**23**	**1.2**	**1758**	**91.0**	**89**	**4.6**	**33**	**1.7**	**28**	**1.5**
16H,6-22	**2345**	**26**	**1.1**	**2140**	**91.3**	**114**	**4.9**	**36**	**1.5**	**29**	**1.2**
18H,6-24	**2617**	**28**	**1.1**	**2385**	**91.1**	**131**	**5.0**	**43**	**1.6**	**30**	**1.2**
24H,0-24	**3079**	**29**	**0.9**	**2811**	**91.3**	**159**	**5.2**	**50**	**1.6**	**30**	**1.0**

18910	MANCHESTER	Site No: 18910001	Location	Water Street, Manchester (Direction Sign)
Tue 02-Jun-15 to Mon 08-Jun-15		Channel: Northbound		

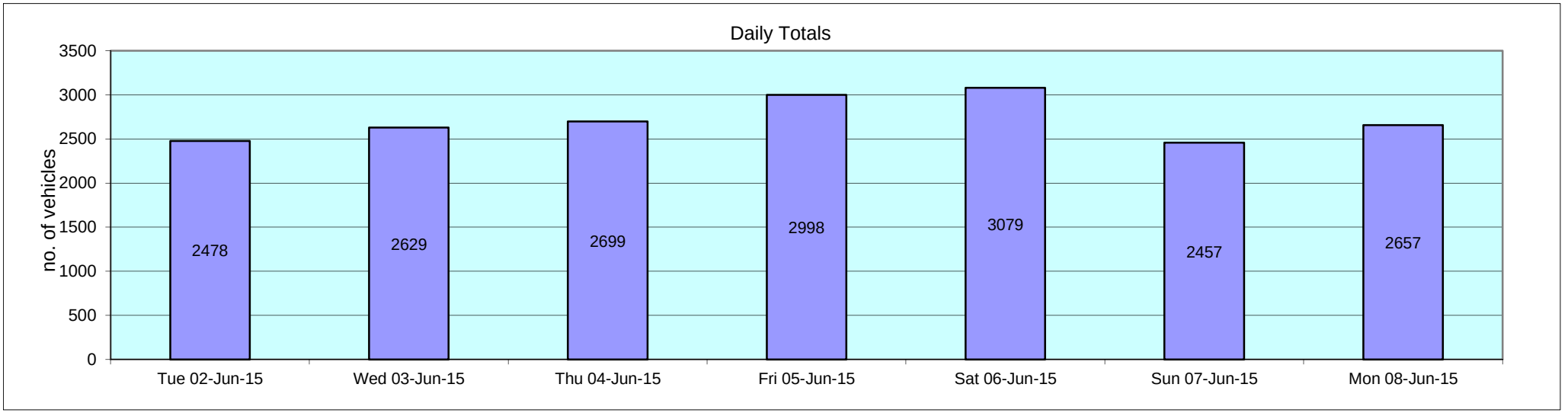
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES %	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Sun 07-Jun-15											
00:00	**147**	0	0.0	128	87.1	16	10.9	3	2.0	0	0.0
01:00	**152**	0	0.0	140	92.1	10	6.6	2	1.3	0	0.0
02:00	**145**	0	0.0	133	91.7	10	6.9	2	1.4	0	0.0
03:00	**105**	0	0.0	99	94.3	5	4.8	1	1.0	0	0.0
04:00	**55**	0	0.0	50	90.9	5	9.1	0	0.0	0	0.0
05:00	**31**	0	0.0	26	83.9	4	12.9	1	3.2	0	0.0
06:00	**39**	0	0.0	38	97.4	1	2.6	0	0.0	0	0.0
07:00	**34**	0	0.0	31	91.2	3	8.8	0	0.0	0	0.0
08:00	**48**	0	0.0	45	93.8	3	6.3	0	0.0	0	0.0
09:00	**71**	3	4.2	64	90.1	2	2.8	0	0.0	2	2.8
10:00	**105**	2	1.9	95	90.5	4	3.8	1	1.0	3	2.9
11:00	**137**	1	0.7	126	92.0	6	4.4	2	1.5	2	1.5
12:00	**182**	3	1.7	169	92.9	6	3.3	2	1.1	2	1.1
13:00	**148**	3	2.0	136	91.9	3	2.0	1	0.7	5	3.4
14:00	**142**	2	1.4	130	91.6	5	3.5	2	1.4	3	2.1
15:00	**140**	2	1.4	131	93.6	5	3.6	0	0.0	2	1.4
16:00	**144**	5	3.5	130	90.3	5	3.5	1	0.7	3	2.1
17:00	**144**	1	0.7	137	95.1	4	2.8	0	0.0	2	1.4
18:00	**112**	3	2.7	99	88.4	7	6.3	1	0.9	2	1.8
19:00	**88**	3	3.4	73	83.0	9	10.2	2	2.3	1	1.1
20:00	**78**	2	2.6	68	87.2	3	3.9	4	5.1	1	1.3
21:00	**71**	2	2.8	66	93.0	0	0.0	2	2.8	1	1.4
22:00	**63**	0	0.0	56	88.9	5	7.9	2	3.2	0	0.0
23:00	**76**	0	0.0	69	90.8	4	5.3	2	2.6	1	1.3
12H,7-19	**1407**	**25**	**1.8**	**1293**	**91.9**	**53**	**3.8**	**10**	**0.7**	**26**	**1.9**
16H,6-22	**1683**	**32**	**1.9**	**1538**	**91.4**	**66**	**3.9**	**18**	**1.1**	**29**	**1.7**
18H,6-24	**1822**	**32**	**1.8**	**1663**	**91.3**	**75**	**4.1**	**22**	**1.2**	**30**	**1.7**
24H,0-24	**2457**	**32**	**1.3**	**2239**	**91.1**	**125**	**5.1**	**31**	**1.3**	**30**	**1.2**

18910	MANCHESTER	Site No: 18910001	Location	Water Street, Manchester (Direction Sign)
Tue 02-Jun-15 to Mon 08-Jun-15		Channel: Northbound		

TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES %	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Mon 08-Jun-15											
00:00	**67**	0	0.0	61	91.0	5	7.5	1	1.5	0	0.0
01:00	**72**	0	0.0	65	90.3	5	6.9	2	2.8	0	0.0
02:00	**23**	0	0.0	21	91.3	1	4.4	1	4.4	0	0.0
03:00	**22**	0	0.0	21	95.5	1	4.6	0	0.0	0	0.0
04:00	**28**	0	0.0	25	89.3	3	10.7	0	0.0	0	0.0
05:00	**21**	1	4.8	19	90.5	0	0.0	0	0.0	1	4.8
06:00	**99**	0	0.0	88	88.9	6	6.1	5	5.1	0	0.0
07:00	**197**	8	4.1	169	85.8	10	5.1	8	4.1	2	1.0
08:00	**272**	21	7.7	232	85.3	10	3.7	8	2.9	1	0.4
09:00	**256**	15	5.9	220	85.9	16	6.3	4	1.6	1	0.4
10:00	**203**	2	1.0	172	84.7	15	7.4	7	3.5	7	3.5
11:00	**142**	7	4.9	113	79.6	16	11.3	4	2.8	2	1.4
12:00	**142**	2	1.4	120	84.5	11	7.8	8	5.6	1	0.7
13:00	**159**	4	2.5	137	86.2	12	7.6	5	3.1	1	0.6
14:00	**127**	3	2.4	110	86.6	8	6.3	3	2.4	3	2.4
15:00	**101**	1	1.0	84	83.2	12	11.9	4	4.0	0	0.0
16:00	**106**	4	3.8	86	81.1	10	9.4	5	4.7	1	0.9
17:00	**112**	1	0.9	102	91.1	6	5.4	2	1.8	1	0.9
18:00	**140**	4	2.9	125	89.3	4	2.9	4	2.9	3	2.1
19:00	**120**	1	0.8	109	90.8	7	5.8	0	0.0	3	2.5
20:00	**88**	0	0.0	83	94.3	3	3.4	1	1.1	1	1.1
21:00	**59**	2	3.4	51	86.4	2	3.4	3	5.1	1	1.7
22:00	**53**	1	1.9	49	92.5	1	1.9	1	1.9	1	1.9
23:00	**48**	4	8.3	41	85.4	2	4.2	1	2.1	0	0.0
12H,7-19	**1957**	**72**	**3.7**	**1670**	**85.3**	**130**	**6.6**	**62**	**3.2**	**23**	**1.2**
16H,6-22	**2323**	**75**	**3.2**	**2001**	**86.1**	**148**	**6.4**	**71**	**3.1**	**28**	**1.2**
18H,6-24	**2424**	**80**	**3.3**	**2091**	**86.3**	**151**	**6.2**	**73**	**3.0**	**29**	**1.2**
24H,0-24	**2657**	**81**	**3.1**	**2303**	**86.7**	**166**	**6.3**	**77**	**2.9**	**30**	**1.1**

18910	MANCHESTER	Site No: 18910001	Location	Water Street, Manchester (Direction Sign)
Tue 02-Jun-15 to Mon 08-Jun-15		Channel: Northbound		

TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES %	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Daily Totals											
Tue 02-Jun-15	**2478**	69	2.8	2159	87.1	152	6.1	69	2.8	29	1.2
Wed 03-Jun-15	**2629**	72	2.7	2294	87.3	154	5.9	84	3.2	25	1.0
Thu 04-Jun-15	**2699**	87	3.2	2357	87.3	163	6.0	62	2.3	30	1.1
Fri 05-Jun-15	**2998**	106	3.5	2605	86.9	182	6.1	79	2.6	26	0.9
Sat 06-Jun-15	**3079**	29	0.9	2811	91.3	159	5.2	50	1.6	30	1.0
Sun 07-Jun-15	**2457**	32	1.3	2239	91.1	125	5.1	31	1.3	30	1.2
Mon 08-Jun-15	**2657**	81	3.1	2303	86.7	166	6.3	77	2.9	30	1.1
Total Vehicles											
[--]	**18997**	476	2.5	16768	88.2	1101	5.8	452	2.4	200	1.1



18910			MANCHESTER				Site No: 18910001				Location	Water Street, Manchester (Direction Sign)					
Tue 02-Jun-15 to Mon 08-Jun-15							Channel: Northbound										
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Tue 02-Jun-15																
00:00	**30**	31.8	26	5.2	0	0	0	5	11	8	6	0	0	0	0	0
01:00	**18**	27	23.2	4.3	0	0	1	3	10	4	0	0	0	0	0	0
02:00	**8**	-	24.1	7.4	0	1	0	0	4	2	1	0	0	0	0	0
03:00	**6**	-	25.2	5.3	0	0	0	1	3	1	1	0	0	0	0	0
04:00	**7**	-	24.2	7.4	0	0	0	4	0	1	2	0	0	0	0	0
05:00	**20**	32.9	26	7.7	0	0	0	5	8	2	4	0	0	1	0	0
06:00	**108**	30.3	24.2	6.4	0	0	11	23	30	32	9	2	1	0	0	0
07:00	**193**	29.2	22.7	5.9	0	0	22	57	59	40	13	2	0	0	0	0
08:00	**242**	30.3	24.1	6.4	1	5	16	48	75	70	22	4	1	0	0	0
09:00	**255**	29.8	23.4	6.3	0	3	34	42	88	64	22	1	1	0	0	0
10:00	**174**	28.5	23.2	5.2	0	1	8	49	72	35	6	3	0	0	0	0
11:00	**171**	28.8	22.8	5.8	2	2	12	44	62	41	7	1	0	0	0	0
12:00	**177**	28.1	22.3	5.8	0	2	24	41	71	28	10	1	0	0	0	0
13:00	**150**	28.6	22.4	5.8	0	2	13	50	46	31	5	3	0	0	0	0
14:00	**123**	30.5	24.6	6.3	0	2	5	25	46	29	12	2	2	0	0	0
15:00	**82**	30.1	25	6.1	0	0	7	10	29	28	5	2	1	0	0	0
16:00	**102**	28.6	21.9	6.5	0	1	18	28	30	18	5	1	1	0	0	0
17:00	**94**	26.3	21.6	6.1	0	2	13	28	36	8	6	0	1	0	0	0
18:00	**133**	25.4	19.7	5.6	1	3	30	47	36	13	3	0	0	0	0	0
19:00	**140**	29.3	22.3	6	0	0	18	51	31	28	12	0	0	0	0	0
20:00	**80**	29.5	23.8	6	0	2	5	14	32	21	4	2	0	0	0	0
21:00	**71**	27.8	23.6	4.7	0	0	3	12	41	11	3	1	0	0	0	0
22:00	**60**	30.2	25.9	4.4	0	0	1	4	26	23	6	0	0	0	0	0
23:00	**34**	30.2	25.1	5.5	0	0	1	6	13	10	3	1	0	0	0	0
12H,7-19	**1896**	**29.2**	**22.9**	**6.1**	**4**	**23**	**202**	**469**	**650**	**405**	**116**	**20**	**7**	**0**	**0**	**0**
16H,6-22	**2295**	**29.3**	**23**	**6.1**	**4**	**25**	**239**	**569**	**784**	**497**	**144**	**25**	**8**	**0**	**0**	**0**
18H,6-24	**2389**	**29.4**	**23.1**	**6.1**	**4**	**25**	**241**	**579**	**823**	**530**	**153**	**26**	**8**	**0**	**0**	**0**
24H,0-24	**2478**	**29.4**	**23.1**	**6.1**	**4**	**26**	**242**	**597**	**859**	**548**	**167**	**26**	**8**	**1**	**0**	**0**

18910			MANCHESTER				Site No: 18910001				Location	Water Street, Manchester (Direction Sign)					
Tue 02-Jun-15 to Mon 08-Jun-15							Channel: Northbound										
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Wed 03-Jun-15																
00:00	**23**	33.1	27.6	5.5	0	0	1	0	8	8	5	1	0	0	0	0
01:00	**22**	29.5	24.6	5.1	0	0	1	3	10	6	2	0	0	0	0	0
02:00	**11**	30.3	24.9	6.5	0	0	0	3	5	1	1	1	0	0	0	0
03:00	**11**	33.9	29	4.9	0	0	0	0	4	2	5	0	0	0	0	0
04:00	**12**	29.7	26.4	3.6	0	0	0	0	6	5	1	0	0	0	0	0
05:00	**20**	34.5	28.8	6.7	0	0	0	3	3	7	5	1	1	0	0	0
06:00	**116**	29.7	23.7	6.3	0	1	9	29	39	27	7	3	1	0	0	0
07:00	**182**	30.2	23.9	6.3	0	2	19	36	55	50	17	3	0	0	0	0
08:00	**249**	29.8	22.8	6.4	0	6	31	61	68	60	23	0	0	0	0	0
09:00	**257**	31	24.2	6.9	0	5	28	46	71	68	32	5	2	0	0	0
10:00	**172**	29.3	22.8	6.1	0	4	17	45	50	45	10	1	0	0	0	0
11:00	**155**	27.8	21.9	5.6	0	0	17	59	47	23	7	2	0	0	0	0
12:00	**175**	28.6	23.5	5	0	0	11	37	78	42	5	2	0	0	0	0
13:00	**168**	29.2	23.3	5.9	0	1	15	38	67	33	10	4	0	0	0	0
14:00	**129**	28.8	23.3	5.3	0	0	12	26	55	29	6	1	0	0	0	0
15:00	**101**	29	23.8	5.2	0	0	4	24	44	22	5	2	0	0	0	0
16:00	**110**	29.2	23.3	6.2	0	0	10	29	42	19	7	2	0	1	0	0
17:00	**107**	28.6	22.4	6.1	0	2	14	26	37	22	4	2	0	0	0	0
18:00	**153**	25.8	20.9	5.3	0	0	25	58	48	18	2	2	0	0	0	0
19:00	**141**	26.7	21.8	5.7	0	5	11	45	56	16	7	1	0	0	0	0
20:00	**105**	30.2	23.2	6.7	0	4	9	26	29	25	11	1	0	0	0	0
21:00	**80**	30.8	25.2	5.5	0	0	3	12	33	20	11	1	0	0	0	0
22:00	**75**	31.6	26.1	5.4	0	0	1	9	31	21	10	3	0	0	0	0
23:00	**55**	30.5	25.4	5.7	0	0	3	6	22	17	5	2	0	0	0	0
12H,7-19	**1958**	**29.4**	**23.1**	**6**	**0**	**20**	**203**	**485**	**662**	**431**	**128**	**26**	**2**	**1**	**0**	**0**
16H,6-22	**2400**	**29.5**	**23.1**	**6.1**	**0**	**30**	**235**	**597**	**819**	**519**	**164**	**32**	**3**	**1**	**0**	**0**
18H,6-24	**2530**	**29.6**	**23.2**	**6.1**	**0**	**30**	**239**	**612**	**872**	**557**	**179**	**37**	**3**	**1**	**0**	**0**
24H,0-24	**2629**	**29.7**	**23.4**	**6.1**	**0**	**30**	**241**	**621**	**908**	**586**	**198**	**40**	**4**	**1**	**0**	**0**

18910	MANCHESTER				Site No: 18910001						Location	Water Street, Manchester (Direction Sign)				
Tue 02-Jun-15 to Mon 08-Jun-15					Channel: Northbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Thu 04-Jun-15																
00:00	**31**	30.8	25.9	7.2	0	2	0	2	12	10	3	1	1	0	0	0
01:00	**32**	31.6	25.4	5.7	0	0	1	6	11	8	6	0	0	0	0	0
02:00	**17**	29.9	25.9	4.6	0	0	0	3	4	9	1	0	0	0	0	0
03:00	**12**	34.4	29.3	5.3	0	0	0	0	4	3	4	1	0	0	0	0
04:00	**9**	-	27.9	5.4	0	0	0	1	2	3	3	0	0	0	0	0
05:00	**25**	29.4	24.7	5.2	0	1	0	2	13	7	2	0	0	0	0	0
06:00	**112**	29.5	23.1	6.4	0	3	13	20	44	21	9	2	0	0	0	0
07:00	**199**	30.1	23.5	6.3	0	3	21	40	71	41	20	3	0	0	0	0
08:00	**247**	30.5	24	6.7	1	5	19	55	71	65	23	8	0	0	0	0
09:00	**237**	32.2	25.8	6.3	0	0	14	40	60	77	40	4	2	0	0	0
10:00	**179**	29.4	23	6.1	0	4	18	41	62	39	14	1	0	0	0	0
11:00	**161**	29.6	24	5.9	0	1	10	36	58	43	10	1	2	0	0	0
12:00	**150**	29.4	23	6	0	2	14	39	51	31	12	1	0	0	0	0
13:00	**155**	29.4	23.2	6.1	0	3	15	33	55	37	10	2	0	0	0	0
14:00	**149**	30.5	24.2	6.9	0	3	11	35	41	40	13	4	1	1	0	0
15:00	**117**	30.5	25	5.5	0	0	5	16	52	29	13	1	1	0	0	0
16:00	**118**	27	22.5	4.7	0	0	9	31	56	19	3	0	0	0	0	0
17:00	**95**	29.3	23.6	5.9	0	2	10	11	42	23	6	1	0	0	0	0
18:00	**126**	25.9	21.6	5.6	0	1	19	33	55	11	6	1	0	0	0	0
19:00	**168**	28.8	22.9	5.4	0	2	9	50	64	31	12	0	0	0	0	0
20:00	**110**	30.5	25.3	5.8	0	1	1	20	44	30	9	4	1	0	0	0
21:00	**88**	29	23.3	5.9	0	3	4	20	36	19	4	2	0	0	0	0
22:00	**95**	29.9	23.7	6.1	0	0	9	22	33	21	9	0	1	0	0	0
23:00	**67**	30.2	24.5	8.6	1	0	5	16	21	16	5	1	0	0	0	2
12H,7-19	**1933**	**30.1**	**23.7**	**6.2**	**1**	**24**	**165**	**410**	**674**	**455**	**170**	**27**	**6**	**1**	**0**	**0**
16H,6-22	**2411**	**30**	**23.7**	**6.1**	**1**	**33**	**192**	**520**	**862**	**556**	**204**	**35**	**7**	**1**	**0**	**0**
18H,6-24	**2573**	**30**	**23.7**	**6.2**	**2**	**33**	**206**	**558**	**916**	**593**	**218**	**36**	**8**	**1**	**0**	**2**
24H,0-24	**2699**	**30.1**	**23.8**	**6.2**	**2**	**36**	**207**	**572**	**962**	**633**	**237**	**38**	**9**	**1**	**0**	**2**

18910			MANCHESTER				Site No: 18910001				Location	Water Street, Manchester (Direction Sign)					
Tue 02-Jun-15 to Mon 08-Jun-15							Channel: Northbound										
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Fri 05-Jun-15																
00:00	**60**	29.5	24.5	5.2	0	0	1	13	26	15	3	2	0	0	0	0
01:00	**32**	28.6	23.5	5	0	0	2	7	13	9	1	0	0	0	0	0
02:00	**20**	27.5	23.8	4.1	0	0	1	2	12	5	0	0	0	0	0	0
03:00	**13**	33.6	28.9	5	0	0	0	0	4	5	3	1	0	0	0	0
04:00	**16**	29.5	25.4	6.4	0	0	0	3	8	3	1	0	1	0	0	0
05:00	**26**	36.8	29.1	7.9	0	0	2	2	4	7	6	4	1	0	0	0
06:00	**109**	32.3	24.4	7.1	0	1	10	28	27	22	16	4	1	0	0	0
07:00	**206**	29.5	22.4	6.8	0	7	23	63	56	37	16	2	2	0	0	0
08:00	**234**	30.2	23.9	6.5	0	2	26	49	63	69	18	6	1	0	0	0
09:00	**217**	30.2	23.5	6.8	2	4	25	40	64	58	19	5	0	0	0	0
10:00	**149**	29.2	22.4	6.1	0	3	18	43	38	38	9	0	0	0	0	0
11:00	**163**	28.4	22.6	5.7	0	1	22	32	68	32	6	2	0	0	0	0
12:00	**174**	29.2	22.6	6.4	0	3	20	49	58	27	13	4	0	0	0	0
13:00	**166**	28.8	22	6.8	0	5	28	39	50	33	6	4	1	0	0	0
14:00	**127**	29.5	22.9	6.2	0	2	17	26	42	29	11	0	0	0	0	0
15:00	**129**	29.8	23.3	6.2	0	0	13	34	44	24	10	4	0	0	0	0
16:00	**122**	28	22.1	5.9	0	5	10	34	45	23	4	1	0	0	0	0
17:00	**144**	26	21	5.4	0	3	19	51	49	19	2	1	0	0	0	0
18:00	**182**	27.2	20.8	6.2	1	5	35	55	52	26	6	2	0	0	0	0
19:00	**191**	29.2	23.3	5.9	0	3	14	48	64	52	8	0	2	0	0	0
20:00	**147**	29.9	23.6	6	0	1	10	43	39	40	12	2	0	0	0	0
21:00	**118**	31.3	24.8	7.3	0	0	10	24	39	26	14	2	2	0	0	1
22:00	**132**	30.5	24.7	6.4	1	1	6	22	54	31	10	6	1	0	0	0
23:00	**121**	29.7	24.2	5.7	0	3	7	19	42	42	8	0	0	0	0	0
12H,7-19	**2013**	**29.2**	**22.5**	**6.4**	**3**	**40**	**256**	**515**	**629**	**415**	**120**	**31**	**4**	**0**	**0**	**0**
16H,6-22	**2578**	**29.5**	**22.8**	**6.4**	**3**	**45**	**300**	**658**	**798**	**555**	**170**	**39**	**9**	**0**	**0**	**1**
18H,6-24	**2831**	**29.6**	**23**	**6.4**	**4**	**49**	**313**	**699**	**894**	**628**	**188**	**45**	**10**	**0**	**0**	**1**
24H,0-24	**2998**	**29.6**	**23.1**	**6.4**	**4**	**49**	**319**	**726**	**961**	**672**	**202**	**52**	**12**	**0**	**0**	**1**

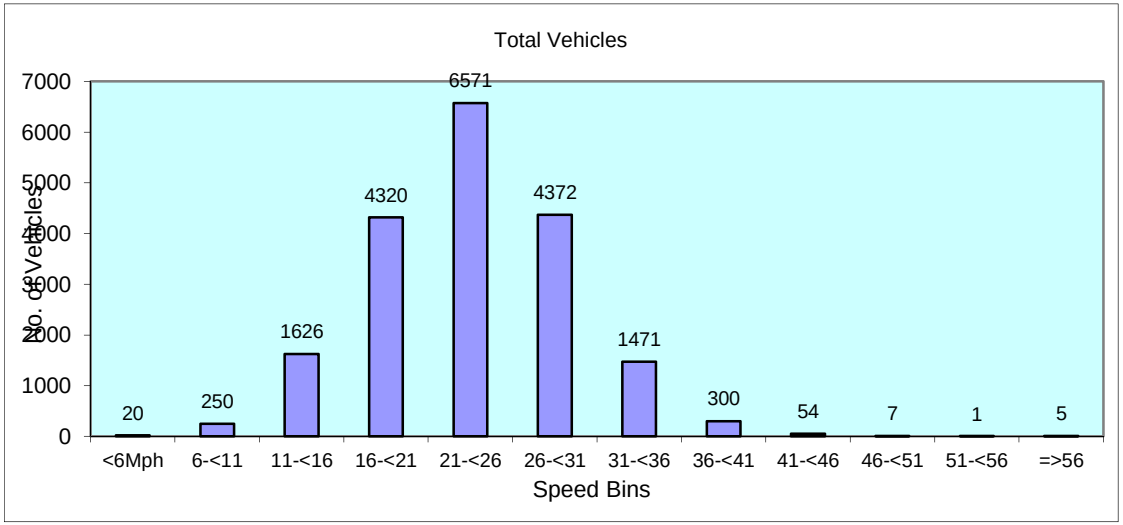
18910			MANCHESTER				Site No: 18910001				Location	Water Street, Manchester (Direction Sign)					
Tue 02-Jun-15 to Mon 08-Jun-15							Channel: Northbound										
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Sat 06-Jun-15																
00:00	**117**	30.7	24.8	5.9	0	0	8	21	39	33	14	2	0	0	0	0
01:00	**118**	30.2	24.4	5.8	0	1	3	30	39	32	10	3	0	0	0	0
02:00	**88**	29.7	25.3	4.8	0	0	0	10	48	22	5	2	1	0	0	0
03:00	**72**	30.8	26.1	5.5	0	0	3	8	22	29	8	2	0	0	0	0
04:00	**32**	34.4	28.2	6.6	0	0	1	3	7	11	7	2	1	0	0	0
05:00	**35**	30.7	25.6	5.9	0	0	0	9	9	12	3	2	0	0	0	0
06:00	**41**	30.1	24.8	6.8	0	1	0	9	17	9	3	1	0	1	0	0
07:00	**56**	33.2	27.3	6	0	0	0	8	15	21	7	4	1	0	0	0
08:00	**100**	29.9	24.7	5.4	0	1	3	16	44	26	8	2	0	0	0	0
09:00	**133**	30.3	24.5	6	0	2	6	27	46	37	11	4	0	0	0	0
10:00	**177**	29.2	23.6	6	0	3	12	36	74	39	10	1	1	1	0	0
11:00	**193**	26.5	21.4	5.5	0	6	18	67	70	24	8	0	0	0	0	0
12:00	**184**	29.1	23.2	5.6	0	3	13	44	69	44	10	1	0	0	0	0
13:00	**177**	28.6	23.2	6.7	0	0	17	45	73	29	8	3	0	0	0	2
14:00	**160**	28.7	22.5	5.8	0	4	14	45	55	32	10	0	0	0	0	0
15:00	**201**	28.9	22.2	6.3	2	3	22	62	56	43	11	2	0	0	0	0
16:00	**183**	28.7	22.6	6.3	1	2	18	54	60	37	6	3	2	0	0	0
17:00	**160**	29.8	24.5	5	0	1	5	27	67	47	13	0	0	0	0	0
18:00	**207**	29.8	23.8	5.7	0	3	14	37	87	45	20	1	0	0	0	0
19:00	**166**	30.1	25.1	5.4	0	1	7	18	72	52	13	2	1	0	0	0
20:00	**103**	30	24.1	5.8	0	0	7	23	36	26	9	2	0	0	0	0
21:00	**104**	30.2	24.2	5.6	0	0	3	27	41	20	11	2	0	0	0	0
22:00	**155**	31.5	24.8	6.6	0	4	9	29	42	45	23	3	0	0	0	0
23:00	**117**	32.2	26.3	5.9	0	0	4	17	32	42	17	5	0	0	0	0
12H,7-19	**1931**	**29.3**	**23.3**	**6**	**3**	**28**	**142**	**468**	**716**	**424**	**122**	**21**	**4**	**1**	**0**	**2**
16H,6-22	**2345**	**29.5**	**23.5**	**6**	**3**	**30**	**159**	**545**	**882**	**531**	**158**	**28**	**5**	**2**	**0**	**2**
18H,6-24	**2617**	**29.8**	**23.7**	**6**	**3**	**34**	**172**	**591**	**956**	**618**	**198**	**36**	**5**	**2**	**0**	**2**
24H,0-24	**3079**	**30**	**24**	**6**	**3**	**35**	**187**	**672**	**1120**	**757**	**245**	**49**	**7**	**2**	**0**	**2**

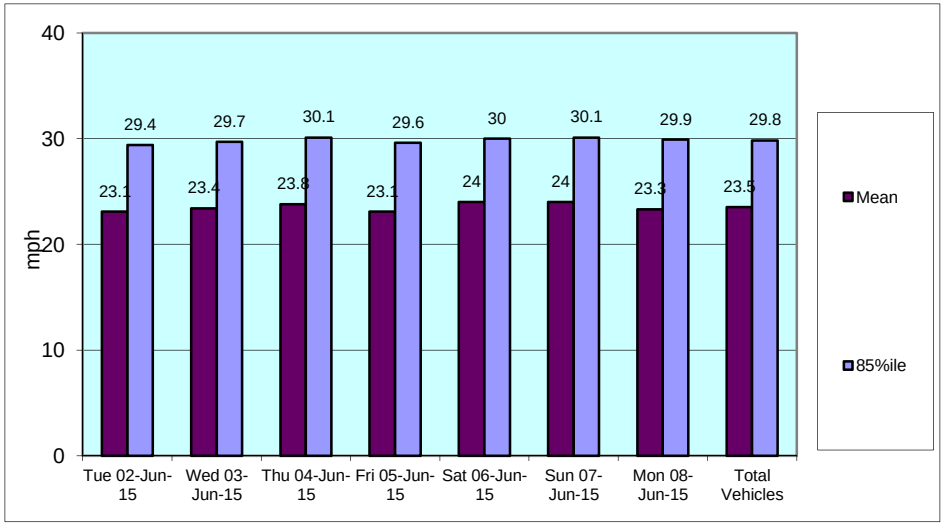
18910			MANCHESTER				Site No: 18910001				Location	Water Street, Manchester (Direction Sign)				
Tue 02-Jun-15 to Mon 08-Jun-15							Channel: Northbound									
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Sun 07-Jun-15																
00:00	147	30.6	25	6	0	0	8	26	52	42	16	1	1	1	0	0
01:00	152	32.5	25.4	6.7	0	2	9	23	52	35	25	4	2	0	0	0
02:00	145	30.2	24.6	6.1	0	1	12	23	46	48	11	4	0	0	0	0
03:00	105	30.9	25.5	6.1	0	0	5	20	30	34	11	5	0	0	0	0
04:00	55	31.9	27	6.8	0	0	0	8	19	18	7	0	2	0	1	0
05:00	31	29.2	23.8	5.2	0	0	1	8	13	6	3	0	0	0	0	0
06:00	39	31.8	25.4	6.2	0	0	1	7	17	7	4	3	0	0	0	0
07:00	34	34	27.9	6.4	0	0	1	2	10	13	4	3	1	0	0	0
08:00	48	30.8	25.8	5.9	0	0	1	9	15	16	4	3	0	0	0	0
09:00	71	29.1	23.6	5.4	0	0	5	17	24	22	2	1	0	0	0	0
10:00	105	28.9	23.2	5.3	0	0	8	26	42	22	7	0	0	0	0	0
11:00	137	29.6	23.8	6.2	0	2	9	29	58	25	8	5	1	0	0	0
12:00	182	26.6	21.3	5.4	0	4	24	56	67	26	5	0	0	0	0	0
13:00	148	28.1	22.7	5.9	0	5	9	36	66	22	7	3	0	0	0	0
14:00	142	27.6	21.9	5.7	0	4	16	37	56	23	5	1	0	0	0	0
15:00	140	29.1	23.6	5.8	0	2	9	29	58	33	7	1	0	1	0	0
16:00	144	27.8	22.5	5.1	0	2	10	38	62	28	4	0	0	0	0	0
17:00	144	29.3	23	6.2	0	3	14	32	54	29	9	3	0	0	0	0
18:00	112	30	24.2	5.9	1	1	8	18	38	36	10	0	0	0	0	0
19:00	88	33.6	26.6	6.6	0	0	3	15	24	24	16	5	1	0	0	0
20:00	78	30.5	23.6	6.6	0	1	5	24	25	12	7	4	0	0	0	0
21:00	71	30.9	24.9	6.2	0	0	3	15	27	15	7	4	0	0	0	0
22:00	63	32.8	26.9	5.8	0	0	1	7	21	20	11	2	1	0	0	0
23:00	76	30.8	25.7	6.3	0	0	6	8	24	27	6	5	0	0	0	0
12H,7-19	1407	29	23.1	5.9	1	23	114	329	550	295	72	20	2	1	0	0
16H,6-22	1683	29.5	23.4	6	1	24	126	390	643	353	106	36	3	1	0	0
18H,6-24	1822	29.7	23.6	6.1	1	24	133	405	688	400	123	43	4	1	0	0
24H,0-24	2457	30.1	24	6.2	1	27	168	513	900	583	196	57	9	2	1	0

18910	MANCHESTER				Site No: 18910001						Location	Water Street, Manchester (Direction Sign)				
Tue 02-Jun-15 to Mon 08-Jun-15					Channel: Northbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Mon 08-Jun-15																
00:00	67	31.2	27.1	5	0	0	1	5	19	31	10	0	1	0	0	0
01:00	72	32.3	26.8	5.7	0	1	2	6	19	29	14	1	0	0	0	0
02:00	23	34.4	27	6.8	0	0	0	5	6	6	3	3	0	0	0	0
03:00	22	36.3	28.5	6.7	0	0	0	3	5	7	3	4	0	0	0	0
04:00	28	32.1	25.1	6.1	0	0	2	4	11	5	6	0	0	0	0	0
05:00	21	31.9	24.7	7	0	0	2	3	10	2	2	2	0	0	0	0
06:00	99	31.6	24.6	6.7	0	1	10	16	32	23	15	1	1	0	0	0
07:00	197	30.2	23.1	6.8	0	4	25	49	50	46	19	3	1	0	0	0
08:00	272	30.4	23.8	6.6	1	4	30	52	79	74	27	5	0	0	0	0
09:00	256	30	23.1	6.5	1	3	34	58	72	62	24	2	0	0	0	0
10:00	203	28.3	21.8	6	0	5	29	55	65	40	8	1	0	0	0	0
11:00	142	29.1	22.4	6.6	0	7	15	34	45	31	8	2	0	0	0	0
12:00	142	28.6	22.4	6.1	0	2	18	37	50	25	8	2	0	0	0	0
13:00	159	29.2	22.3	6.4	1	3	22	40	48	32	13	0	0	0	0	0
14:00	127	29.2	22.9	6	0	6	5	34	41	34	7	0	0	0	0	0
15:00	101	30.1	24.6	5.5	0	0	7	15	39	30	9	1	0	0	0	0
16:00	106	24.8	20.2	5.1	0	4	14	39	43	3	3	0	0	0	0	0
17:00	112	26.3	21.5	5.6	0	3	7	47	37	12	4	2	0	0	0	0
18:00	140	27.3	21.7	5.9	1	3	15	43	51	21	5	0	1	0	0	0
19:00	120	29.1	22.6	6.8	2	1	14	31	41	20	7	3	1	0	0	0
20:00	88	31.8	25.2	5.7	0	0	3	17	32	20	15	1	0	0	0	0
21:00	59	30.8	24.5	6	0	0	3	12	25	10	7	2	0	0	0	0
22:00	53	29.9	24.6	5.3	0	0	3	8	21	16	5	0	0	0	0	0
23:00	48	30.8	25.9	5.6	0	0	1	6	20	14	4	3	0	0	0	0
12H,7-19	1957	29.3	22.6	6.3	4	44	221	503	620	410	135	18	2	0	0	0
16H,6-22	2323	29.5	22.8	6.3	6	46	251	579	750	483	179	25	4	0	0	0
18H,6-24	2424	29.6	22.9	6.3	6	46	255	593	791	513	188	28	4	0	0	0
24H,0-24	2657	29.9	23.3	6.4	6	47	262	619	861	593	226	38	5	0	0	0

18910	MANCHESTER	Site No: 18910001	Location	Water Street, Manchester (Direction Sign)
Tue 02-Jun-15 to Mon 08-Jun-15		Channel: Northbound		

Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Daily Totals																
Tue 02-Jun-15	**2478**	29.4	23.1	6.1	4	26	242	597	859	548	167	26	8	1	0	0
Wed 03-Jun-15	**2629**	29.7	23.4	6.1	0	30	241	621	908	586	198	40	4	1	0	0
Thu 04-Jun-15	**2699**	30.1	23.8	6.2	2	36	207	572	962	633	237	38	9	1	0	2
Fri 05-Jun-15	**2998**	29.6	23.1	6.4	4	49	319	726	961	672	202	52	12	0	0	1
Sat 06-Jun-15	**3079**	30	24	6	3	35	187	672	1120	757	245	49	7	2	0	2
Sun 07-Jun-15	**2457**	30.1	24	6.2	1	27	168	513	900	583	196	57	9	2	1	0
Mon 08-Jun-15	**2657**	29.9	23.3	6.4	6	47	262	619	861	593	226	38	5	0	0	0
Total Vehicles																
[--]	**18997**	29.8	23.5	6.2	20	250	1626	4320	6571	4372	1471	300	54	7	1	5



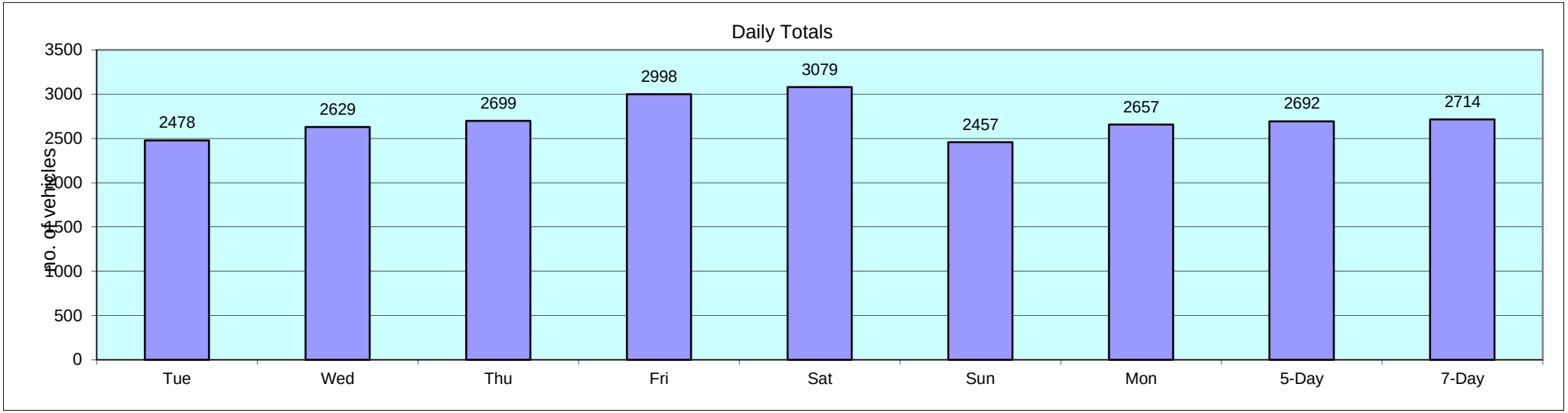


Data produced by Axiom Traffic Ltd

18910		MANCHESTER		Site No: 18910001 Channel: Northbound		Location	Water Street, Manchester (Direction Sign)		
TIME PERIOD	Tue 02/06/15	Wed 03/06/15	Thu 04/06/15	Fri 05/06/15	Sat 06/06/15	Sun 07/06/15	Mon 08/06/15	5-Day Av	7-Day Av
Week Begin: 02-Jun-15									
00:00	**30**	23	31	60	117	147	67	42	68
01:00	**18**	22	32	32	118	152	72	35	64
02:00	**8**	11	17	20	88	145	23	16	45
03:00	**6**	11	12	13	72	105	22	13	34
04:00	**7**	12	9	16	32	55	28	14	23
05:00	**20**	20	25	26	35	31	21	22	25
06:00	**108**	116	112	109	41	39	99	109	89
07:00	**193**	182	199	206	56	34	197	195	152
08:00	**242**	249	247	234	100	48	272	249	199
09:00	**255**	257	237	217	133	71	256	244	204
10:00	**174**	172	179	149	177	105	203	175	166
11:00	**171**	155	161	163	193	137	142	158	160
12:00	**177**	175	150	174	184	182	142	164	169
13:00	**150**	168	155	166	177	148	159	160	160
14:00	**123**	129	149	127	160	142	127	131	137
15:00	**82**	101	117	129	201	140	101	106	124
16:00	**102**	110	118	122	183	144	106	112	126
17:00	**94**	107	95	144	160	144	112	110	122
18:00	**133**	153	126	182	207	112	140	147	150
19:00	**140**	141	168	191	166	88	120	152	145
20:00	**80**	105	110	147	103	78	88	106	102
21:00	**71**	80	88	118	104	71	59	83	84
22:00	**60**	75	95	132	155	63	53	83	90
23:00	**34**	55	67	121	117	76	48	65	74
12H,7-19	**1896**	**1958**	**1933**	**2013**	**1931**	**1407**	**1957**	**1951**	**1871**
16H,6-22	**2295**	**2400**	**2411**	**2578**	**2345**	**1683**	**2323**	**2401**	**2291**
18H,6-24	**2389**	**2530**	**2573**	**2831**	**2617**	**1822**	**2424**	**2549**	**2455**
24H,0-24	**2478**	**2629**	**2699**	**2998**	**3079**	**2457**	**2657**	**2692**	**2714**
Am	**09:00**	**09:00**	**08:00**	**08:00**	**11:00**	**01:00**	**08:00**	**-**	**-**
Peak	**255**	**257**	**247**	**234**	**193**	**152**	**272**	**253**	**230**
Pm	**12:00**	**12:00**	**19:00**	**19:00**	**18:00**	**12:00**	**13:00**	**-**	**-**
Peak	**177**	**175**	**168**	**191**	**207**	**182**	**159**	**174**	**180**

18910	MANCHESTER	Site No: 18910001	Location	Water Street, Manchester (Direction Sign)
		Channel: Northbound		

TIME PERIOD	Tue 02/06/15	Wed 03/06/15	Thu 04/06/15	Fri 05/06/15	Sat 06/06/15	Sun 07/06/15	Mon 08/06/15	5-Day Av	7-Day Av



18910	MANCHESTER	Site No: 18910001	Location	Water Street, Manchester (Direction Sign)
Tue 02-Jun-15 to Mon 08-Jun-15		Channel: Southbound		

TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES %	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Tue 02-Jun-15											
00:00	**34**	0	0.0	31	91.2	3	8.8	0	0.0	0	0.0
01:00	**19**	0	0.0	16	84.2	3	15.8	0	0.0	0	0.0
02:00	**11**	0	0.0	10	90.9	1	9.1	0	0.0	0	0.0
03:00	**9**	0	0.0	9	100.0	0	0.0	0	0.0	0	0.0
04:00	**13**	0	0.0	11	84.6	2	15.4	0	0.0	0	0.0
05:00	**14**	0	0.0	11	78.6	2	14.3	1	7.1	0	0.0
06:00	**49**	0	0.0	45	91.8	2	4.1	2	4.1	0	0.0
07:00	**143**	1	0.7	125	87.4	11	7.7	5	3.5	1	0.7
08:00	**163**	0	0.0	147	90.2	11	6.8	4	2.5	1	0.6
09:00	**133**	0	0.0	110	82.7	16	12.0	6	4.5	1	0.8
10:00	**153**	2	1.3	126	82.4	20	13.1	3	2.0	2	1.3
11:00	**163**	1	0.6	133	81.6	21	12.9	7	4.3	1	0.6
12:00	**220**	1	0.5	190	86.4	17	7.7	7	3.2	5	2.3
13:00	**265**	2	0.8	227	85.7	26	9.8	9	3.4	1	0.4
14:00	**208**	0	0.0	179	86.1	23	11.1	6	2.9	0	0.0
15:00	**350**	0	0.0	323	92.3	23	6.6	4	1.1	0	0.0
16:00	**492**	3	0.6	452	91.9	25	5.1	11	2.2	1	0.2
17:00	**436**	9	2.1	408	93.6	15	3.4	4	0.9	0	0.0
18:00	**357**	4	1.1	329	92.2	14	3.9	8	2.2	2	0.6
19:00	**208**	0	0.0	199	95.7	5	2.4	4	1.9	0	0.0
20:00	**184**	0	0.0	174	94.6	6	3.3	3	1.6	1	0.5
21:00	**151**	1	0.7	138	91.4	7	4.6	5	3.3	0	0.0
22:00	**104**	2	1.9	94	90.4	5	4.8	3	2.9	0	0.0
23:00	**55**	0	0.0	52	94.6	2	3.6	1	1.8	0	0.0
12H,7-19	**3083**	**23**	**0.8**	**2749**	**89.2**	**222**	**7.2**	**74**	**2.4**	**15**	**0.5**
16H,6-22	**3675**	**24**	**0.7**	**3305**	**89.9**	**242**	**6.6**	**88**	**2.4**	**16**	**0.4**
18H,6-24	**3834**	**26**	**0.7**	**3451**	**90.0**	**249**	**6.5**	**92**	**2.4**	**16**	**0.4**
24H,0-24	**3934**	**26**	**0.7**	**3539**	**90.0**	**260**	**6.6**	**93**	**2.4**	**16**	**0.4**

18910	MANCHESTER	Site No: 18910001	Location	Water Street, Manchester (Direction Sign)
Tue 02-Jun-15 to Mon 08-Jun-15		Channel: Southbound		

TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES %	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Wed 03-Jun-15											
00:00	**36**	0	0.0	33	91.7	3	8.3	0	0.0	0	0.0
01:00	**29**	0	0.0	27	93.1	2	6.9	0	0.0	0	0.0
02:00	**16**	0	0.0	13	81.3	3	18.8	0	0.0	0	0.0
03:00	**19**	0	0.0	18	94.7	1	5.3	0	0.0	0	0.0
04:00	**13**	0	0.0	12	92.3	1	7.7	0	0.0	0	0.0
05:00	**21**	0	0.0	18	85.7	2	9.5	0	0.0	1	4.8
06:00	**58**	0	0.0	48	82.8	6	10.3	4	6.9	0	0.0
07:00	**149**	0	0.0	133	89.3	9	6.0	5	3.4	2	1.3
08:00	**171**	1	0.6	149	87.1	11	6.4	10	5.9	0	0.0
09:00	**137**	1	0.7	119	86.9	7	5.1	9	6.6	1	0.7
10:00	**152**	1	0.7	120	79.0	22	14.5	8	5.3	1	0.7
11:00	**170**	0	0.0	142	83.5	20	11.8	8	4.7	0	0.0
12:00	**213**	1	0.5	186	87.3	20	9.4	4	1.9	2	0.9
13:00	**215**	2	0.9	187	87.0	15	7.0	9	4.2	2	0.9
14:00	**274**	3	1.1	232	84.7	35	12.8	3	1.1	1	0.4
15:00	**385**	1	0.3	345	89.6	31	8.1	5	1.3	3	0.8
16:00	**520**	3	0.6	479	92.1	26	5.0	10	1.9	2	0.4
17:00	**496**	13	2.6	460	92.7	17	3.4	5	1.0	1	0.2
18:00	**407**	5	1.2	386	94.8	9	2.2	7	1.7	0	0.0
19:00	**234**	3	1.3	222	94.9	5	2.1	4	1.7	0	0.0
20:00	**178**	0	0.0	168	94.4	5	2.8	4	2.3	1	0.6
21:00	**124**	1	0.8	109	87.9	3	2.4	11	8.9	0	0.0
22:00	**111**	2	1.8	100	90.1	4	3.6	5	4.5	0	0.0
23:00	**96**	1	1.0	86	89.6	3	3.1	6	6.3	0	0.0
12H,7-19	**3289**	**31**	**0.9**	**2938**	**89.3**	**222**	**6.8**	**83**	**2.5**	**15**	**0.5**
16H,6-22	**3883**	**35**	**0.9**	**3485**	**89.8**	**241**	**6.2**	**106**	**2.7**	**16**	**0.4**
18H,6-24	**4090**	**38**	**0.9**	**3671**	**89.8**	**248**	**6.1**	**117**	**2.9**	**16**	**0.4**
24H,0-24	**4224**	**38**	**0.9**	**3792**	**89.8**	**260**	**6.2**	**117**	**2.8**	**17**	**0.4**

18910	MANCHESTER	Site No: 18910001	Location	Water Street, Manchester (Direction Sign)
Tue 02-Jun-15 to Mon 08-Jun-15		Channel: Southbound		

TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Thu 04-Jun-15											
00:00	**71**	0	0.0	68	95.8	1	1.4	2	2.8	0	0.0
01:00	**46**	1	2.2	39	84.8	3	6.5	3	6.5	0	0.0
02:00	**22**	0	0.0	22	100.0	0	0.0	0	0.0	0	0.0
03:00	**27**	0	0.0	24	88.9	1	3.7	2	7.4	0	0.0
04:00	**13**	0	0.0	13	100.0	0	0.0	0	0.0	0	0.0
05:00	**33**	0	0.0	29	87.9	2	6.1	2	6.1	0	0.0
06:00	**56**	0	0.0	48	85.7	4	7.1	4	7.1	0	0.0
07:00	**157**	1	0.6	142	90.5	10	6.4	4	2.6	0	0.0
08:00	**194**	2	1.0	170	87.6	14	7.2	8	4.1	0	0.0
09:00	**159**	1	0.6	146	91.8	7	4.4	4	2.5	1	0.6
10:00	**133**	1	0.8	110	82.7	14	10.5	6	4.5	2	1.5
11:00	**142**	0	0.0	114	80.3	21	14.8	6	4.2	1	0.7
12:00	**191**	2	1.1	161	84.3	20	10.5	8	4.2	0	0.0
13:00	**223**	3	1.4	195	87.4	15	6.7	7	3.1	3	1.4
14:00	**262**	2	0.8	220	84.0	32	12.2	6	2.3	2	0.8
15:00	**350**	5	1.4	305	87.1	35	10.0	3	0.9	2	0.6
16:00	**439**	10	2.3	391	89.1	21	4.8	12	2.7	5	1.1
17:00	**480**	9	1.9	445	92.7	18	3.8	6	1.3	2	0.4
18:00	**383**	8	2.1	357	93.2	9	2.4	8	2.1	1	0.3
19:00	**216**	3	1.4	202	93.5	8	3.7	3	1.4	0	0.0
20:00	**189**	5	2.7	174	92.1	7	3.7	2	1.1	1	0.5
21:00	**151**	2	1.3	140	92.7	5	3.3	4	2.7	0	0.0
22:00	**172**	3	1.7	163	94.8	1	0.6	5	2.9	0	0.0
23:00	**117**	2	1.7	106	90.6	2	1.7	7	6.0	0	0.0
12H,7-19	**3113**	**44**	**1.4**	**2756**	**88.5**	**216**	**6.9**	**78**	**2.5**	**19**	**0.6**
16H,6-22	**3725**	**54**	**1.5**	**3320**	**89.1**	**240**	**6.4**	**91**	**2.4**	**20**	**0.5**
18H,6-24	**4014**	**59**	**1.5**	**3589**	**89.4**	**243**	**6.1**	**103**	**2.6**	**20**	**0.5**
24H,0-24	**4226**	**60**	**1.4**	**3784**	**89.5**	**250**	**5.9**	**112**	**2.7**	**20**	**0.5**

18910	MANCHESTER	Site No: 18910001	Location	Water Street, Manchester (Direction Sign)
Tue 02-Jun-15 to Mon 08-Jun-15		Channel: Southbound		

TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES %	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Fri 05-Jun-15											
00:00	**86**	1	1.2	69	80.2	4	4.7	11	12.8	1	1.2
01:00	**51**	0	0.0	42	82.4	3	5.9	6	11.8	0	0.0
02:00	**35**	0	0.0	34	97.1	1	2.9	0	0.0	0	0.0
03:00	**37**	0	0.0	32	86.5	2	5.4	3	8.1	0	0.0
04:00	**29**	0	0.0	29	100.0	0	0.0	0	0.0	0	0.0
05:00	**22**	0	0.0	18	81.8	3	13.6	1	4.6	0	0.0
06:00	**53**	0	0.0	49	92.5	3	5.7	0	0.0	1	1.9
07:00	**135**	0	0.0	123	91.1	7	5.2	5	3.7	0	0.0
08:00	**200**	1	0.5	180	90.0	11	5.5	5	2.5	3	1.5
09:00	**150**	1	0.7	128	85.3	14	9.3	6	4.0	1	0.7
10:00	**176**	0	0.0	141	80.1	24	13.6	10	5.7	1	0.6
11:00	**187**	1	0.5	148	79.1	28	15.0	8	4.3	2	1.1
12:00	**211**	1	0.5	172	81.5	30	14.2	8	3.8	0	0.0
13:00	**234**	2	0.9	196	83.8	25	10.7	9	3.9	2	0.9
14:00	**296**	3	1.0	262	88.5	27	9.1	2	0.7	2	0.7
15:00	**365**	5	1.4	324	88.8	27	7.4	7	1.9	2	0.6
16:00	**517**	6	1.2	474	91.7	25	4.8	8	1.6	4	0.8
17:00	**538**	9	1.7	500	92.9	17	3.2	8	1.5	4	0.7
18:00	**352**	4	1.1	321	91.2	19	5.4	7	2.0	1	0.3
19:00	**226**	1	0.4	216	95.6	7	3.1	2	0.9	0	0.0
20:00	**191**	1	0.5	172	90.1	8	4.2	9	4.7	1	0.5
21:00	**142**	2	1.4	131	92.3	2	1.4	7	4.9	0	0.0
22:00	**232**	1	0.4	215	92.7	3	1.3	13	5.6	0	0.0
23:00	**171**	2	1.2	153	89.5	1	0.6	15	8.8	0	0.0
12H,7-19	**3361**	**33**	**1.0**	**2969**	**88.3**	**254**	**7.6**	**83**	**2.5**	**22**	**0.7**
16H,6-22	**3973**	**37**	**0.9**	**3537**	**89.0**	**274**	**6.9**	**101**	**2.5**	**24**	**0.6**
18H,6-24	**4376**	**40**	**0.9**	**3905**	**89.2**	**278**	**6.4**	**129**	**3.0**	**24**	**0.6**
24H,0-24	**4636**	**41**	**0.9**	**4129**	**89.1**	**291**	**6.3**	**150**	**3.2**	**25**	**0.5**

18910	MANCHESTER	Site No: 18910001	Location	Water Street, Manchester (Direction Sign)
Tue 02-Jun-15 to Mon 08-Jun-15		Channel: Southbound		

TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES %	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Sat 06-Jun-15											
00:00	**147**	1	0.7	134	91.2	2	1.4	10	6.8	0	0.0
01:00	**134**	2	1.5	117	87.3	0	0.0	15	11.2	0	0.0
02:00	**123**	0	0.0	104	84.6	2	1.6	17	13.8	0	0.0
03:00	**76**	0	0.0	66	86.8	0	0.0	10	13.2	0	0.0
04:00	**81**	0	0.0	71	87.7	0	0.0	10	12.4	0	0.0
05:00	**25**	0	0.0	21	84.0	1	4.0	3	12.0	0	0.0
06:00	**42**	0	0.0	38	90.5	1	2.4	3	7.1	0	0.0
07:00	**33**	0	0.0	29	87.9	0	0.0	4	12.1	0	0.0
08:00	**64**	0	0.0	57	89.1	2	3.1	5	7.8	0	0.0
09:00	**104**	0	0.0	94	90.4	7	6.7	2	1.9	1	1.0
10:00	**145**	0	0.0	131	90.3	11	7.6	1	0.7	2	1.4
11:00	**150**	0	0.0	137	91.3	8	5.3	3	2.0	2	1.3
12:00	**189**	5	2.7	169	89.4	10	5.3	5	2.7	0	0.0
13:00	**222**	1	0.5	200	90.1	15	6.8	5	2.3	1	0.5
14:00	**204**	2	1.0	190	93.1	8	3.9	4	2.0	0	0.0
15:00	**255**	1	0.4	235	92.2	14	5.5	5	2.0	0	0.0
16:00	**238**	3	1.3	219	92.0	13	5.5	2	0.8	1	0.4
17:00	**235**	0	0.0	223	94.9	7	3.0	5	2.1	0	0.0
18:00	**214**	0	0.0	196	91.6	11	5.1	6	2.8	1	0.5
19:00	**201**	1	0.5	186	92.5	7	3.5	6	3.0	1	0.5
20:00	**147**	0	0.0	137	93.2	6	4.1	4	2.7	0	0.0
21:00	**161**	1	0.6	148	91.9	5	3.1	7	4.4	0	0.0
22:00	**222**	3	1.4	203	91.4	6	2.7	10	4.5	0	0.0
23:00	**195**	0	0.0	176	90.3	9	4.6	10	5.1	0	0.0
12H,7-19	**2053**	**12**	**0.6**	**1880**	**91.6**	**106**	**5.2**	**47**	**2.3**	**8**	**0.4**
16H,6-22	**2604**	**14**	**0.5**	**2389**	**91.7**	**125**	**4.8**	**67**	**2.6**	**9**	**0.4**
18H,6-24	**3021**	**17**	**0.6**	**2768**	**91.6**	**140**	**4.6**	**87**	**2.9**	**9**	**0.3**
24H,0-24	**3607**	**20**	**0.6**	**3281**	**91.0**	**145**	**4.0**	**152**	**4.2**	**9**	**0.3**

18910	MANCHESTER	Site No: 18910001	Location	Water Street, Manchester (Direction Sign)
Tue 02-Jun-15 to Mon 08-Jun-15		Channel: Southbound		

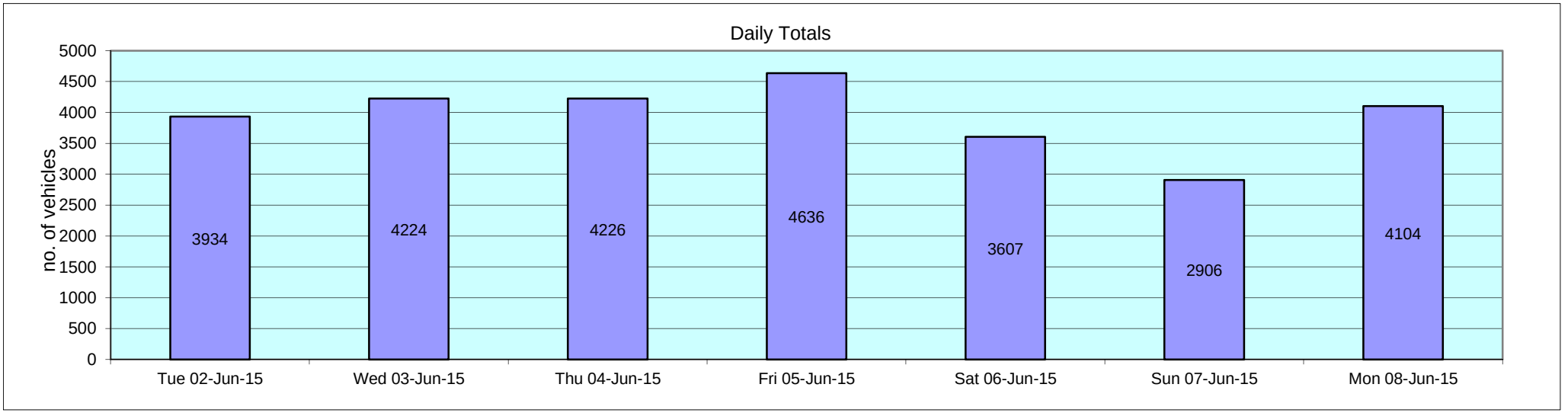
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES %	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Sun 07-Jun-15											
00:00	177	0	0.0	161	91.0	1	0.6	15	8.5	0	0.0
01:00	177	1	0.6	155	87.6	4	2.3	16	9.0	1	0.6
02:00	130	0	0.0	115	88.5	1	0.8	14	10.8	0	0.0
03:00	113	1	0.9	100	88.5	3	2.7	9	8.0	0	0.0
04:00	96	0	0.0	87	90.6	1	1.0	8	8.3	0	0.0
05:00	42	0	0.0	37	88.1	1	2.4	4	9.5	0	0.0
06:00	30	1	3.3	27	90.0	1	3.3	1	3.3	0	0.0
07:00	35	0	0.0	33	94.3	1	2.9	1	2.9	0	0.0
08:00	43	0	0.0	42	97.7	0	0.0	1	2.3	0	0.0
09:00	53	1	1.9	48	90.6	4	7.6	0	0.0	0	0.0
10:00	82	4	4.9	73	89.0	3	3.7	1	1.2	1	1.2
11:00	137	1	0.7	127	92.7	5	3.7	1	0.7	3	2.2
12:00	164	2	1.2	144	87.8	14	8.5	0	0.0	4	2.4
13:00	168	4	2.4	160	95.2	2	1.2	1	0.6	1	0.6
14:00	176	3	1.7	164	93.2	7	4.0	1	0.6	1	0.6
15:00	231	2	0.9	218	94.4	8	3.5	0	0.0	3	1.3
16:00	204	1	0.5	192	94.1	6	2.9	1	0.5	4	2.0
17:00	177	1	0.6	168	94.9	6	3.4	1	0.6	1	0.6
18:00	169	0	0.0	158	93.5	8	4.7	2	1.2	1	0.6
19:00	137	0	0.0	129	94.2	5	3.7	1	0.7	2	1.5
20:00	109	1	0.9	97	89.0	8	7.3	3	2.8	0	0.0
21:00	87	3	3.5	79	90.8	1	1.2	4	4.6	0	0.0
22:00	90	1	1.1	84	93.3	2	2.2	2	2.2	1	1.1
23:00	79	0	0.0	74	93.7	2	2.5	3	3.8	0	0.0
12H,7-19	1639	19	1.2	1527	93.2	64	3.9	10	0.6	19	1.2
16H,6-22	2002	24	1.2	1859	92.9	79	4.0	19	1.0	21	1.1
18H,6-24	2171	25	1.2	2017	92.9	83	3.8	24	1.1	22	1.0
24H,0-24	2906	27	0.9	2672	92.0	94	3.2	90	3.1	23	0.8

18910	MANCHESTER	Site No: 18910001	Location	Water Street, Manchester (Direction Sign)
Tue 02-Jun-15 to Mon 08-Jun-15		Channel: Southbound		

TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Mon 08-Jun-15											
00:00	**84**	1	1.2	76	90.5	3	3.6	4	4.8	0	0.0
01:00	**72**	0	0.0	65	90.3	1	1.4	6	8.3	0	0.0
02:00	**46**	0	0.0	43	93.5	2	4.4	1	2.2	0	0.0
03:00	**35**	0	0.0	32	91.4	2	5.7	1	2.9	0	0.0
04:00	**49**	0	0.0	44	89.8	2	4.1	3	6.1	0	0.0
05:00	**24**	0	0.0	21	87.5	2	8.3	1	4.2	0	0.0
06:00	**58**	0	0.0	52	89.7	5	8.6	1	1.7	0	0.0
07:00	**136**	1	0.7	122	89.7	11	8.1	1	0.7	1	0.7
08:00	**163**	2	1.2	148	90.8	10	6.1	3	1.8	0	0.0
09:00	**142**	2	1.4	121	85.2	15	10.6	4	2.8	0	0.0
10:00	**158**	0	0.0	113	71.5	31	19.6	9	5.7	5	3.2
11:00	**172**	0	0.0	138	80.2	23	13.4	9	5.2	2	1.2
12:00	**194**	1	0.5	154	79.4	25	12.9	8	4.1	6	3.1
13:00	**230**	1	0.4	199	86.5	23	10.0	4	1.7	3	1.3
14:00	**222**	1	0.5	192	86.5	23	10.4	6	2.7	0	0.0
15:00	**319**	4	1.3	282	88.4	27	8.5	5	1.6	1	0.3
16:00	**502**	3	0.6	455	90.6	29	5.8	13	2.6	2	0.4
17:00	**516**	9	1.7	477	92.4	15	2.9	11	2.1	4	0.8
18:00	**361**	7	1.9	333	92.2	19	5.3	2	0.6	0	0.0
19:00	**173**	2	1.2	159	91.9	10	5.8	2	1.2	0	0.0
20:00	**153**	1	0.7	144	94.1	5	3.3	3	2.0	0	0.0
21:00	**102**	0	0.0	97	95.1	3	2.9	2	2.0	0	0.0
22:00	**123**	3	2.4	115	93.5	2	1.6	3	2.4	0	0.0
23:00	**70**	1	1.4	61	87.1	4	5.7	4	5.7	0	0.0
12H,7-19	**3115**	**31**	**1.0**	**2734**	**87.8**	**251**	**8.1**	**75**	**2.4**	**24**	**0.8**
16H,6-22	**3601**	**34**	**0.9**	**3186**	**88.5**	**274**	**7.6**	**83**	**2.3**	**24**	**0.7**
18H,6-24	**3794**	**38**	**1.0**	**3362**	**88.6**	**280**	**7.4**	**90**	**2.4**	**24**	**0.6**
24H,0-24	**4104**	**39**	**1.0**	**3643**	**88.8**	**292**	**7.1**	**106**	**2.6**	**24**	**0.6**

18910	MANCHESTER	Site No: 18910001	Location	Water Street, Manchester (Direction Sign)
Tue 02-Jun-15 to Mon 08-Jun-15		Channel: Southbound		

TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES %	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Daily Totals											
Tue 02-Jun-15	**3934**	26	0.7	3539	90.0	260	6.6	93	2.4	16	0.4
Wed 03-Jun-15	**4224**	38	0.9	3792	89.8	260	6.2	117	2.8	17	0.4
Thu 04-Jun-15	**4226**	60	1.4	3784	89.5	250	5.9	112	2.7	20	0.5
Fri 05-Jun-15	**4636**	41	0.9	4129	89.1	291	6.3	150	3.2	25	0.5
Sat 06-Jun-15	**3607**	20	0.6	3281	91.0	145	4.0	152	4.2	9	0.3
Sun 07-Jun-15	**2906**	27	0.9	2672	92.0	94	3.2	90	3.1	23	0.8
Mon 08-Jun-15	**4104**	39	1.0	3643	88.8	292	7.1	106	2.6	24	0.6
Total Vehicles											
[--]	**27637**	251	0.9	24840	90.0	1592	5.6	820	3.0	134	0.5



18910			MANCHESTER				Site No: 18910001				Location	Water Street, Manchester (Direction Sign)					
Tue 02-Jun-15 to Mon 08-Jun-15							Channel: Southbound										
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Tue 02-Jun-15																
00:00	**34**	29.7	25.6	4	0	0	0	2	19	10	3	0	0	0	0	0
01:00	**19**	28.2	24.8	3.2	0	0	0	1	12	6	0	0	0	0	0	0
02:00	**11**	25.3	23.5	4.7	0	0	0	3	6	1	1	0	0	0	0	0
03:00	**9**	-	25.2	5.2	0	0	0	2	3	3	1	0	0	0	0	0
04:00	**13**	23.8	24.3	3.7	0	0	0	1	10	1	1	0	0	0	0	0
05:00	**14**	32	27.8	6.3	0	0	0	1	5	5	2	0	1	0	0	0
06:00	**49**	30.7	25.7	5	0	0	0	7	21	14	6	1	0	0	0	0
07:00	**143**	31.3	26.8	5.1	0	0	1	11	54	54	17	5	1	0	0	0
08:00	**163**	31	26.4	5.2	0	1	1	14	64	58	20	4	1	0	0	0
09:00	**133**	30.4	25.7	5.1	0	0	1	17	57	43	13	1	0	1	0	0
10:00	**153**	29.6	24.3	5.1	0	0	10	18	75	37	13	0	0	0	0	0
11:00	**163**	29.1	24.3	4.7	0	1	4	25	83	40	9	1	0	0	0	0
12:00	**220**	28.8	23.8	5	0	2	7	44	106	49	10	1	1	0	0	0
13:00	**265**	29.1	24.3	4.9	1	3	3	37	146	56	16	3	0	0	0	0
14:00	**208**	29.9	25	4.9	0	0	2	34	97	55	15	5	0	0	0	0
15:00	**350**	28.9	24.2	4.5	0	0	6	58	188	77	18	3	0	0	0	0
16:00	**492**	27.7	21.3	6.3	1	28	68	115	178	82	18	2	0	0	0	0
17:00	**436**	24.4	17.4	6.7	15	82	76	109	128	24	2	0	0	0	0	0
18:00	**357**	26.6	20.7	6	2	17	58	96	124	52	7	1	0	0	0	0
19:00	**208**	30.6	26.1	5.4	0	0	2	27	76	78	16	7	1	1	0	0
20:00	**184**	30	25.6	4.8	0	0	0	20	89	59	12	3	0	0	1	0
21:00	**151**	29	24.9	4.1	0	0	0	16	88	40	5	1	1	0	0	0
22:00	**104**	30	25.9	5	0	0	0	14	41	41	3	4	1	0	0	0
23:00	**55**	30.2	25.9	4.4	0	0	0	4	28	17	5	1	0	0	0	0
12H,7-19	**3083**	**28.8**	**22.7**	**6.2**	**19**	**134**	**237**	**578**	**1300**	**627**	**158**	**26**	**3**	**1**	**0**	**0**
16H,6-22	**3675**	**29.1**	**23.2**	**6.1**	**19**	**134**	**239**	**648**	**1574**	**818**	**197**	**38**	**5**	**2**	**1**	**0**
18H,6-24	**3834**	**29.2**	**23.3**	**6.1**	**19**	**134**	**239**	**666**	**1643**	**876**	**205**	**43**	**6**	**2**	**1**	**0**
24H,0-24	**3934**	**29.2**	**23.3**	**6.1**	**19**	**134**	**239**	**676**	**1698**	**902**	**213**	**43**	**7**	**2**	**1**	**0**

18910			MANCHESTER				Site No: 18910001				Location	Water Street, Manchester (Direction Sign)					
Tue 02-Jun-15 to Mon 08-Jun-15							Channel: Southbound										
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Wed 03-Jun-15																
00:00	**36**	30.7	26.8	5.1	0	0	0	2	16	13	2	3	0	0	0	0
01:00	**29**	33.3	27.8	5	0	0	0	1	11	9	7	1	0	0	0	0
02:00	**16**	30.1	26.3	5	0	0	0	1	8	5	1	1	0	0	0	0
03:00	**19**	33.8	28.8	5.8	0	0	0	0	7	7	3	1	1	0	0	0
04:00	**13**	23.8	24.3	3.7	0	0	0	1	10	1	1	0	0	0	0	0
05:00	**21**	30.1	26.6	5.7	0	0	1	0	9	9	1	0	1	0	0	0
06:00	**58**	30	25.8	5.3	0	0	0	7	26	20	3	0	2	0	0	0
07:00	**149**	29	24.6	4	0	0	1	19	80	44	4	1	0	0	0	0
08:00	**171**	30.5	26.2	4.7	0	0	0	16	71	65	13	6	0	0	0	0
09:00	**137**	30.7	26.3	4.7	0	0	0	13	56	50	15	3	0	0	0	0
10:00	**152**	29.8	25	4.9	0	0	2	26	63	50	8	3	0	0	0	0
11:00	**170**	29.2	24.2	4.9	0	0	7	28	81	44	8	2	0	0	0	0
12:00	**213**	29.6	24.4	5	0	2	4	37	99	54	15	2	0	0	0	0
13:00	**215**	29.3	24.7	4.6	0	0	2	33	111	55	10	3	1	0	0	0
14:00	**274**	29	24.6	4	0	0	5	26	160	70	13	0	0	0	0	0
15:00	**385**	29.5	24.9	4.9	0	0	8	49	189	115	17	5	1	0	0	1
16:00	**520**	29.4	24.8	4.3	0	1	9	54	275	150	30	0	1	0	0	0
17:00	**496**	27.1	21.3	6	6	26	46	131	196	76	15	0	0	0	0	0
18:00	**407**	29.2	24.1	5	0	1	20	70	175	124	12	5	0	0	0	0
19:00	**234**	29.9	25.7	4.4	0	0	1	19	112	85	13	3	1	0	0	0
20:00	**178**	31.7	27.2	5.4	0	0	1	17	52	77	26	1	3	1	0	0
21:00	**124**	30.3	25.3	5	0	0	0	20	56	34	12	1	1	0	0	0
22:00	**111**	30.6	25.6	5.3	0	0	1	12	59	24	10	4	1	0	0	0
23:00	**96**	28.4	24.3	3.9	0	0	1	11	60	19	5	0	0	0	0	0
12H,7-19	**3289**	**29.3**	**24.3**	**5.1**	**6**	**30**	**104**	**502**	**1556**	**897**	**160**	**30**	**3**	**0**	**0**	**1**
16H,6-22	**3883**	**29.6**	**24.5**	**5.1**	**6**	**30**	**106**	**565**	**1802**	**1113**	**214**	**35**	**10**	**1**	**0**	**1**
18H,6-24	**4090**	**29.6**	**24.6**	**5.1**	**6**	**30**	**108**	**588**	**1921**	**1156**	**229**	**39**	**11**	**1**	**0**	**1**
24H,0-24	**4224**	**29.6**	**24.6**	**5.1**	**6**	**30**	**109**	**593**	**1982**	**1200**	**244**	**45**	**13**	**1**	**0**	**1**

18910	MANCHESTER	Site No: 18910001	Location	Water Street, Manchester (Direction Sign)
Tue 02-Jun-15 to Mon 08-Jun-15		Channel: Southbound		

Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Thu 04-Jun-15																
00:00	**71**	29.8	26	5.8	0	0	0	5	39	21	3	2	0	0	0	1
01:00	**46**	28.6	24.7	3.8	0	0	0	4	30	9	3	0	0	0	0	0
02:00	**22**	29.3	25.5	3.6	0	0	0	2	9	11	0	0	0	0	0	0
03:00	**27**	30.3	26.5	4	0	0	0	1	12	11	3	0	0	0	0	0
04:00	**13**	31.9	26.2	5	0	0	0	1	7	2	3	0	0	0	0	0
05:00	**33**	29	25.5	3.1	0	0	0	0	21	11	1	0	0	0	0	0
06:00	**56**	32.5	26.9	5.9	0	0	0	5	25	15	7	2	2	0	0	0
07:00	**157**	31.9	27.1	4.9	0	0	2	7	58	62	22	6	0	0	0	0
08:00	**194**	30.9	25.6	5.3	0	0	1	37	68	60	24	4	0	0	0	0
09:00	**159**	30.9	26.4	4.8	0	0	0	16	63	56	20	4	0	0	0	0
10:00	**133**	29.8	25.3	4.5	0	0	1	20	52	52	7	1	0	0	0	0
11:00	**142**	29.6	25	4.6	0	0	3	18	65	47	7	2	0	0	0	0
12:00	**191**	30.2	25.6	4.8	0	0	3	22	77	71	15	3	0	0	0	0
13:00	**223**	30.2	25.2	5.2	0	0	8	25	104	62	18	5	1	0	0	0
14:00	**262**	29.2	24	5.1	0	1	14	44	120	67	14	2	0	0	0	0
15:00	**350**	28.7	24.3	4.1	0	0	2	56	189	91	10	2	0	0	0	0
16:00	**439**	25.9	19.9	6.5	13	32	64	112	155	57	5	1	0	0	0	0
17:00	**480**	25.7	19.6	6.8	16	43	67	137	153	51	9	3	1	0	0	0
18:00	**383**	28.4	23.5	5.3	2	11	11	58	205	79	13	3	1	0	0	0
19:00	**216**	29.8	25.3	4.5	0	2	1	17	112	67	14	3	0	0	0	0
20:00	**189**	30	25.6	4.7	0	0	2	17	92	62	11	4	1	0	0	0
21:00	**151**	29	24.3	4.6	0	1	3	22	81	35	8	1	0	0	0	0
22:00	**172**	28.8	24.4	4.2	1	0	0	23	99	41	7	1	0	0	0	0
23:00	**117**	29.6	25.2	4.2	0	0	0	10	68	29	9	1	0	0	0	0
12H,7-19	**3113**	**29.2**	**23.4**	**6**	**31**	**87**	**176**	**552**	**1309**	**755**	**164**	**36**	**3**	**0**	**0**	**0**
16H,6-22	**3725**	**29.4**	**23.7**	**5.9**	**31**	**90**	**182**	**613**	**1619**	**934**	**204**	**46**	**6**	**0**	**0**	**0**
18H,6-24	**4014**	**29.4**	**23.8**	**5.8**	**32**	**90**	**182**	**646**	**1786**	**1004**	**220**	**48**	**6**	**0**	**0**	**0**
24H,0-24	**4226**	**29.4**	**23.9**	**5.7**	**32**	**90**	**182**	**659**	**1904**	**1069**	**233**	**50**	**6**	**0**	**0**	**1**

18910			MANCHESTER				Site No: 18910001				Location	Water Street, Manchester (Direction Sign)					
Tue 02-Jun-15 to Mon 08-Jun-15							Channel: Southbound										
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Fri 05-Jun-15																
00:00	**86**	30	25.9	5.4	0	0	1	4	49	23	5	3	0	0	1	0
01:00	**51**	29.8	26.1	3.8	0	0	0	0	29	18	3	1	0	0	0	0
02:00	**35**	31.3	25.5	6.3	0	0	2	5	13	9	4	2	0	0	0	0
03:00	**37**	32.2	27	5.6	0	0	0	1	20	9	4	2	1	0	0	0
04:00	**29**	27.4	23.3	5.3	0	0	1	8	14	4	1	1	0	0	0	0
05:00	**22**	30.5	26.5	4.2	0	0	0	1	10	8	3	0	0	0	0	0
06:00	**53**	30.3	27.2	4.2	0	0	0	2	16	31	3	0	1	0	0	0
07:00	**135**	30.1	25.8	5	0	0	0	14	63	45	10	2	0	0	1	0
08:00	**200**	30.7	25.8	5	0	1	1	21	90	60	24	2	1	0	0	0
09:00	**150**	29.1	24.5	4.4	0	0	1	25	78	37	8	1	0	0	0	0
10:00	**176**	28.9	24.2	4.6	0	0	7	25	90	46	7	1	0	0	0	0
11:00	**187**	29.8	25.4	4.5	0	0	2	18	91	62	11	3	0	0	0	0
12:00	**211**	29.4	24.6	4.5	0	0	0	37	108	50	14	2	0	0	0	0
13:00	**234**	29.5	25	4.4	0	0	2	30	115	73	13	0	1	0	0	0
14:00	**296**	29.6	24.5	4.8	0	1	8	46	140	79	21	1	0	0	0	0
15:00	**365**	29.7	24.9	4.7	0	0	6	52	172	109	19	7	0	0	0	0
16:00	**517**	28.4	23.7	4.7	0	4	15	95	275	106	19	2	1	0	0	0
17:00	**538**	27.3	21.3	6	5	17	76	142	194	88	15	0	1	0	0	0
18:00	**352**	29.7	25.5	4.1	0	0	0	29	180	120	19	4	0	0	0	0
19:00	**226**	28.7	24.7	3.7	0	0	1	18	145	52	9	1	0	0	0	0
20:00	**191**	29.3	24.9	4.5	0	1	3	15	107	54	9	1	1	0	0	0
21:00	**142**	29	24.7	3.9	0	0	1	14	82	39	6	0	0	0	0	0
22:00	**232**	29.5	25.2	4.4	0	0	0	20	138	55	13	5	1	0	0	0
23:00	**171**	28.5	24.4	4.1	0	0	1	21	104	38	4	3	0	0	0	0
12H,7-19	**3361**	**29.3**	**24.2**	**5**	**5**	**23**	**118**	**534**	**1596**	**875**	**180**	**25**	**4**	**0**	**1**	**0**
16H,6-22	**3973**	**29.3**	**24.3**	**4.9**	**5**	**24**	**123**	**583**	**1946**	**1051**	**207**	**27**	**6**	**0**	**1**	**0**
18H,6-24	**4376**	**29.3**	**24.4**	**4.9**	**5**	**24**	**124**	**624**	**2188**	**1144**	**224**	**35**	**7**	**0**	**1**	**0**
24H,0-24	**4636**	**29.4**	**24.5**	**4.9**	**5**	**24**	**128**	**643**	**2323**	**1215**	**244**	**44**	**8**	**0**	**2**	**0**

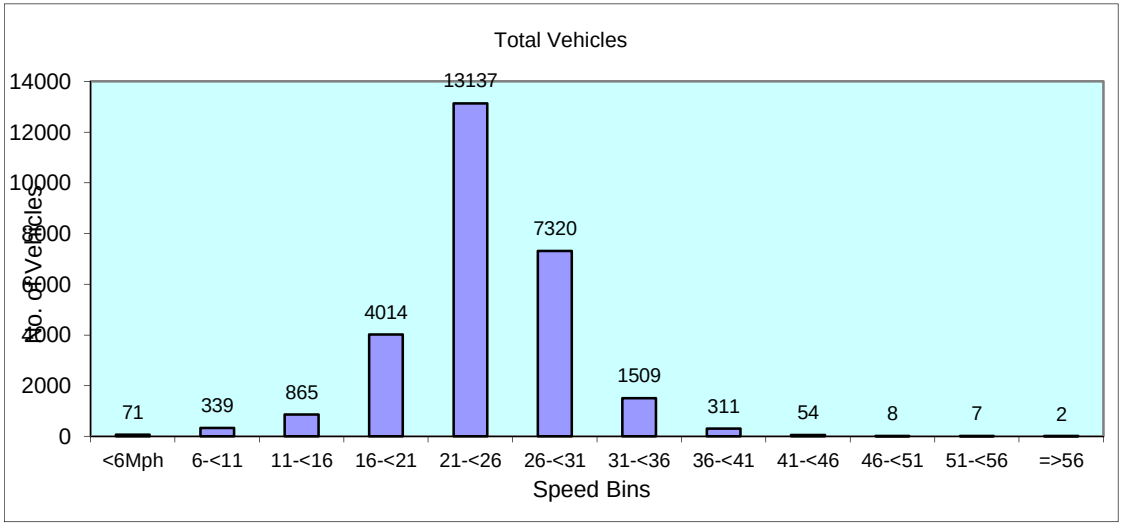
18910			MANCHESTER				Site No: 18910001				Location	Water Street, Manchester (Direction Sign)					
Tue 02-Jun-15 to Mon 08-Jun-15							Channel: Southbound										
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Sat 06-Jun-15																
00:00	147	29.9	26.1	3.8	0	0	0	6	68	64	8	1	0	0	0	0
01:00	134	29.8	25.9	3.9	0	0	0	12	53	64	4	1	0	0	0	0
02:00	123	30.1	26.5	3.8	0	0	0	2	56	56	7	2	0	0	0	0
03:00	76	29.4	25.4	4.1	0	0	0	3	49	18	4	2	0	0	0	0
04:00	81	31.7	26.8	5.3	0	0	0	5	38	24	10	2	2	0	0	0
05:00	25	32.8	27.9	4.8	0	0	0	1	8	10	5	1	0	0	0	0
06:00	42	29.3	25.3	3.8	0	0	0	2	26	11	3	0	0	0	0	0
07:00	33	31.9	27.3	5.4	0	0	0	2	13	12	3	3	0	0	0	0
08:00	64	32	27.5	4.9	0	0	0	3	22	27	10	1	1	0	0	0
09:00	104	30.9	26.9	5.1	0	0	1	6	41	40	9	7	0	0	0	0
10:00	145	30.2	25	5.1	0	0	2	24	69	33	13	4	0	0	0	0
11:00	150	29.5	24.3	5.1	0	1	4	30	61	44	9	1	0	0	0	0
12:00	189	29.3	24.5	5.7	1	2	4	31	79	65	5	0	0	0	2	0
13:00	222	29.3	24.2	5	0	1	6	41	109	48	15	1	1	0	0	0
14:00	204	28.8	24.3	4.5	0	0	5	30	110	49	8	2	0	0	0	0
15:00	255	28.3	24	4.1	0	0	1	50	140	54	9	1	0	0	0	0
16:00	238	28.7	23.8	4.9	1	2	8	37	123	57	8	2	0	0	0	0
17:00	235	29.9	25	4.9	0	0	3	35	112	63	17	4	1	0	0	0
18:00	214	29.2	25	4.1	0	0	0	21	122	60	7	4	0	0	0	0
19:00	201	29.1	24.7	4.2	0	0	4	20	112	55	9	1	0	0	0	0
20:00	147	29.9	25.7	4.3	0	0	0	11	75	49	9	3	0	0	0	0
21:00	161	28.5	24	4	0	0	1	31	83	43	3	0	0	0	0	0
22:00	222	28.2	24.2	4.1	1	0	2	23	143	44	7	2	0	0	0	0
23:00	195	29.9	25.6	5.3	0	0	2	19	101	55	12	3	0	3	0	0
12H,7-19	2053	29.5	24.7	4.9	2	6	34	310	1001	552	113	30	3	0	2	0
16H,6-22	2604	29.5	24.7	4.8	2	6	39	374	1297	710	137	34	3	0	2	0
18H,6-24	3021	29.5	24.7	4.8	3	6	43	416	1541	809	156	39	3	3	2	0
24H,0-24	3607	29.6	25	4.7	3	6	43	445	1813	1045	194	48	5	3	2	0

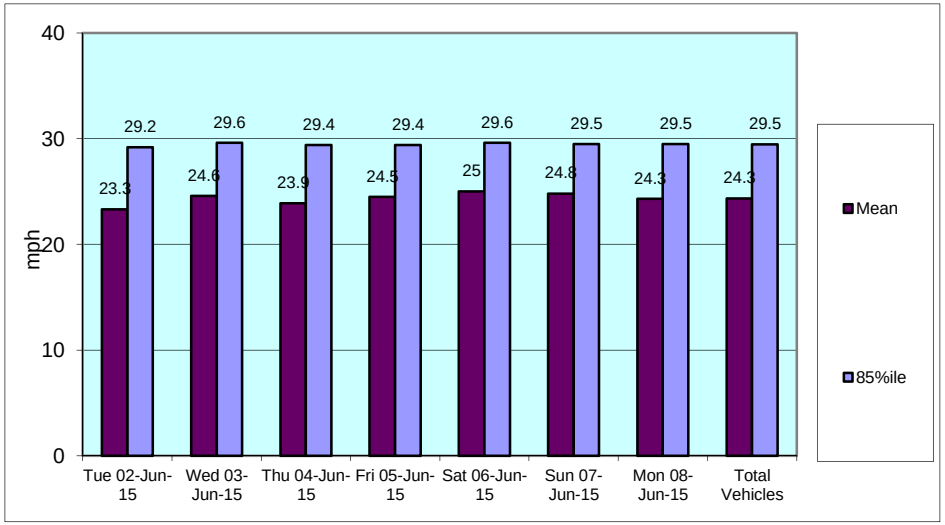
18910			MANCHESTER				Site No: 18910001				Location	Water Street, Manchester (Direction Sign)					
Tue 02-Jun-15 to Mon 08-Jun-15							Channel: Southbound										
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Sun 07-Jun-15																
00:00	177	28.4	24.6	3.5	0	0	0	15	113	45	3	1	0	0	0	0
01:00	177	29.9	25.3	4.6	0	0	1	22	84	55	12	3	0	0	0	0
02:00	130	28.7	24.8	3.5	0	0	0	10	81	35	4	0	0	0	0	0
03:00	113	29.7	26.1	3.8	0	0	0	5	51	53	2	2	0	0	0	0
04:00	96	29.7	25.8	4.4	0	0	0	3	58	27	6	0	2	0	0	0
05:00	42	29.9	26.1	4.5	0	0	0	3	19	17	1	2	0	0	0	0
06:00	30	36	29.2	6.5	0	0	0	1	12	5	7	4	1	0	0	0
07:00	35	29.9	26.2	4.7	0	0	0	2	17	13	1	2	0	0	0	0
08:00	43	29.2	25	5.2	0	0	0	7	22	11	0	3	0	0	0	0
09:00	53	30	25.6	5	0	0	0	5	30	12	3	3	0	0	0	0
10:00	82	30.3	24.8	5.7	0	0	6	12	28	27	8	1	0	0	0	0
11:00	137	29.2	24.3	5	0	0	3	27	65	33	6	2	1	0	0	0
12:00	164	29.3	23.3	6	0	7	5	37	69	32	12	2	0	0	0	0
13:00	168	29.6	24.7	5.5	0	3	3	22	83	44	10	2	0	0	1	0
14:00	176	28.6	24	4.6	0	0	5	30	93	40	7	0	1	0	0	0
15:00	231	28.3	23.9	4.4	0	0	3	45	128	43	10	2	0	0	0	0
16:00	204	29.9	25.3	4.7	0	0	1	27	94	66	14	1	0	1	0	0
17:00	177	28.6	24.5	3.8	0	0	0	21	108	40	8	0	0	0	0	0
18:00	169	29.2	24.9	4.3	0	1	0	17	97	44	7	3	0	0	0	0
19:00	137	29.9	25.3	4.7	0	0	3	14	65	43	10	2	0	0	0	0
20:00	109	29.6	25.2	4	0	0	0	10	60	31	8	0	0	0	0	0
21:00	87	28.5	24.1	4	0	0	0	17	46	21	3	0	0	0	0	0
22:00	90	29.2	24.8	4.5	0	0	0	13	47	25	4	0	1	0	0	0
23:00	79	30	25.6	4.9	0	0	2	3	45	21	6	1	1	0	0	0
12H,7-19	1639	29.3	24.5	4.9	0	11	26	252	834	405	86	21	2	1	1	0
16H,6-22	2002	29.5	24.6	4.9	0	11	29	294	1017	505	114	27	3	1	1	0
18H,6-24	2171	29.5	24.7	4.8	0	11	31	310	1109	551	124	28	5	1	1	0
24H,0-24	2906	29.5	24.8	4.7	0	11	32	368	1515	783	152	36	7	1	1	0

18910			MANCHESTER				Site No: 18910001				Location	Water Street, Manchester (Direction Sign)					
Tue 02-Jun-15 to Mon 08-Jun-15							Channel: Southbound										
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Mon 08-Jun-15																
00:00	**84**	32.8	27.6	4.9	0	0	0	4	29	33	14	4	0	0	0	0
01:00	**72**	30.4	26.3	4.7	0	0	0	4	34	26	6	1	1	0	0	0
02:00	**46**	32.1	27	4.9	0	0	0	2	21	14	7	2	0	0	0	0
03:00	**35**	30.8	27.5	6	0	0	0	4	8	18	3	1	0	1	0	0
04:00	**49**	29.5	25.9	3.7	0	0	0	1	26	20	1	1	0	0	0	0
05:00	**24**	29.7	26.6	3.8	0	0	0	0	11	12	0	1	0	0	0	0
06:00	**58**	32	26.8	4.9	0	0	0	3	27	17	9	2	0	0	0	0
07:00	**136**	30.2	26	4.3	0	0	1	12	53	58	12	0	0	0	0	0
08:00	**163**	30.7	26.8	4.7	0	1	1	8	57	75	17	4	0	0	0	0
09:00	**142**	30.5	26	5.9	1	0	2	12	63	47	11	3	2	0	1	0
10:00	**158**	29.6	24.6	4.9	0	0	2	32	66	47	8	3	0	0	0	0
11:00	**172**	29.9	24.9	5	0	1	2	29	75	50	12	3	0	0	0	0
12:00	**194**	27.7	22.6	5.2	0	4	9	56	84	34	6	0	1	0	0	0
13:00	**230**	29	24.3	4.5	0	0	5	39	115	60	9	2	0	0	0	0
14:00	**222**	29.1	24.4	4.5	0	0	3	34	119	52	13	0	1	0	0	0
15:00	**319**	29.6	24.9	4.6	0	0	2	45	161	87	19	4	1	0	0	0
16:00	**502**	28	23.5	4.4	0	2	18	93	271	105	12	1	0	0	0	0
17:00	**516**	27.6	22	5.8	2	23	46	117	221	90	15	2	0	0	0	0
18:00	**361**	28.3	22.3	6	3	13	37	68	151	76	11	2	0	0	0	0
19:00	**173**	29.6	25.1	4.6	0	0	1	18	98	41	11	3	1	0	0	0
20:00	**153**	30.1	25.9	4.5	0	0	0	14	69	57	10	2	1	0	0	0
21:00	**102**	28.6	24.4	4.2	0	0	0	15	62	18	6	1	0	0	0	0
22:00	**123**	30.6	25.9	4.8	0	0	1	14	51	41	15	1	0	0	0	0
23:00	**70**	29.8	25.5	4.8	0	0	2	6	30	28	2	2	0	0	0	0
12H,7-19	**3115**	**29.1**	**23.8**	**5.3**	**6**	**44**	**128**	**545**	**1436**	**781**	**145**	**24**	**5**	**0**	**1**	**0**
16H,6-22	**3601**	**29.3**	**24.1**	**5.2**	**6**	**44**	**129**	**595**	**1692**	**914**	**181**	**32**	**7**	**0**	**1**	**0**
18H,6-24	**3794**	**29.3**	**24.1**	**5.2**	**6**	**44**	**132**	**615**	**1773**	**983**	**198**	**35**	**7**	**0**	**1**	**0**
24H,0-24	**4104**	**29.5**	**24.3**	**5.2**	**6**	**44**	**132**	**630**	**1902**	**1106**	**229**	**45**	**8**	**1**	**1**	**0**

18910	MANCHESTER	Site No: 18910001	Location	Water Street, Manchester (Direction Sign)
Tue 02-Jun-15 to Mon 08-Jun-15		Channel: Southbound		

Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Daily Totals																
Tue 02-Jun-15	**3934**	29.2	23.3	6.1	19	134	239	676	1698	902	213	43	7	2	1	0
Wed 03-Jun-15	**4224**	29.6	24.6	5.1	6	30	109	593	1982	1200	244	45	13	1	0	1
Thu 04-Jun-15	**4226**	29.4	23.9	5.7	32	90	182	659	1904	1069	233	50	6	0	0	1
Fri 05-Jun-15	**4636**	29.4	24.5	4.9	5	24	128	643	2323	1215	244	44	8	0	2	0
Sat 06-Jun-15	**3607**	29.6	25	4.7	3	6	43	445	1813	1045	194	48	5	3	2	0
Sun 07-Jun-15	**2906**	29.5	24.8	4.7	0	11	32	368	1515	783	152	36	7	1	1	0
Mon 08-Jun-15	**4104**	29.5	24.3	5.2	6	44	132	630	1902	1106	229	45	8	1	1	0
Total Vehicles																
[--]	**27637**	29.5	24.3	5.2	71	339	865	4014	13137	7320	1509	311	54	8	7	2

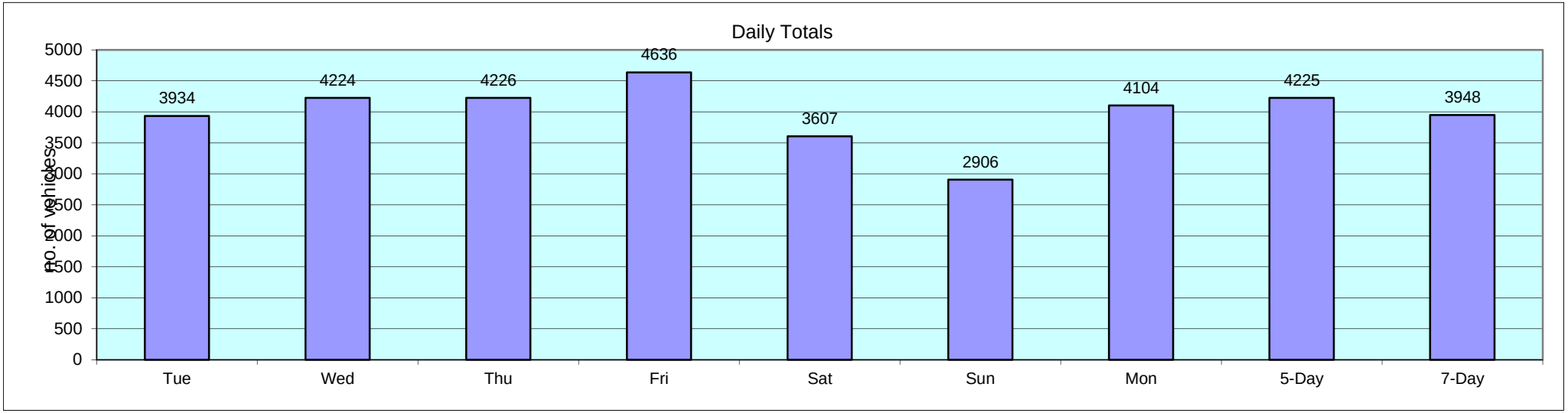




18910		MANCHESTER		Site No: 18910001 Channel: Southbound		Location	Water Street, Manchester (Direction Sign)		
TIME PERIOD	Tue 02/06/15	Wed 03/06/15	Thu 04/06/15	Fri 05/06/15	Sat 06/06/15	Sun 07/06/15	Mon 08/06/15	5-Day Av	7-Day Av
Week Begin: 02-Jun-15									
00:00	**34**	36	71	86	147	177	84	62	91
01:00	**19**	29	46	51	134	177	72	43	75
02:00	**11**	16	22	35	123	130	46	26	55
03:00	**9**	19	27	37	76	113	35	25	45
04:00	**13**	13	13	29	81	96	49	23	42
05:00	**14**	21	33	22	25	42	24	23	26
06:00	**49**	58	56	53	42	30	58	55	49
07:00	**143**	149	157	135	33	35	136	144	113
08:00	**163**	171	194	200	64	43	163	178	143
09:00	**133**	137	159	150	104	53	142	144	125
10:00	**153**	152	133	176	145	82	158	154	143
11:00	**163**	170	142	187	150	137	172	167	160
12:00	**220**	213	191	211	189	164	194	206	197
13:00	**265**	215	223	234	222	168	230	233	222
14:00	**208**	274	262	296	204	176	222	252	235
15:00	**350**	385	350	365	255	231	319	354	322
16:00	**492**	520	439	517	238	204	502	494	416
17:00	**436**	496	480	538	235	177	516	493	411
18:00	**357**	407	383	352	214	169	361	372	320
19:00	**208**	234	216	226	201	137	173	211	199
20:00	**184**	178	189	191	147	109	153	179	164
21:00	**151**	124	151	142	161	87	102	134	131
22:00	**104**	111	172	232	222	90	123	148	151
23:00	**55**	96	117	171	195	79	70	102	112
12H,7-19	**3083**	**3289**	**3113**	**3361**	**2053**	**1639**	**3115**	**3192**	**2808**
16H,6-22	**3675**	**3883**	**3725**	**3973**	**2604**	**2002**	**3601**	**3771**	**3352**
18H,6-24	**3834**	**4090**	**4014**	**4376**	**3021**	**2171**	**3794**	**4022**	**3614**
24H,0-24	**3934**	**4224**	**4226**	**4636**	**3607**	**2906**	**4104**	**4225**	**3948**
Am	**11:00**	**08:00**	**08:00**	**08:00**	**11:00**	**01:00**	**11:00**	**-**	**-**
Peak	**163**	**171**	**194**	**200**	**150**	**177**	**172**	**180**	**175**
Pm	**16:00**	**16:00**	**17:00**	**17:00**	**15:00**	**15:00**	**17:00**	**-**	**-**
Peak	**492**	**520**	**480**	**538**	**255**	**231**	**516**	**509**	**433**

18910	MANCHESTER	Site No: 18910001	Location	Water Street, Manchester (Direction Sign)
		Channel: Southbound		

TIME PERIOD	Tue 02/06/15	Wed 03/06/15	Thu 04/06/15	Fri 05/06/15	Sat 06/06/15	Sun 07/06/15	Mon 08/06/15	5-Day Av	7-Day Av



Description: **B5225 Water St** Direction: **South-West Bound From Node 4219**
TDC/8597/8 B5225 Water St/A6143 Liverpool Rd
Local Area: **Manchester City Centre** Associated Data: **Video survey**
Carried out: **Tuesday, 19 March 2013** From **6.30** To **19.00** **Discontinuous: At 15 Minute Intervals**

Location: OSGR: **Easting 382895** Northing **397869** District: **Manchester** Client: **Manchester**
Special Conditions: **Last hour counted on 16-04-13**
Count Details: **Classified Turn Count** NIS Junction Node **2292** GMTU Batch Ref. No: **1303099**

All Counts

Start Time	Mins Ctd	A6143 Liverpool Rd East Bound Left to node 8571						A6143 Water St South-West Bound Straight on to node 5840						ALL EXITS					
PCU factors		Car 1.0	LGV 1.0	OGV 1.9	Bus 2.0	Total* Vehs	Total PCUs	Car 1.0	LGV 1.0	OGV 1.9	Bus 2.0	Total* Vehs	Total PCUs	Car 1.0	LGV 1.0	OGV 1.9	Bus 2.0	Total* Vehs	Total PCUs
6.30	15	11	0	0	0	11	11	8	0	1	0	9	10	19	0	1	0	20	21
6.45	15	11	3	0	0	14	14	13	2	2	0	17	19	24	5	2	0	31	33
7.00	15	12	1	0	0	13	13	27	1	0	0	28	28	39	2	0	0	41	41
7.15	15	21	2	0	0	23	23	23	3	2	0	28	30	44	5	2	0	51	53
7.30	15	21	2	0	0	23	23	29	5	1	0	35	36	50	7	1	0	58	59
7.45	15	13	1	0	0	14	14	37	3	2	0	42	44	50	4	2	0	56	58
8.00	15	22	1	0	0	23	23	32	4	2	0	38	40	54	5	2	0	61	63
8.15	15	21	4	0	0	**25**	***25***	30	3	1	0	34	35	51	7	1	0	59	60
8.30	15	31	1	0	0	**32**	***32***	39	9	3	0	51	54	70	10	3	0	83	86
8.45	15	32	0	0	0	**32**	***32***	37	4	2	0	43	45	69	4	2	0	75	77
9.00	15	26	2	0	0	**28**	***28***	24	4	2	0	30	32	50	6	2	0	58	60
9.15	15	21	1	0	0	22	22	19	2	1	0	22	23	40	3	1	0	44	45
10.00	15	11	1	1	0	13	14	21	0	1	2	24	27	32	1	2	2	37	41
10.15	15	6	0	0	0	6	6	22	3	4	1	30	35	28	3	4	1	36	41
10.30	15	9	0	0	0	9	9	16	6	0	3	25	28	25	6	0	3	34	37
10.45	15	3	5	0	0	8	8	10	3	0	0	13	13	13	8	0	0	21	21
11.00	15	7	1	0	0	8	8	15	4	1	0	20	21	22	5	1	0	28	29
11.15	15	6	1	0	0	7	7	20	9	0	1	30	31	26	10	0	1	37	38
11.30	15	14	2	0	0	16	16	27	3	1	1	32	34	41	5	1	1	48	50
11.45	15	5	1	1	0	7	8	25	5	1	2	33	36	30	6	2	2	40	44
16.00	15	13	3	0	0	16	16	55	5	0	0	60	60	68	8	0	0	76	76
16.15	15	14	0	0	0	14	14	57	2	0	0	59	59	71	2	0	0	73	73
16.30	15	13	0	0	0	13	13	72	5	1	0	**78**	***79***	85	5	1	0	**91**	***92***
16.45	15	26	4	0	0	30	30	49	3	0	0	**52**	***52***	75	7	0	0	**82**	***82***
17.00	15	25	1	0	0	26	26	56	7	3	0	**66**	***69***	81	8	3	0	**92**	***95***
17.15	15	23	1	0	1	25	26	64	1	1	0	**66**	***67***	87	2	1	1	**91**	***93***
17.30	15	15	2	0	0	17	17	61	0	1	0	62	63	76	2	1	0	79	80
17.45	15	22	0	0	0	22	22	61	1	0	0	62	62	83	1	0	0	84	84
18.00	15	11	0	0	0	11	11	53	2	0	1	56	57	64	2	0	1	67	68
18.15	15	15	1	0	0	16	16	57	3	0	0	60	60	72	4	0	0	76	76
18.30	15	21	2	0	0	23	23	75	2	0	0	77	77	96	4	0	0	100	100
18.45	15	16	0	0	0	16	16	55	2	0	0	57	57	71	2	0	0	73	73
Totals		**517**	**43**	**2**	**1**	**563**	**566**	**1189**	**106**	**33**	**11**	**1339**	**1380**	**1706**	**149**	**35**	**12**	**1902**	**1946**

- Indicates the Rolling Peak 60 Minutes (based on All Motors)
- Indicates the Rolling Peak 60 Minutes (based on PCUs)

*** Excludes Cycles**

Description: **A6143 Liverpool Rd** Direction: **West Bound From Node 8571**
TDC/8597/8 B5225 Water St/A6143 Liverpool Rd
Local Area: **Manchester City Centre** Associated Data: **Video survey**
Carried out: **Tuesday, 19 March 2013** From **6.30** To **19.00** **Discontinuous: At 15 Minute Intervals**

Location: OSGR: **Easting 382895** Northing **397869** District: **Manchester** Client: **Manchester**
Special Conditions: **Last hour counted on 16-04-13**
Count Details: **Classified Turn Count** NIS Junction Node **2292** GMTU Batch Ref. No: **1303098**

All Counts

Start Time	Mins Ctd	A6143 Water St South-West Bound Left to node 5840						B5225 Water St North-East Bound Right to node 4219						ALL EXITS					
PCU factors		Car 1.0	LGV 1.0	OGV 1.9	Bus 2.0	Total* Vehs	Total PCUs	Car 1.0	LGV 1.0	OGV 1.9	Bus 2.0	Total* Vehs	Total PCUs	Car 1.0	LGV 1.0	OGV 1.9	Bus 2.0	Total* Vehs	Total PCUs
6.30	**15**	4	1	2	1	8	11	2	0	1	0	3	4	6	1	3	1	11	15
6.45	**15**	6	0	0	1	7	8	5	0	0	0	5	5	11	0	0	1	12	13
7.00	**15**	12	0	0	0	12	12	4	0	1	0	5	6	16	0	1	0	17	18
7.15	**15**	16	1	0	1	18	19	8	2	0	0	10	10	24	3	0	1	28	29
7.30	**15**	28	1	0	1	30	31	10	0	0	0	10	10	38	1	0	1	40	41
7.45	**15**	32	1	0	1	34	35	21	0	0	0	21	21	53	1	0	1	55	56
8.00	**15**	22	4	1	1	28	30	12	0	0	0	12	12	34	4	1	1	40	42
8.15	**15**	20	2	1	1	24	26	14	2	2	0	18	20	34	4	3	1	42	46
8.30	**15**	21	3	1	1	26	28	11	2	1	0	14	15	32	5	2	1	40	43
8.45	**15**	25	4	3	1	33	37	25	2	0	0	27	27	50	6	3	1	60	64
9.00	**15**	20	3	0	1	24	25	19	0	0	0	19	19	39	3	0	1	43	44
9.15	**15**	14	2	1	1	18	20	32	1	2	0	35	37	46	3	3	1	53	57
10.00	**15**	13	5	0	6	24	30	7	1	1	0	9	10	20	6	1	6	33	40
10.15	**15**	25	5	0	4	34	38	7	0	0	0	7	7	32	5	0	4	41	45
10.30	**15**	12	4	0	6	22	28	15	3	0	0	18	18	27	7	0	6	40	46
10.45	**15**	12	3	0	6	21	27	8	2	1	0	11	12	20	5	1	6	32	39
11.00	**15**	21	5	1	2	29	32	4	1	0	0	5	5	25	6	1	2	34	37
11.15	**15**	21	3	2	8	34	44	6	1	1	0	8	9	27	4	3	8	42	53
11.30	**15**	24	5	0	3	32	35	6	1	1	0	8	9	30	6	1	3	40	44
11.45	**15**	19	4	0	8	31	39	16	1	1	2	20	23	35	5	1	10	51	62
16.00	**15**	60	10	1	2	73	76	18	2	0	1	21	22	78	12	1	3	94	98
16.15	**15**	77	17	0	1	95	96	24	1	0	0	25	25	101	18	0	1	120	121
16.30	**15**	84	5	2	1	**92**	***95***	30	1	0	0	**31**	***31***	114	6	2	1	**123**	***126***
16.45	**15**	87	8	2	2	**99**	***103***	29	2	0	0	**31**	***31***	116	10	2	2	**130**	***134***
17.00	**15**	86	3	2	1	**92**	***95***	34	3	0	0	**37**	***37***	120	6	2	1	**129**	***132***
17.15	**15**	103	0	0	2	**105**	***107***	26	2	0	0	**28**	***28***	129	2	0	2	**133**	***135***
17.30	**15**	78	6	0	2	86	88	25	0	1	0	26	27	103	6	1	2	112	115
17.45	**15**	92	3	1	1	97	99	25	3	0	0	28	28	117	6	1	1	125	127
18.00	**15**	83	3	0	1	87	88	29	1	0	0	30	30	112	4	0	1	117	118
18.15	**15**	57	3	0	1	61	62	32	2	0	0	34	34	89	5	0	1	95	96
18.30	**15**	51	1	0	1	53	54	20	0	0	0	20	20	71	1	0	1	73	74
18.45	**15**	44	4	0	2	50	52	26	1	0	1	28	29	70	5	0	3	78	81
Totals		**1269**	**119**	**20**	**71**	**1479**	**1568**	**550**	**37**	**13**	**4**	**604**	**620**	**1819**	**156**	**33**	**75**	**2083**	**2188**

- Indicates the Rolling Peak 60 Minutes (based on All Motors)
- Indicates the Rolling Peak 60 Minutes (based on PCUs)

*** Excludes Cycles**

Description: **A6143 Water St** Direction: **North-East Bound From Node 5840**
TDC/8597/8 B5225 Water St/A6143 Liverpool Rd
Local Area: **Manchester City Centre** Associated Data: **Video survey**
Carried out: **Tuesday, 19 March 2013** From **6.30** To **19.00** **Discontinuous: At 15 Minute Intervals**

Location: OSGR: **Easting 382895** Northing **397869** District: **Manchester** Client: **Manchester**
Special Conditions: **Last hour counted on 16-04-13**
Count Details: **Classified Turn Count** NIS Junction Node **2292** GMTU Batch Ref. No: **1303097**

All Counts

Start Time	Mins Ctd	B5225 Water St North-East Bound Straight on to node 4219						A6143 Liverpool Rd East Bound Right to node 8571						ALL EXITS					
PCU factors		Car 1.0	LGV 1.0	OGV 1.9	Bus 2.0	Total* Vehs	Total PCUs	Car 1.0	LGV 1.0	OGV 1.9	Bus 2.0	Total* Vehs	Total PCUs	Car 1.0	LGV 1.0	OGV 1.9	Bus 2.0	Total* Vehs	Total PCUs
6.30	15	16	2	0	0	18	18	19	3	0	1	23	24	35	5	0	1	41	42
6.45	15	16	4	2	0	22	24	20	7	1	1	29	31	36	11	3	1	51	55
7.00	15	25	3	1	0	29	30	23	4	0	1	28	29	48	7	1	1	57	59
7.15	15	39	0	0	0	39	39	33	3	2	1	39	42	72	3	2	1	78	81
7.30	15	34	2	1	0	37	38	30	2	0	1	33	34	64	4	1	1	70	72
7.45	15	38	3	0	0	41	41	38	3	2	1	44	47	76	6	2	1	85	88
8.00	15	40	6	1	0	47	48	26	4	2	2	34	38	66	10	3	2	81	86
8.15	15	34	3	1	1	39	41	31	1	0	1	33	34	65	4	1	2	72	75
8.30	15	43	3	0	0	**46**	***46***	43	3	0	1	**47**	***48***	86	6	0	1	**93**	***94***
8.45	15	44	1	1	0	**46**	***47***	44	2	0	1	**47**	***48***	88	3	1	1	**93**	***95***
9.00	15	53	5	2	0	**60**	***62***	37	4	0	2	**43**	***45***	90	9	2	2	**103**	***107***
9.15	15	61	8	4	0	**73**	***77***	34	3	1	2	**40**	***43***	95	11	5	2	**113**	***120***
10.00	15	34	1	0	0	35	35	27	1	1	4	33	38	61	2	1	4	68	73
10.15	15	30	6	0	2	38	40	26	4	1	1	32	34	56	10	1	3	70	74
10.30	15	32	3	0	0	35	35	17	3	0	4	24	28	49	6	0	4	59	63
10.45	15	23	7	2	0	32	34	21	1	0	1	23	24	44	8	2	1	55	58
11.00	15	13	4	1	0	18	19	18	3	1	2	24	27	31	7	2	2	42	46
11.15	15	26	2	1	0	29	30	16	3	0	4	23	27	42	5	1	4	52	57
11.30	15	16	1	0	0	17	17	24	1	1	2	28	31	40	2	1	2	45	48
11.45	15	20	4	0	0	24	24	19	1	1	4	25	30	39	5	1	4	49	54
16.00	15	9	2	0	0	11	11	13	0	0	1	14	15	22	2	0	1	25	26
16.15	15	21	2	1	0	24	25	16	1	0	1	18	19	37	3	1	1	42	44
16.30	15	21	3	1	0	25	26	16	0	0	0	16	16	37	3	1	0	41	42
16.45	15	17	2	0	0	19	19	23	0	0	1	24	25	40	2	0	1	43	44
17.00	15	17	1	0	0	18	18	13	3	0	1	17	18	30	4	0	1	35	36
17.15	15	23	0	0	0	23	23	20	1	0	2	23	25	43	1	0	2	46	48
17.30	15	14	1	0	0	15	15	20	1	0	0	21	21	34	2	0	0	36	36
17.45	15	23	1	1	0	25	26	20	0	0	1	21	22	43	1	1	1	46	48
18.00	15	12	0	0	0	12	12	21	0	0	1	22	23	33	0	0	1	34	35
18.15	15	26	1	0	0	27	27	31	0	0	2	33	35	57	1	0	2	60	62
18.30	15	19	0	0	1	20	21	25	0	0	0	25	25	44	0	0	1	45	46
18.45	15	23	2	0	1	26	27	29	0	0	0	29	29	52	2	0	1	55	56
Totals		**862**	**83**	**20**	**5**	**970**	**993**	**793**	**62**	**13**	**47**	**915**	**974**	**1655**	**145**	**33**	**52**	**1885**	**1967**

- Indicates the Rolling Peak 60 Minutes (based on All Motors)
- Indicates the Rolling Peak 60 Minutes (based on PCUs)

*** Excludes Cycles**

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APPENDIX C

TRANSPORT FOR GREATER MANCHESTER

Transport for Greater Manchester

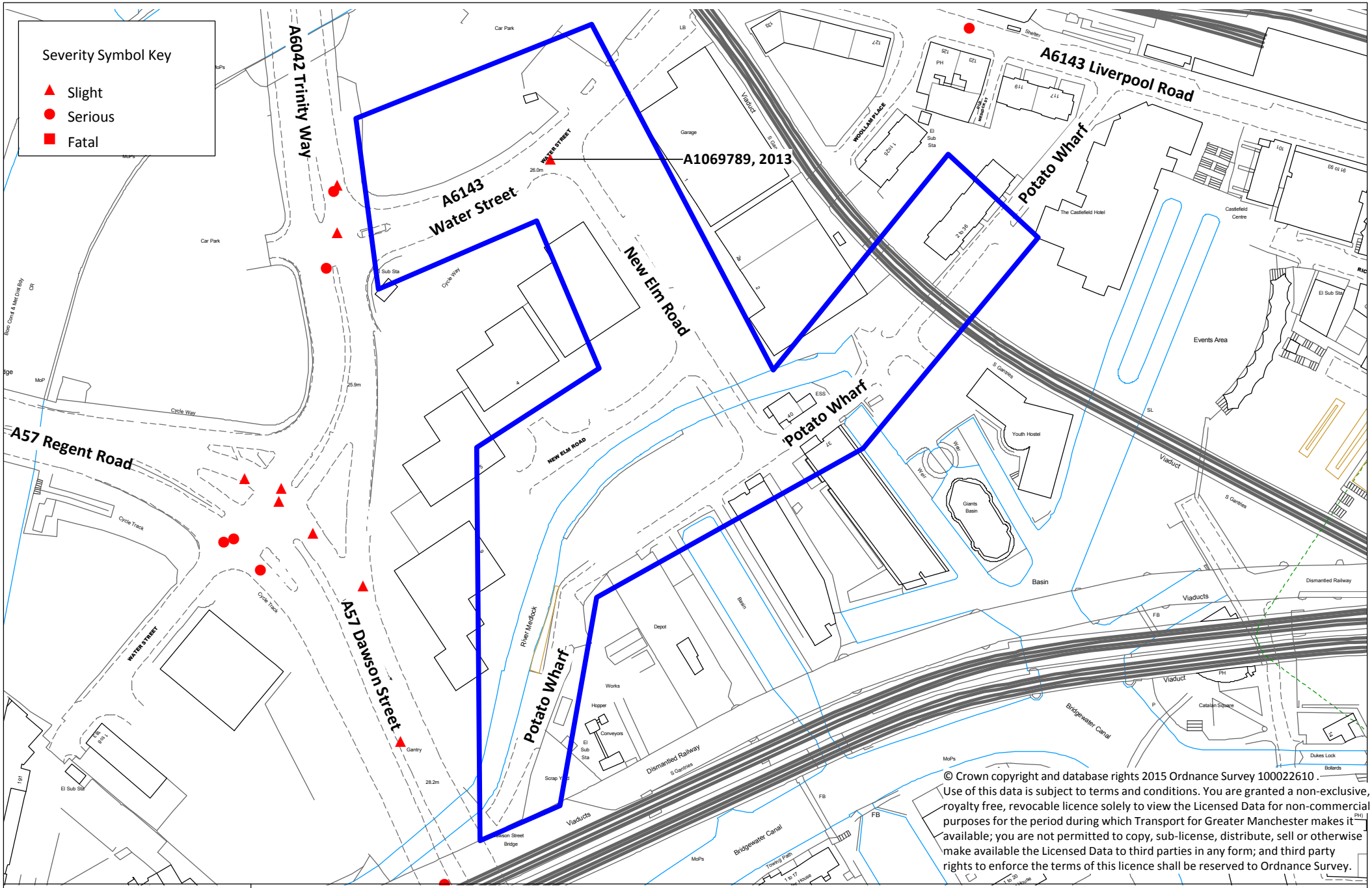
Traffic Accident Data for

David Tucker Associates

Ronan Delargy

Forester House,
Doctors Lane,
Henley in Arden
Warwickshire
B95 5AW

Reported Road Injury Accidents in the Specified Area of Potato Wharf, New Elm Road & A6143 Water Street Manchester
01/02/2010 - 31/01/2015



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Transport for Greater Manchester
2 Piccadilly Place,
Manchester,
M1 3BG

Reported Road Injury Accidents in Specified area of Potato Wharf, New Elm Road & A6143 Water Street, Manchester, 01/02/2010 to 31/01/2015

Drawn By : D. Hawkins

Note: A road accident which occurs at or within 20m of a junction, is coded as a junction accident

Date : 28/05/2015

TRANSPORT FOR GREATER MANCHESTER



Reported Road Injury Accidents in the Specified Area of
Potato Wharf, New Elm Road & A6143 Water Street, Manchester.
01/02/2010 - 31/01/2015

Severity	Feb – Dec 2010	2011	2012	2013	2014	Jan 2015	Total
Fatal	0	0	0	0	0	0	**0**
Serious	0	0	0	0	0	0	**0**
Slight	0	0	0	1	0	0	**1**
Total	**0**	**0**	**0**	**1**	**0**	**0**	**1**

Standard Totals Report : Road Injury Accidents in Specified area of Potato Wharf, New Elm Road & A6143 Water Street, Manchester, 01/02/2010 to 31/01/2015

Accidents

Slight	1
Total Accidents	**1**

Casualties By Age and Sex

Severity	0 - 15	16 - 59	60 - 69	70 +	Total
Slight					
Female	0	1	0	0	1
Total	**0**	**1**	**0**	**0**	**1**
Total Casualties	**0**	**1**	**0**	**0**	**1**

Casualties By Age and Class

Severity	0 - 15	16 - 59	60 - 69	70 +	Total
Slight					
Driver or rider	0	1	0	0	1
Total	**0**	**1**	**0**	**0**	**1**
Total Casualties	**0**	**1**	**0**	**0**	**1**

Standard Report - Road Injury Accidents in Specified area of Potato Wharf, New Elm Road & A6143 Water Street, Manchester, 01/02/2010 to 31/01/2015

This printout has been generated from the Transport for Greater Manchester's database of road traffic accident records using the query system, GMAXI.

The road traffic accident database contains STATS19 data supplied by Greater Manchester Police and further validated by the Highways Forecasting and Analytical Services (HFAS) section of Transport for Greater Manchester. It is maintained by HFAS on behalf of the ten District Councils in Greater Manchester.

This information is provided for the sole use of the recipient. It may not be sold, lent, hired out, or in any other way disclosed to a third party nor may it be reproduced in any form which may be obtained by a third party.

Accident Reference Number: A1069789 **Day:** Tuesday **Date:** 15/01/2013 **Time** 19:00

Place Reported: Else **District:** Manchester

Location: Water Street at junction with New Elm Road

Description: V1 Turned Left Into Path Of V2

Locational Details

Road:	A6143/U	Junction Details:	Tjun
OSGR:	382831 397793	Junction Control:	GW
Speed Limit:	30	Ped Crossing:	

Conditions

Road Surface:	Dry
Light Conditions:	Dark
Weather Conditions:	Fine

Accident Details

Severity:	Slight
No. of Vehicles:	2
No. of Casualties:	1

Contributory Factors

Factor	Conf	Ref
DGWor	VLike	V1
DJnOv	VLike	V1
DTurn	Poss	V1

Vehicle Details

Type	Move	From	To	Skid
Car	TurnL	SE	SW	
p/c	Ahea	NE	SW	O/tn

Casualty Details

Type	Sex	Age	Sev	Pupil
1 Rid	F	27	Slight	

Abbreviations used in GMAXI Reports for New Contributory Factors - 2005/06

WARNING: Please note that -
Codes 101 to 999 only relate to accidents from 1 April 2005. - New National Factors introduced by DfT
Codes 1001 to 1154 relate to accidents from 1 April 1999 to 31 March 2005 only. - Local Factors introduced
Accidents before 1 April 1999 do not have contributory factors attached.

Code	ContribFactor1Name	ContribFactor1Abb
0	None	
101	Poor or defective road surface	Surf
102	Deposit on road (eg oil, mud, chippings)	Dposit
103	Slippery road (due to weather)	Slip
104	Inadequate/masked signs or road markings	Mark
105	Defective traffic signals	DefATS
106	Traffic calming (eg speed cushions, road humps, chicanes)	TCalm
107	Temporary road layout (eg contraflow)	TmpRd
108	Road layout (eg bend, hill, narrow carriageway)	RdLay
109	Animal or object in carriageway	ObjInC
201	Tyres illegal, defective or under inflated	VTyres
202	Defective lights or indicators	VLight
203	Defective brakes	VBrake
204	Defective steering or suspension	VSteer
205	Defective or missing mirrors	VMirr
206	Overloaded or poorly loaded vehicle or trailer	VLoad
301	Disobeyed automatic traffic signal	DATS
302	Disobeyed Give Way or Stop sign or markings	DGWorS
303	Disobeyed double white line	DWhite
304	Disobeyed pedestrian crossing facility	DPedX
305	Illegal turn or direction of travel	DITurn
306	Exceeding speed limit	DSpeed
307	Travelling too fast for conditions	DFast
308	Following too close	DTgate
309	Vehicle travelling along pavement	DPave
310	Cyclist entering road from pavement	DCPave
401	Junction overshoot	DJnOvr
402	Junction restart	DJnRst
403	Poor turn or manoeuvre	DTurn
404	Failed to signal/misleading signal	DSign
405	Failed to look properly	DFLook
406	Failed to judge other person's path or speed	DJudge
407	Passing too close to cyclist, horse rider or pedestrian	DClose
408	Sudden braking	DBrake
409	Swerved	DSwerv
410	Loss of control	DLossC
501	Impaired by alcohol	DAlcoh
502	Impaired by drugs (illicit or medicinal)	DDrugs
503	Fatigue	DTired
504	Uncorrected, defective eyesight	DEye
505	Illness or disability, mental or physical	DIllns
506	Not displaying lights at night or in poor visibility	DNoLit
507	Cyclist wearing dark clothing at night	DCDark
508	Driver using mobile phone	DMobPh
509	Distraction in vehicle	DDisIn
510	Distraction outside vehicle	DDisOu
601	Aggressive driving	DAggre
602	Careless/reckless/in a hurry	DCare

603	Nervous/uncertain/panic	DPanic
604	Driving too slow or conditions or slow vehicle (eg tractor)	DSlow
605	Learner or inexperienced driver/rider	DLearn
606	Inexperience of driving on the left	DInDrL
607	Inexperience with type of vehicle	DInVeh
701	Stationary or parked vehicle(s)	DStat
702	Vegetation	DVeg
703	Road layout (eg bend, winding road, hill crest)	DRdLay
704	Buildings, road signs, street furniture	DBuild
705	Dazzling headlights	DHLigt
706	Dazzling sun	DSun
707	Rain, sleet, snow, or fog	DRain
708	Spray from other vehicles	DFog
709	Visor or windscreen dirty or scratched	DSpray
710	Vehicle blind spot	DWscrn
801	Crossed road masked by stationary or parked vehicle	PXMask
802	Failed to look properly	PFLook
803	Failed to judge vehicle's path or speed	PJudge
804	Wrong use of pedestrian crossing facility	PPedX
805	Dangerous action in carriageway (eg playing)	PDange
806	Impaired by alcohol	PAlcoh
807	Impaired by drugs (illicit or medicinal)	PDrugs
808	Careless/reckless/in a hurry	PCare
809	Pedestrian wearing dark clothing at night	PCloth
810	Disability or illness, mental or physical	PIllns
901	Stolen vehicle	StoVeh
902	Vehicle in course of crime	VCrime
903	Emergency vehicle on call	EmVeh
904	Vehicle door opened or closed negligently	VDoor
999	Other	Other
1001	Failed to stop (mandatory sign)	Fstop
1002	Failed to give way	Fgive
1003	Failed to avoid pedestrian (pedestrian not to blame)	FAPed
1004	Failed to avoid vehicle or object in carriageway	FAObj
1005	Failure to signal/misleading signal	Fsig
1006	Loss of control of vehicle	Loss
1007	Pedestrian entered carriageway without due care	Ped
1008	Passenger fell in or near PSV	Pfell
1009	Swerved to avoid object in carriageway	Swerv
1010	Sudden braking	Brake
1011	Poor turn/manoeuvre	Turn
1012	Poor overtaking	Over
1013	Drove wrong way (e.g. 1-way street)	1Way
1014	Opening door carelessly	Door
1015	Other	Other
1101	Impairment alcohol	Alcoh
1102	Impairment drugs	Drugs
1103	Impairment fatigue	Tired
1104	Impairment illness	Ill
1105	Distraction stress/emotional state of mind	Stress
1106	Distraction physical in/on vehicle	DPhIn
1107	Distraction physical outside vehicle	DPhOut
1108	Behaviour panic	Panic
1109	Behaviour careless/thoughtless/reckless	Care
1110	Behaviour nervous/uncertain	Nerve
1111	Behaviour in a hurry	Hurry

1112	Failure to judge other person's path or speed	Fjudg
1113	Disability	Disab
1114	Failed to look	F2look
1115	Looked but did not see	Nsee
1116	Inattention	Inatt
1117	Person hit wore dark or inconspicuous clothing	Cloth
1118	Other (Personal details)	Pother
1119	Crossed from behind parked vehicle etc	Cross
1120	Ignored lights at crossing	Xlight
1121	Excessive Speed	Speed
1122	Following too close	Tgate
1123	Inexperience of driving	InDri
1124	Inexperience of vehicle	InVeh
1125	Interaction or competition with other road users	Users
1126	Aggressive driving	Aggr
1127	Lack of judgement of own path	Judge
1128	Tyres wrong pressure	Press
1129	Tyres deflation before impact	Deflat
1130	Tyres worn/insufficient tread	Tread
1131	Defective lights or signals	Signal
1132	Defective brakes	Brakes
1133	Other (Vehicle defects)	Vother
1134	Site details poor road surface	Surf
1135	Site details poor/no street lighting	Lightg
1136	Site details inadequate signing	Sign
1137	Site details steep hill	Hill
1138	Site details narrow road	Narr
1139	Site details bend/winding road	Rbend
1140	Site details roadworks	Works
1141	Slippery road	Slip
1142	High winds	Winds
1143	Earlier accident	Earli
1144	Other (Local conditions)	Lother
1145	View windows obscured	Obs
1146	View glare from sun	Glare
1147	View glare from headlights	Head
1148	Surroundings bend/winding road	Bend
1149	Surroundings stationary parked vehicle	Stat
1150	Surroundings moving vehicle	Move
1151	Surroundings buildings, fences, vegetation etc	Fence
1152	Weather (e.g. mist or sleet)	Weath
1153	Failed to see pedestrian or vehicle in blindspot	Blind
1154	Animal out of control	Animal
9999	GMP Out of Range	OoR

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APPENDIX D

Calculation Reference: AUDIT-623801-150507-0519

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL
Category : C - FLATS PRIVATELY OWNED
MULTI-MODAL VEHICLES

Selected regions and areas:

02	SOUTH EAST		
	EX	ESSEX	2 days
	SC	SURREY	1 days
03	SOUTH WEST		
	DC	DORSET	1 days
06	WEST MIDLANDS		
	WM	WEST MIDLANDS	1 days
08	NORTH WEST		
	CH	CHESHIRE	1 days
	GM	GREATER MANCHESTER	2 days

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

Filtering Stage 2 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: Number of dwellings
Actual Range: 6 to 154 (units:)
Range Selected by User: 6 to 154 (units:)

Public Transport Provision:
Selection by: Include all surveys

Date Range: 01/01/07 to 13/05/14

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	1 days
Tuesday	3 days
Thursday	1 days
Friday	3 days

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

Selected survey types:

Manual count	8 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 undertaking using machines.

Selected Locations:

Town Centre	2
Edge of Town Centre	6

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	5
Built-Up Zone	2
No Sub Category	1

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

Filtering Stage 3 selection:

Use Class:

C3	8 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 1 mile:

10,001 to 15,000	2 days
15,001 to 20,000	1 days
20,001 to 25,000	1 days
25,001 to 50,000	4 days

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

Population within 5 miles:

50,001 to 75,000	1 days
125,001 to 250,000	3 days
250,001 to 500,000	2 days
500,001 or More	2 days

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

Car ownership within 5 miles:

0.6 to 1.0	2 days
1.1 to 1.5	6 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:

No	8 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.

LIST OF SITES relevant to selection parameters

1 CH-03-C-01 BLOCKS OF FLATS CHESHIRE
NEW CRANE STREET

CHESTER
Edge of Town Centre
Residential Zone
Total Number of dwellings: 60
Survey date: FRIDAY 17/10/08 Survey Type: MANUAL

2 DC-03-C-01 BLOCKS OF FLATS DORSET
ABBOTSBURY ROAD

WEYMOUTH
Edge of Town Centre
Residential Zone
Total Number of dwellings: 27
Survey date: TUESDAY 08/07/08 Survey Type: MANUAL

3 EX-03-C-01 FLATS ESSEX
WESTCLIFF PARADE
WESTCLIFF
SOUTHEND-ON-SEA
Edge of Town Centre
Residential Zone
Total Number of dwellings: 6
Survey date: TUESDAY 22/10/13 Survey Type: MANUAL

4 EX-03-C-02 BLOCK OF FLATS ESSEX
WESTCLIFF PARADE
WESTCLIFF
SOUTHEND-ON-SEA
Edge of Town Centre
Residential Zone
Total Number of dwellings: 94
Survey date: TUESDAY 22/10/13 Survey Type: MANUAL

5 GM-03-C-02 BLOCK OF FLATS GREATER MANCHESTER
WHITWORTH STREET W.

MANCHESTER
Town Centre
Built-Up Zone
Total Number of dwellings: 154
Survey date: THURSDAY 13/10/11 Survey Type: MANUAL

6 GM-03-C-03 BLOCK OF FLATS GREATER MANCHESTER
FAIRFIELD STREET

MANCHESTER
Town Centre
Built-Up Zone
Total Number of dwellings: 20
Survey date: FRIDAY 14/10/11 Survey Type: MANUAL

7 SC-03-C-01 FLATS SURREY
HEATHCOTE ROAD

CAMBERLEY
Edge of Town Centre
Residential Zone
Total Number of dwellings: 140
Survey date: MONDAY 21/07/08 Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

8 WM-03-C-03 FLATS WEST MIDLANDS
LODE LANE

SOLIHULL
Edge of Town Centre
No Sub Category
Total Number of dwellings: 60
Survey date: FRIDAY 21/09/07 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/C - FLATS PRIVATELY OWNED
MULTI-MODAL VEHICLES
Calculation factor: 1 DWELLS
BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	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	8	70	0.025	8	70	0.105	8	70	0.130
08:00 - 09:00	8	70	0.057	8	70	0.176	8	70	0.233
09:00 - 10:00	8	70	0.059	8	70	0.073	8	70	0.132
10:00 - 11:00	8	70	0.077	8	70	0.071	8	70	0.148
11:00 - 12:00	8	70	0.059	8	70	0.059	8	70	0.118
12:00 - 13:00	8	70	0.075	8	70	0.082	8	70	0.157
13:00 - 14:00	8	70	0.080	8	70	0.100	8	70	0.180
14:00 - 15:00	8	70	0.075	8	70	0.073	8	70	0.148
15:00 - 16:00	8	70	0.080	8	70	0.066	8	70	0.146
16:00 - 17:00	8	70	0.096	8	70	0.073	8	70	0.169
17:00 - 18:00	8	70	0.139	8	70	0.071	8	70	0.210
18:00 - 19:00	8	70	0.102	8	70	0.039	8	70	0.141
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.924			0.988			1.912

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.

Parameter summary

Trip rate parameter range selected:	6 - 154 (units:)
Survey date date range:	01/01/07 - 13/05/14
Number of weekdays (Monday-Friday):	8
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	0

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

TRIP RATE for Land Use 03 - RESIDENTIAL/C - FLATS PRIVATELY OWNED
MULTI-MODAL PEDESTRIANS
Calculation factor: 1 DWELLS
BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	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	8	70	0.018	8	70	0.071	8	70	0.089
08:00 - 09:00	8	70	0.030	8	70	0.160	8	70	0.190
09:00 - 10:00	8	70	0.039	8	70	0.127	8	70	0.166
10:00 - 11:00	8	70	0.053	8	70	0.068	8	70	0.121
11:00 - 12:00	8	70	0.062	8	70	0.111	8	70	0.173
12:00 - 13:00	8	70	0.096	8	70	0.118	8	70	0.214
13:00 - 14:00	8	70	0.107	8	70	0.077	8	70	0.184
14:00 - 15:00	8	70	0.094	8	70	0.077	8	70	0.171
15:00 - 16:00	8	70	0.103	8	70	0.070	8	70	0.173
16:00 - 17:00	8	70	0.157	8	70	0.119	8	70	0.276
17:00 - 18:00	8	70	0.203	8	70	0.086	8	70	0.289
18:00 - 19:00	8	70	0.116	8	70	0.030	8	70	0.146
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.078			1.114			2.192

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.

Parameter summary

Trip rate parameter range selected:	6 - 154 (units:)
Survey date date range:	01/01/07 - 13/05/14
Number of weekdays (Monday-Friday):	8
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	0

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

TRIP RATE for Land Use 03 - RESIDENTIAL/C - FLATS PRIVATELY OWNED
MULTI-MODAL TOTAL PEOPLE
Calculation factor: 1 DWELLS
BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	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	8	70	0.045	8	70	0.239	8	70	0.284
08:00 - 09:00	8	70	0.096	8	70	0.442	8	70	0.538
09:00 - 10:00	8	70	0.112	8	70	0.258	8	70	0.370
10:00 - 11:00	8	70	0.171	8	70	0.176	8	70	0.347
11:00 - 12:00	8	70	0.143	8	70	0.201	8	70	0.344
12:00 - 13:00	8	70	0.209	8	70	0.250	8	70	0.459
13:00 - 14:00	8	70	0.219	8	70	0.223	8	70	0.442
14:00 - 15:00	8	70	0.196	8	70	0.171	8	70	0.367
15:00 - 16:00	8	70	0.253	8	70	0.162	8	70	0.415
16:00 - 17:00	8	70	0.303	8	70	0.221	8	70	0.524
17:00 - 18:00	8	70	0.451	8	70	0.185	8	70	0.636
18:00 - 19:00	8	70	0.267	8	70	0.084	8	70	0.351
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.465			2.612			5.077

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.

Parameter summary

Trip rate parameter range selected:	6 - 154 (units:)
Survey date date range:	01/01/07 - 13/05/14
Number of weekdays (Monday-Friday):	8
Number of Saturdays:	0
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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 show. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.