

Southmoor Industrial Estate, Manchester

Transport Note

VN212033/N01

Introduction

1. This transport note has been prepared on behalf of Summer Estate holdings as part of a full planning application for Southmoor Industrial Estate (excluding the two office buildings: Southmoor House and Trafford House) to secure the flexible use of part of the site for B2 / B8 / E(g)(ii) / (iii) (general industrial / storage or distribution / research and development of products or processes / industrial processes) land uses.
2. No physical development is proposed. This transport note summarises the potential impact of any changes that could arise from the flexible permission for the use of part of the existing buildings that the developer is seeking.

Existing Situation

3. The application site is located within an established area of industrial and business park land uses in the Wythenshawe area of Manchester, as shown in **Figure 1**. The site has good access to both local facilities and amenities and to wider connections via the A560 and the M56.



Figure 1 – Location Plan

4. In terms of the local highway network, the site access point is from Southmoor Road via a large gated access point. Southmoor Road is a wide single carriageway road provided with wide footways, a grassed verge area and street lighting. The road is subject to a 30mph speed limit. Parking and waiting restrictions vary along its length within the local area.
5. Output from Crashmap attached as **Figure 2** shows that there has been one personal injury collision in the last three years in the local area. This collision occurred in March 2018 and resulted in a slightly injured pedestrian casualty. Whilst every road collision is regrettable the low incidence of recorded collisions reveals there is no safety issue on this part of the road network.

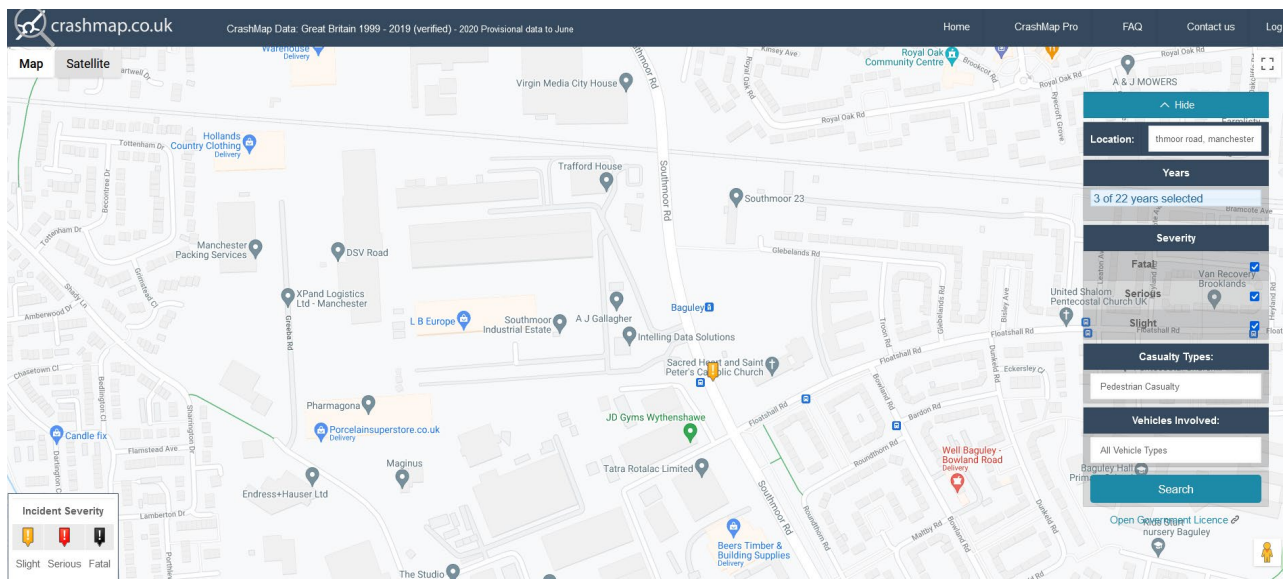


Figure 2 – Personal Injury Collision Map (2018-2020)

Accessibility by Non-Car Modes of Travel

6. The application site is exceptionally well situated for access to public transport with the following bus and tram stops adjacent to the site (within 50m):
 - **Bus (northbound):** Baguley Metrolink (Stop A) Stop ID: MANGWTMT
 - **Bus (southbound):** Baguley Metrolink (Stop B) Stop ID: MANGWTMW
 - **Tram:** Baguley (Metrolink Navy Line)

Public Transport Accessibility

Bus Stop	Service	Destination	Frequency
Tram Southbound	Navy Line (S)	Manchester Airport	Every 12 minutes
Tram Northbound	Navy Line (N)	Victoria	Every 12 minutes
Bus Northbound	11	Altrincham	Every 20 minutes
	18	Eccles	Hourly
	19	Altrincham	Every 20 minutes
	44	Piccadilly Gardens	Hourly
Bus Southbound	11	Stockport	Every 20 minutes
	18	Manchester Airport	Hourly
	19	Wythenshawe	Every 20 minutes
	44	Wythenshawe Hospital	Hourly

Table 1 – Bus and Metrolink Tram Services from Baguley Metrolink/Bus Stops

7. It can be seen from **Table 1** that there are buses every 8 minutes in either direction, providing access to Wythenshawe and Wythenshawe Hospital, Manchester Airport and Stockport. Northbound destinations served include Altrincham, Manchester City Centre and Eccles. Journey times are around 25 minutes to Altrincham, 5 minutes to Wythenshawe. Bus trips to Manchester city centre and Stockport take 50 minutes to an hour.
8. The tram service provides excellent connections to Manchester Airport (28 minutes) and Manchester (38 minutes). Heavy rail connections are available at Altrincham, Manchester, Stockport and Manchester Airport. This is exceptionally good public transport accessibility.
9. The site has excellent walk links with a walking catchment of 500 metres encompassing the residential areas to the east and the surrounding industrial/commercial areas to the north and south.
10. A typical 5km cycling distance catchment area includes the surrounding destinations of Timperley, Altrincham and Manchester Airport. There are cycle facilities at the tram stop on Southmoor Road and it is denoted as a cycle-friendly road.

Proposals

11. There are no physical changes proposed as part of the application. Access, parking and all other transport measures provided at the site will remain. The applicant is merely seeking the formalisation of a flexible consent to provide a range of land use types within the B2 / B8 / E(g)(ii) / (iii) (general industrial / storage or distribution / research and development of products or processes / industrial processes) groups.

12. To determine the trip generation associated with the occupied and unoccupied units on site, the TRICS database has been used. This is an industry-standard software tool which comprises a large database of traffic surveys of existing developments, across the UK and Ireland, sub categorised into particular land uses such as industrial.
13. In order to calculate representative weekday morning and evening peak trip rates to be applied to the units on site, the following site filtering criteria has been applied:
 - The land use selected has been 'Industrial Estate'. This category includes surveys from developments with a number of industrial buildings at the same site, as it is the case. This land use tends to generate higher traffic volumes than other complementary uses as B8 Warehouse.
 - Sites in edge of town centre and edge of town have been selected, in line with the location of the site in the Manchester District and Greater Manchester context.
 - Furthermore, surveys from sites in the Republic of Ireland and Northern Ireland have been excluded along with surveys undertaken on weekends.
 - The size range has been limited to 5,000sqm to 100,000sqm after undertaking an initial iteration with no size filter, in order to avoid sites with very small or large sizes in comparison with the site, which has a total GFA of 25,089sqm.
14. The full TRICS datasheet can be found in **Appendix A** at the rear of this Note.
15. According to the site management, four of the five units on site are currently occupied (A1/2, A5/6A, A5/6 and Block B), which have a total GFA of 16,286sqm. The trips estimated to be generated by them after applying the average trip rates calculated in TRICS for Industrial Estate sites are shown in **Table 2** below:

Unit	GFA (sqm)	AM Peak (08:00-09:00)			PM Peak (17:00-18:00)		
		Arrivals	Departures	Total	Arrivals	Departures	Total
	Trip Rates >	0.493	0.211	0.704	0.148	0.454	0.602
A1/2	7521.0	37	16	53	11	34	45
A5/6A	1395.0	7	3	10	2	6	8
A5/6	4722.0	23	10	33	7	21	28
Block B	2647.9	13	6	19	4	12	16
Total Occupied Units	16285.9	80	34	115	24	74	98

Table 2 – Estimated Trip Generation of the Units Currently Occupied

16. **Table 2** shows that the units currently occupied generate 80 arrivals and 34 departures during the morning peak (totalling 115 two-way trips), while during the evening peak 24 arrivals and 74 departures would be generated by the units (which equates to 98 two-way trips).
17. The site management has informed that Unit A3/4, A5/6B & A5/6C is currently vacant and therefore does not generate any vehicular trips. **Table 3** shows its estimated trip generation if again the calculated average trip rates for Industrial Estates are applied to its GFA, which is 8,803sqm.

Unit	GFA (sqm)	AM Peak (08:00-09:00)			PM Peak (17:00-18:00)		
		Arrivals	Departures	Total	Arrivals	Departures	Total
	Trip Rates >	0.493	0.211	0.704	0.148	0.454	0.602
A3/4, A5/6B & A5/6C	8803.0	43	19	62	13	40	53
All Units	25088.9	124	53	177	37	114	151

Table 3 – Estimated Trip Generation of the Unit Currently Unoccupied and of All Units on Site

18. **Table 3** shows that the vacant unit would generate 43 arrivals and 19 departures during the morning peak (totalling 62 two-way trips), while during the evening peak 13 arrivals and 40 departures would be generated by the units (which equates to 53 two-way trips).

Highway Impact

19. The total traffic generated by the site, assuming that all units are occupied, would be of 124 arrivals and 53 departures during the morning peak (totalling 177 two-way trips), while during the evening peak 37 arrivals and 114 departures would be generated by the units (which equates to 151 two-way trips). Therefore, the traffic generated by the vacant unit once in operation would represent slightly more than a third (35%) of the total traffic generated by the whole site and a 54% increase over the existing estimated vehicular trips travelling to/from the site.
20. It is worth highlighting that this assessment is highly robust due to the land use trip rates applied to the units on site (which are higher than other complementary uses as previously discussed) and also due to the site benefitting from excellent tram and bus services stopping in the vicinity. This is the opposite situation to the majority of Industrial Estates across the country, which are usually relatively poorly served by public transport routes.

Conclusion

21. It is therefore concluded that the site benefits from superb accessibility which will minimise car trips. With the full flexible consent being implemented and with all available units at maximum occupation, there would be an additional 50-60 trips generated in the morning and evening peak hours. This additional traffic would be imperceptible within the daily variations in traffic flow. Therefore there are no safety concerns or other highway reasons why the proposals could not be granted planning permission.

Calculation Reference: AUDIT-715001-210730-0711

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT
 Category : D - INDUSTRIAL ESTATE
 TOTAL VEHICLES

Selected regions and areas:

01	GREATER LONDON	
	BT BRENT	1 days
	HD HILLINGDON	2 days
	HO HOUNSLOW	1 days
	HV HAVERING	1 days
02	SOUTH EAST	
	ES EAST SUSSEX	2 days
	EX ESSEX	2 days
03	SOUTH WEST	
	BR BRISTOL CITY	2 days
	WL WILTSHIRE	1 days
05	EAST MIDLANDS	
	DS DERBYSHIRE	1 days
	LN LINCOLNSHIRE	1 days
	NR NORTHAMPTONSHIRE	2 days
06	WEST MIDLANDS	
	HE HEREFORDSHIRE	1 days
	WK WARWICKSHIRE	2 days
	WO WORCESTERSHIRE	2 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	1 days
	WY WEST YORKSHIRE	3 days
08	NORTH WEST	
	LC LANCASHIRE	1 days
09	NORTH	
	TW TYNE & WEAR	2 days
10	WALES	
	SW SWANSEA	2 days
	VG VALE OF GLAMORGAN	1 days
11	SCOTLAND	
	AG ANGUS	1 days
	FA FALKIRK	1 days
	FI FIFE	1 days

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

Vectos (North) Limited 4th Floor, Oxford Place, 61 Oxford St Manchester

Licence No: 715001

Primary Filtering selection:

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

Parameter: Gross floor area
 Actual Range: 5214 to 84575 (units: sqm)
 Range Selected by User: 5000 to 100000 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/13 to 21/10/20

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

Selected survey days:

Monday	4 days
Tuesday	7 days
Wednesday	5 days
Thursday	11 days
Friday	7 days

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

Selected survey types:

Manual count	34 days
Directional ATC Count	0 days

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

Selected Locations:

Suburban Area (PPS6 Out of Centre)	13
Edge of Town	21

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:

Industrial Zone	18
Development Zone	1
Residential Zone	7
Built-Up Zone	1
Out of Town	2
No Sub Category	5

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

Secondary Filtering selection:

Use Class:

Not Known	34 days
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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®.

Filter by Site Operations Breakdown:

All Surveys Included

Population within 500m Range:

All Surveys Included

Secondary Filtering selection (Cont.):

Population within 1 mile:

5,001 to 10,000	6 days
10,001 to 15,000	9 days
15,001 to 20,000	4 days
20,001 to 25,000	5 days
25,001 to 50,000	7 days
50,001 to 100,000	3 days

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

Population within 5 miles:

25,001 to 50,000	4 days
50,001 to 75,000	3 days
75,001 to 100,000	2 days
100,001 to 125,000	3 days
125,001 to 250,000	12 days
250,001 to 500,000	5 days
500,001 or More	5 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	15 days
1.1 to 1.5	19 days

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

Travel Plan:

Yes	1 days
No	33 days

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

PTAL Rating:

No PTAL Present	29 days
1b Very poor	2 days
2 Poor	2 days
3 Moderate	1 days

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

Covid-19 Restrictions	Yes	At least one survey within the selected data set was undertaken at a time of Covid-19 restrictions
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LIST OF SITES relevant to selection parameters

1	AG-02-D-02 A933 WESTWAY ARBROATH HOSPITALFIELD Edge of Town No Sub Category Total Gross floor area: 78500 sqm Survey date: TUESDAY 25/04/17	INDUSTRIAL ESTATE	ANGUS	Survey Type: MANUAL
2	BR-02-D-04 CROFTS END ROAD BRISTOL SPEEDWELL Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: 18018 sqm Survey date: FRIDAY 29/11/13	INDUSTRIAL ESTATE	BRISTOL CITY	Survey Type: MANUAL
3	BR-02-D-05 NOVERS HILL BRISTOL BEDMINSTER Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: 18128 sqm Survey date: FRIDAY 29/11/13	INDUSTRIAL ESTATE	BRISTOL CITY	Survey Type: MANUAL
4	BT-02-D-01 NORTH CIRCULAR ROAD NEASDEN BRENT PARK Suburban Area (PPS6 Out of Centre) Built-Up Zone Total Gross floor area: 5565 sqm Survey date: WEDNESDAY 14/11/18	INDUSTRIAL ESTATE	BRENT	Survey Type: MANUAL
5	DS-02-D-02 SHAFTESBURY STREET DERBY ROSE HILL Suburban Area (PPS6 Out of Centre) No Sub Category Total Gross floor area: 5686 sqm Survey date: WEDNESDAY 25/09/19	INDUSTRIAL ESTATE	DERBYSHIRE	Survey Type: MANUAL
6	ES-02-D-06 COURTLANDS ROAD EASTBOURNE Edge of Town Residential Zone Total Gross floor area: 7525 sqm Survey date: MONDAY 21/10/13	INDUSTRIAL ESTATE	EAST SUSSEX	Survey Type: MANUAL
7	ES-02-D-07 HUGHES ROAD BRIGHTON Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: 6625 sqm Survey date: THURSDAY 16/10/14	INDUSTRIAL ESTATE	EAST SUSSEX	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

8	EX-02-D-04 PASTURE ROAD WITHAM	INDUSTRIAL ESTATE	ESSEX
	Edge of Town Industrial Zone Total Gross floor area:	37130 sqm	
	Survey date: THURSDAY	10/05/18	Survey Type: MANUAL
9	EX-02-D-05 HECKWORTH CLOSE COLCHESTER SEVERALLS INDUSTRIAL PK	INDUSTRIAL ESTATE	ESSEX
	Edge of Town Industrial Zone Total Gross floor area:	7280 sqm	
	Survey date: FRIDAY	18/05/18	Survey Type: MANUAL
10	FA-02-D-02 MAIN STREET FALKIRK GRAHAMSTON	INDUSTRIAL ESTATE	FALKIRK
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Gross floor area:	21250 sqm	
	Survey date: THURSDAY	30/05/13	Survey Type: MANUAL
11	FI-02-D-01 DICKSON STREET DUNFERMLINE	INDUSTRIAL ESTATE	FIFE
	Edge of Town Residential Zone Total Gross floor area:	7850 sqm	
	Survey date: THURSDAY	21/05/15	Survey Type: MANUAL
12	HD-02-D-02 BRADFIELD ROAD RUISLIP SOUTH RUISLIP	INDUSTRIAL ESTATE	HILLINGDON
	Edge of Town Industrial Zone Total Gross floor area:	13850 sqm	
	Survey date: THURSDAY	25/06/15	Survey Type: MANUAL
13	HD-02-D-03 BRADFIELD ROAD RUISLIP SOUTH RUISLIP	INDUSTRIAL ESTATE	HILLINGDON
	Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area:	8310 sqm	
	Survey date: MONDAY	10/06/19	Survey Type: MANUAL
14	HE-02-D-02 BURCOTT ROAD HEREFORD	BUSINESS PARK	HEREFORDSHIRE
	Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area:	5214 sqm	
	Survey date: TUESDAY	22/10/13	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

15	HO-02-D-01	INDUSTRIAL ESTATE	HOUNSLOW
	HAMPTON ROAD WEST		
	FELTHAM		
	HANWORTH		
	Suburban Area (PPS6 Out of Centre)		
	Industrial Zone		
	Total Gross floor area:	7400 sqm	
	Survey date: THURSDAY	25/06/15	Survey Type: MANUAL
16	HV-02-D-01	INDUSTRIAL ESTATE	HAVERING
	CHURCH ROAD		
	ROMFORD		
	HAROLD WOOD		
	Edge of Town		
	Residential Zone		
	Total Gross floor area:	13000 sqm	
	Survey date: TUESDAY	07/10/14	Survey Type: MANUAL
17	LC-02-D-06	INDUSTRIAL ESTATE	LANCASHIRE
	SMALLSHAW LANE		
	BURNLEY		
	Suburban Area (PPS6 Out of Centre)		
	Industrial Zone		
	Total Gross floor area:	7383 sqm	
	Survey date: THURSDAY	29/09/16	Survey Type: MANUAL
18	LN-02-D-03	INDUSTRIAL ESTATE	LINCOLNSHIRE
	DEACON ROAD		
	LINCOLN		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	11265 sqm	
	Survey date: FRIDAY	28/06/19	Survey Type: MANUAL
19	NR-02-D-01	INDUSTRIAL ESTATE	NORTHAMPTONSHIRE
	ROBINSON WAY		
	KETTERING		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	12900 sqm	
	Survey date: THURSDAY	23/10/14	Survey Type: MANUAL
20	NR-02-D-02	INDUSTRIAL ESTATE	NORTHAMPTONSHIRE
	CORNHILL CLOSE		
	NORTHAMPTON		
	LODGE FARM IND. ESTATE		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	12670 sqm	
	Survey date: WEDNESDAY	21/10/20	Survey Type: MANUAL
21	NY-02-D-02	INDUSTRIAL ESTATE	NORTH YORKSHIRE
	RACECOURSE ROAD		
	RICHMOND		
	Edge of Town		
	Out of Town		
	Total Gross floor area:	35183 sqm	
	Survey date: TUESDAY	12/03/19	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

22	SW-02-D-01	INDUSTRIAL ESTATE	SWANSEA
	UPPER FOREST WAY		
	SWANSEA		
	SWANSEA ENTERPRISE PK		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	6822 sqm	
	Survey date: WEDNESDAY	09/10/19	Survey Type: MANUAL
23	SW-02-D-02	INDUSTRIAL ESTATE	SWANSEA
	CLARION COURT		
	SWANSEA		
	SWANSEA ENTERPRISE PK		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	5280 sqm	
	Survey date: THURSDAY	10/10/19	Survey Type: MANUAL
24	TW-02-D-07	INDUSTRIAL ESTATE	TYNE & WEAR
	SWALWELL BANK		
	GATESHEAD		
	WHICKHAM		
	Edge of Town		
	Residential Zone		
	Total Gross floor area:	6800 sqm	
	Survey date: FRIDAY	04/10/13	Survey Type: MANUAL
25	TW-02-D-08	INDUSTRIAL ESTATE	TYNE & WEAR
	NORTH HYLTON ROAD		
	SUNDERLAND		
	SOUTHWICK		
	Suburban Area (PPS6 Out of Centre)		
	Development Zone		
	Total Gross floor area:	8310 sqm	
	Survey date: TUESDAY	04/04/17	Survey Type: MANUAL
26	VG-02-D-01	INDUSTRIAL ESTATE	VALE OF GLAMORGAN
	ARTHUR STREET		
	BARRY		
	Edge of Town		
	No Sub Category		
	Total Gross floor area:	13091 sqm	
	Survey date: MONDAY	08/05/17	Survey Type: MANUAL
27	WK-02-D-03	INDUSTRIAL ESTATE	WARWICKSHIRE
	EASTBORO WAY		
	NUNEATON		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	20860 sqm	
	Survey date: THURSDAY	26/09/19	Survey Type: MANUAL
28	WK-02-D-04	INDUSTRIAL ESTATE	WARWICKSHIRE
	ABELES WAY		
	ATHERSTONE		
	Edge of Town		
	No Sub Category		
	Total Gross floor area:	17500 sqm	
	Survey date: FRIDAY	27/09/19	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

29	WL-02-D-02	INDUSTRIAL ESTATE	WILTSHIRE
	HEADLANDS GROVE		
	SWINDON		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Gross floor area:	10000 sqm	
	Survey date: TUESDAY	20/09/16	Survey Type: MANUAL
30	WO-02-D-02	INDUSTRIAL ESTATE	WORCESTERSHIRE
	WEIR LANE		
	WORCESTER		
	Edge of Town		
	Residential Zone		
	Total Gross floor area:	9500 sqm	
	Survey date: MONDAY	14/11/16	Survey Type: MANUAL
31	WO-02-D-03	INDUSTRIAL ESTATE	WORCESTERSHIRE
	MILLENNIUM WAY		
	EVESHAM		
	Edge of Town		
	Out of Town		
	Total Gross floor area:	84575 sqm	
	Survey date: TUESDAY	26/06/18	Survey Type: MANUAL
32	WY-02-D-03	INDUSTRIAL ESTATE	WEST YORKSHIRE
	ARMLEY ROAD		
	LEEDS		
	Suburban Area (PPS6 Out of Centre)		
	Industrial Zone		
	Total Gross floor area:	24980 sqm	
	Survey date: FRIDAY	20/09/13	Survey Type: MANUAL
33	WY-02-D-04	INDUSTRIAL ESTATE	WEST YORKSHIRE
	LAW STREET		
	CLECKHEATON		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	23226 sqm	
	Survey date: THURSDAY	15/09/16	Survey Type: MANUAL
34	WY-02-D-08	INDUSTRIAL ESTATE	WEST YORKSHIRE
	MILL LANE		
	HALIFAX		
	Edge of Town		
	No Sub Category		
	Total Gross floor area:	11305 sqm	
	Survey date: WEDNESDAY	17/10/18	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 02 - EMPLOYMENT/D - INDUSTRIAL ESTATE

TOTAL VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	8	10566	0.064	8	10566	0.008	8	10566	0.072
06:00 - 07:00	9	10644	0.163	9	10644	0.050	9	10644	0.213
07:00 - 08:00	34	17147	0.385	34	17147	0.120	34	17147	0.505
08:00 - 09:00	34	17147	0.493	34	17147	0.211	34	17147	0.704
09:00 - 10:00	34	17147	0.369	34	17147	0.257	34	17147	0.626
10:00 - 11:00	34	17147	0.318	34	17147	0.272	34	17147	0.590
11:00 - 12:00	34	17147	0.305	34	17147	0.290	34	17147	0.595
12:00 - 13:00	34	17147	0.304	34	17147	0.343	34	17147	0.647
13:00 - 14:00	34	17147	0.328	34	17147	0.310	34	17147	0.638
14:00 - 15:00	34	17147	0.279	34	17147	0.322	34	17147	0.601
15:00 - 16:00	34	17147	0.243	34	17147	0.340	34	17147	0.583
16:00 - 17:00	34	17147	0.233	34	17147	0.416	34	17147	0.649
17:00 - 18:00	34	17147	0.148	34	17147	0.454	34	17147	0.602
18:00 - 19:00	34	17147	0.094	34	17147	0.179	34	17147	0.273
19:00 - 20:00	9	10644	0.092	9	10644	0.135	9	10644	0.227
20:00 - 21:00	8	11049	0.014	8	11049	0.058	8	11049	0.072
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			3.832			3.765			7.597

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

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

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Parameter summary

Trip rate parameter range selected:	5214 - 84575 (units: sqm)
Survey date range:	01/01/13 - 21/10/20
Number of weekdays (Monday-Friday):	34
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	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 shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.