

Technical Note

Project: Proposed Residential Development
Location: Lawrence Street, Bury
Author: Jack Hulme
Ref: SCP/240202/TN01
Date: 03 April 2024

Introduction

1. SCP have been appointed to prepare a Technical Note to support a planning application for the demolition of a builder's merchant and the development of 10 no. residential dwellings with associated on-site car parking.
2. This Technical Note has been prepared on behalf of Ecoscape UK Ltd and provides a consideration of the transport and highway matters relating to the proposed demolition and development on land at Lawrence Street, Bury (hereafter referred to as the 'Application Site' or 'Site'). The local highway and planning authority is Bury Council (BC).
3. This note concludes that the proposed development of this site can be accommodated without detriment to the operational capacity or safety of the local highway network.

Site Location

4. The site is located off Lawrence Street, within the suburb of Blackbridge, approximately 4km south of Bury Town Centre, and 12km north of Manchester City Centre. **Figure 1** below shows the site location in relation to the local highway network.

Figure 1 – Site Location Plan



Local Highway Network

Lawrence Street

5. Lawrence Street is a single carriageway residential street which extends over approximately 150m in a general east-west orientation. Generous footways are provided on both sides and dropped kerbs are provided at crossing points. Lawrence Street has two points of access, A56 Manchester Road to west and Leyton Drive to the east. The junction with the A56 is formed of a priority junction with a right-turn lane.

Chelsea Street

6. Chelsea Street is a single track section of unadopted carriageway which at present is used to serve the existing use on site. It also provides access to three dwellings and provides access to the rear of the residential properties fronting the northern side of Lawrence Street.

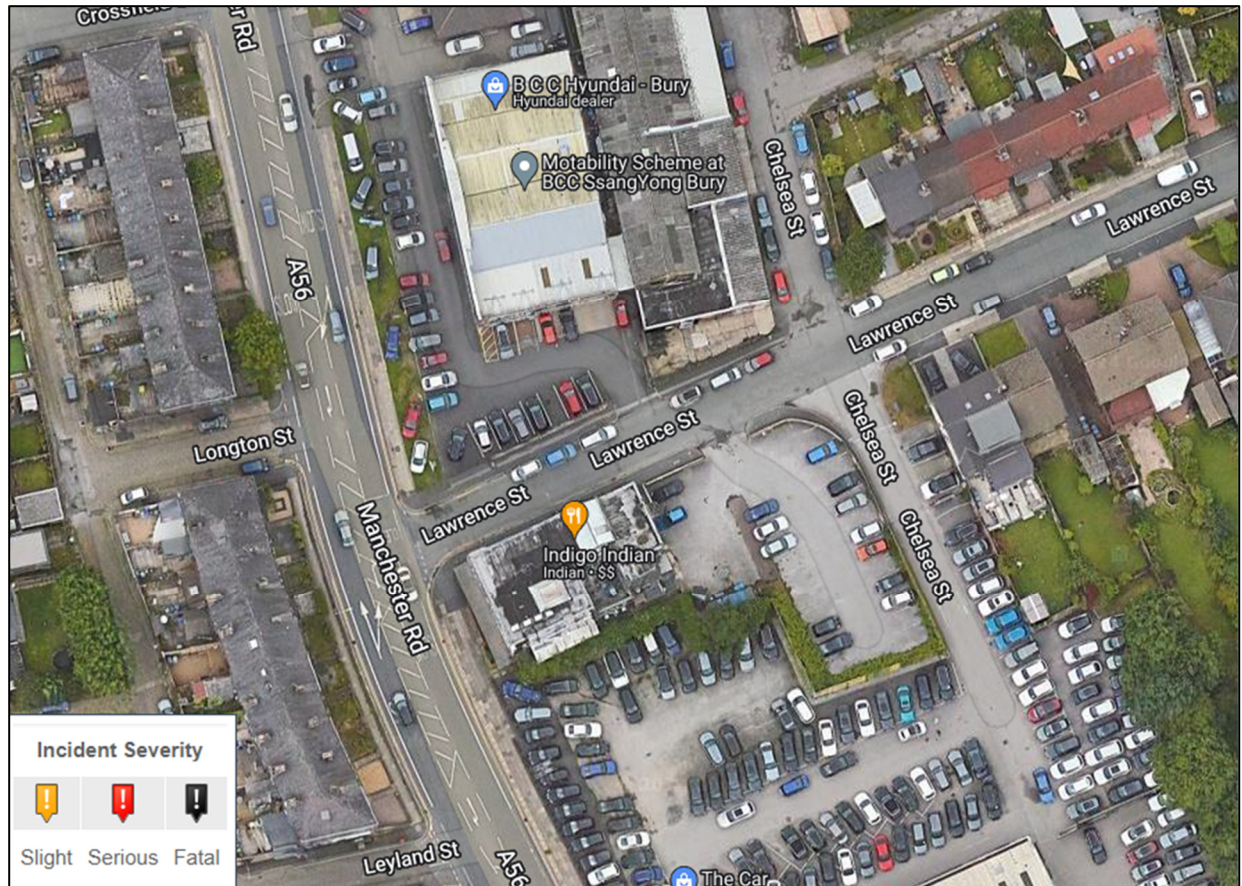
A56 Manchester Road

7. Manchester Road is a single carriageway road which forms part of the A56, linking Bury Town Centre with Manchester City Centre. In the vicinity of the junction with Lawrence Street, generous footways are provided on both sides of the road and dropped kerbs are provided at crossing points. Street lighting is also provided at regular intervals on both sides.
8. There is a signalised pedestrian crossing located approximately 70m south of Lawrence Street. The nearest bus stop is located 145m to the north of the site access. This is served by buses towards Manchester, on average, every 6 minutes. A northbound bus stop is located a further 60m north, with buses towards Bury every 6 minutes on average throughout the weekday.

Existing Road Safety Record

9. The NPPG states that, *“Critical locations on the road network with poor accident records should be identified. This is to determine if the proposed development will exacerbate existing problems or, if proposed, whether highway mitigation works, or traffic management measures will help to alleviate the problems”*.
10. In order to identify critical locations on the network with a poor accident record, the personal injury accident data has been obtained from the online resource CrashMap for the most recently available 5-year period. The location and severity of any accidents within the study area during this period, are shown in **Figure 2** below.

Figure 2 – Road Safety Record



11. As can be seen above, there have been no accidents recorded in the vicinity of the site between 2018 and 2022. There is therefore no evidence to suggest any existing road safety concern that may be exacerbated by the proposed development.

Proposed Development

General

12. The proposals consist of the demolition of a builder's merchant, and the development of 10 no. residential dwellings with associated on-site undercroft car parking.
13. A site layout plan can be found contained at **Appendix A**.

Access Strategy

14. Vehicle and cycle access will be made via a new access off Lawrence Street, leading to undercroft car parking and secure cycle storage. On-foot, each property can be accessed at the rear via the under-croft car parking area, or at the front, from Chelsea Street.

Refuse Collection

15. A bin store will be located within the under-croft area, with direct access onto Chelsea Street, where refuse collection will take place. It is understood that large vehicles frequently use Chelsea Street to serve the existing use on site. Based on this, a refuse vehicle can safely access the collection area, before continuing back onto Lawrence Street in a forward gear.

Parking Strategy

16. Supplementary Planning Document No. 11 of BC's Unitary Development Plan provides the starting point for car parking provision for new residential developments. This document suggests that maximum parking should be provided as follows: -

Table 1 – BC maximum parking standards

No. of beds	High Access Area	Low Access Area
1	1 per dwelling	2 per dwelling
2	1.5 per dwelling	2.5 per dwelling
3	2 per dwelling	3 per dwelling
4 and above	3 per dwelling	

17. The proposals comprise 10 no. dwellings, each with 4 no. bedrooms, so based on the above would require a total maximum provision of 30 spaces for the site. However, it is considered that the proposed car parking provision of 20 spaces acceptable due to the sustainable location of the site and the provision of infrastructure to accommodate the use of sustainable modes, such as, walking, cycling and public transport.
18. Furthermore, a swept path analysis exercise has been undertaken to ensure the car parking spaces can be sufficiently accessed and manoeuvred in and out of safely. This can be found illustrated on Drawing No. SCP/2402025/ATR01 at **Appendix B**.

Development Trip Generation

19. This section will provide an estimation of the vehicle trip generating potential of the proposed development during the weekday AM and PM peak hours.
20. In order to estimate the trip generating potential of the proposed use, average trip rates from the industry standard TRICS Database (V7.11.1) have been obtained.
21. The selection criteria for the TRICS based trip rates is as follows: -
- i) Residential;
 - ii) Houses Privately Owned;
 - iii) Sites in Greater London and Ireland excluded;
 - iv) Selection by number of dwellings;
 - v) Weekday surveys only; and
 - vi) Only sites in 'Suburban Area', 'Edge of Town', 'Neighbourhood Centre' locations have been selected.
22. The resultant trip rates and generation can be found summarised in **Table 2** below. The full TRICS output is contained at **Appendix C**.

Table 2 – Estimated Trip Generation (per 1 no. dwelling)

	Weekday AM Peak Hour (8-9)		Weekday PM Peak Hour (5-6)	
	Arrivals	Departures	Arrivals	Departures
Trip Rate	0.163	0.340	0.304	0.175
Trip Generation	2	3	3	2

23. It can be seen from the above that the development of 10 no. dwellings will result in a trip generation impact that would be negligible on the local highway network. Furthermore, when considering the traffic generated by the existing use on site there is likely to be a net impact of no additional traffic as a result of the redevelopment.

Summary and Conclusions

24. Based on the information provided within this technical note, it is considered that the proposal to provide 10 no. residential dwellings to be acceptable with regard to transport and highway matters.
25. The report has illustrated and described that the site has a good level of accessibility by all modes, with very frequent bus serves stopping close to the site. The development will further encourage the use of active travel, by implementing measures such as secure cycle storage, and safe pedestrian access.
26. The development will also be able to accommodate those wishing to travel by private car, through provision of on-site car parking.
27. With regard to the local highway network, the estimated level of traffic demand generated by the proposed 10 no. dwellings would result in a negligible impact, which therefore cannot be considered severe in the context of the NPPF.
28. On the basis of the above information there can be no reason to withhold support for the planning application on transport and highway grounds.

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APPENDIX A

F

Four
Architects

113 Portland Street, Manchester, M1 6DW
Tel. 01614707969 Email. info@fourarchitects.co.uk

Project Title:
PROPOSED RESIDENTIAL SCHEME

Location:
LAWRENCE ST / CHELSEA ST | BURY

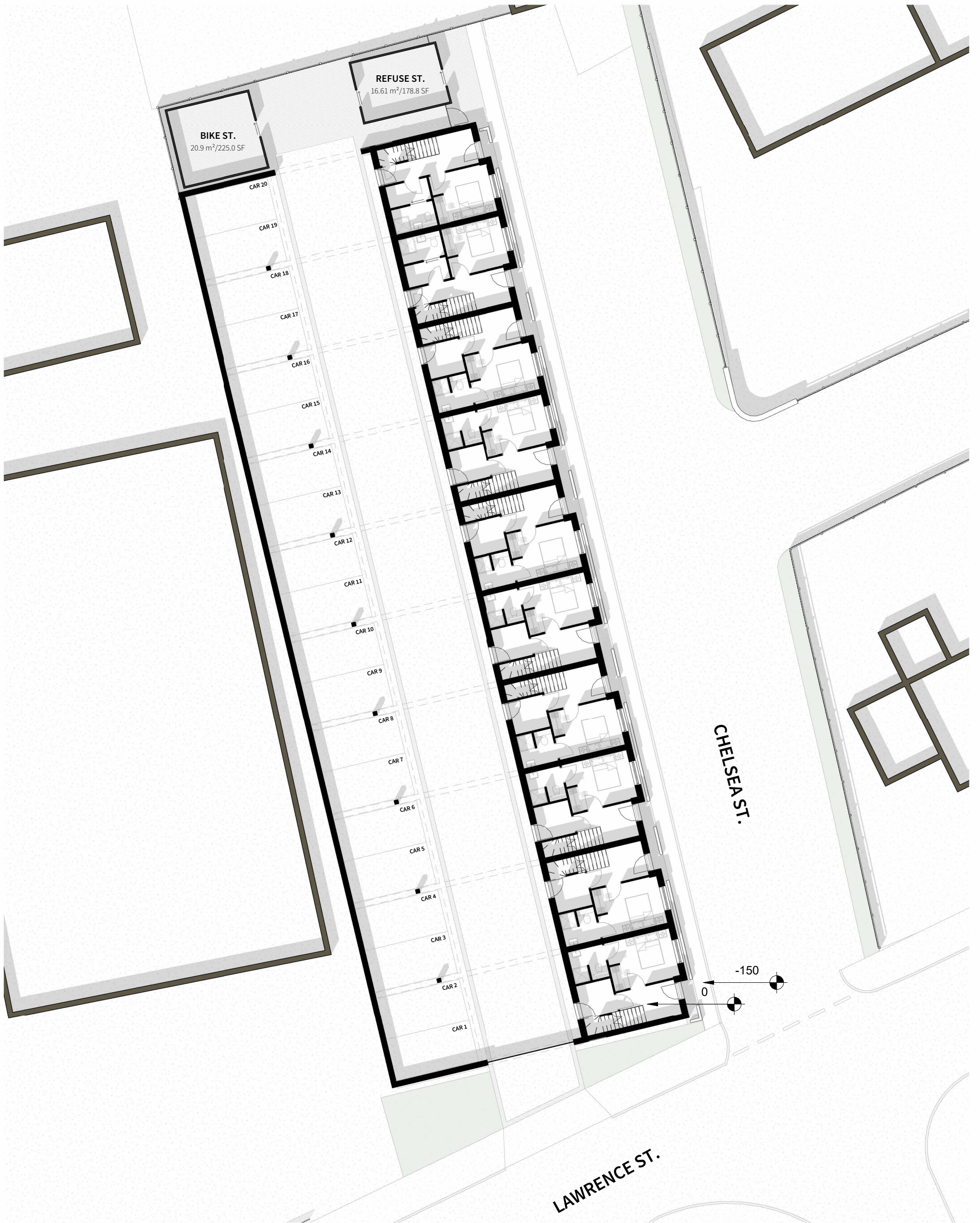
Sheet Name:
PROPOSED - SITE PLAN_GROUND FLOOR

Status:
PLANNING

Date:
FEB' 24

Job Number:
23-028

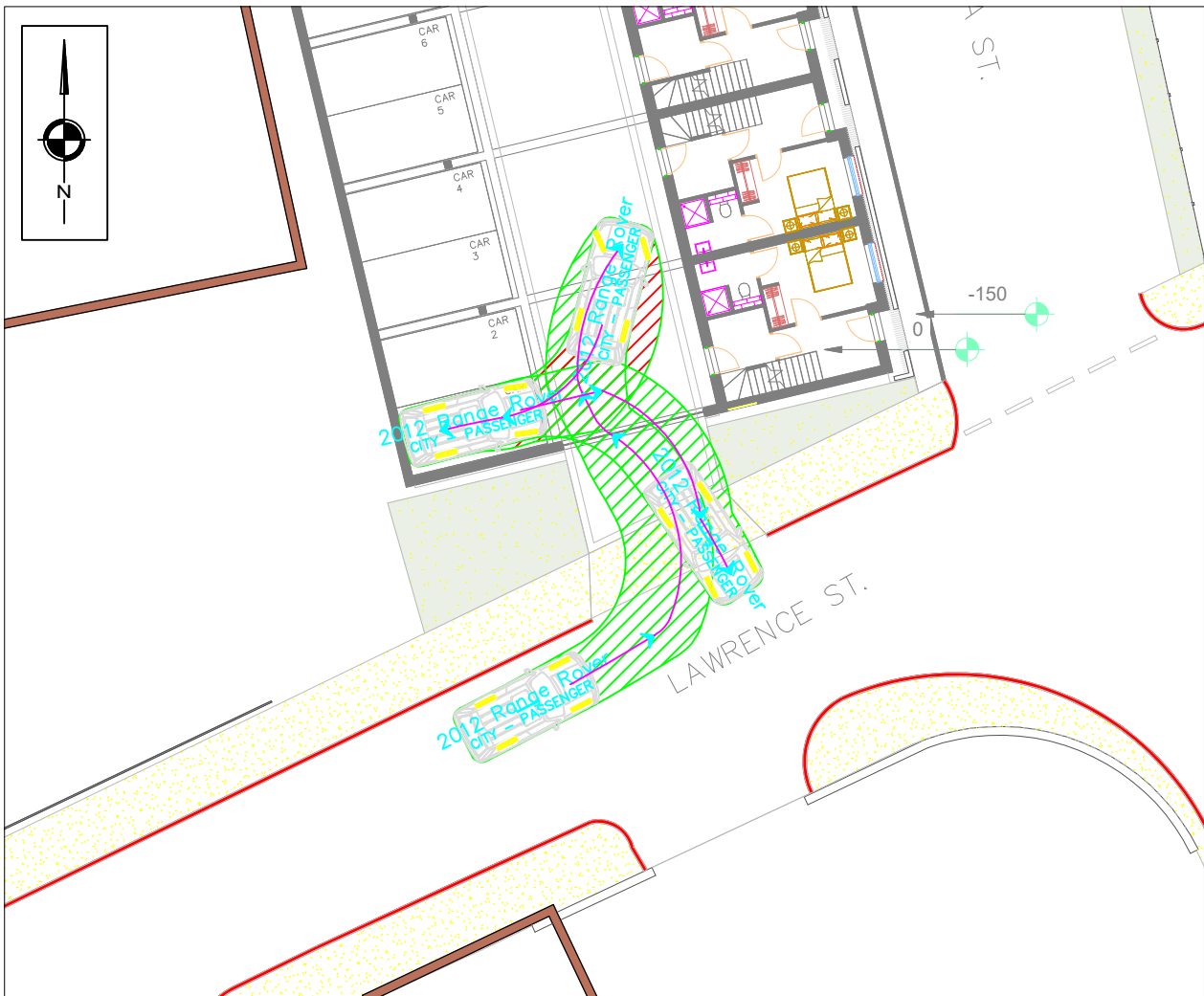
Sheet Number:
FA-DR-03-103



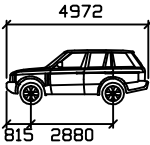
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APPENDIX B

M:\Job Library\2024\240202 - Lawrence Street, Chelsea Street, Bury\Drawings in Progress



NOTES



2012 Range Rover

mm
Width : 2034
Track : 1884
Lock to Lock Time 6.0
Steering Angle : 33.7

REV	DESCRIPTION	DATE	BY
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REVISIONS

SCP

an **RSK** company

Office of Origin: Manchester Tel: 0161 832 4400
www.scptransport.co.uk - www.rskgroup.com

Client Name:

ECOSCAPE UK LTD

Project Title:

LAWRENCE STREET/ CHELSEA STREET,
BURY

Drawing Title:

SWEPT PATH ANALYSIS
- LAND ROVER

Drawn By:	LD	Date:	02/04/2024
Checked:	JH	Scale@A3:	1:250
Approved:	-	Status:	PLANNING

Drawing No.	SCP/240202/ATR01	Rev.	-
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APPENDIX C

Calculation Reference: AUDIT-726001-240403-0435

TRIP RATE CALCULATION SELECTION PARAMETERS:

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

Selected regions and areas:

02	SOUTH EAST	
	BO BEDFORD	1 days
	CT CENTRAL BEDFORDSHIRE	1 days
	ES EAST SUSSEX	2 days
	HC HAMPSHIRE	3 days
	HF HERTFORDSHIRE	1 days
	KC KENT	1 days
	MW MEDWAY	2 days
	SC SURREY	2 days
03	SOUTH WEST	
	DC DORSET	2 days
	GS GLOUCESTERSHIRE	1 days
	SD SWINDON	1 days
	SM SOMERSET	2 days
04	EAST ANGLIA	
	CA CAMBRIDGESHIRE	1 days
	NF NORFOLK	4 days
	PB PETERBOROUGH	1 days
	SF SUFFOLK	2 days
05	EAST MIDLANDS	
	NM WEST NORTHAMPTONSHIRE	1 days
	NN NORTH NORTHAMPTONSHIRE	1 days
	NT NOTTINGHAMSHIRE	1 days
06	WEST MIDLANDS	
	ST STAFFORDSHIRE	1 days
	WK WARWICKSHIRE	2 days
	WM WEST MIDLANDS	1 days
	WO WORCESTERSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	BY BARNSLEY	1 days
	LS LEEDS	1 days
	NY NORTH YORKSHIRE	2 days
	SE SHEFFIELD	1 days
08	NORTH WEST	
	AC CHESHIRE WEST & CHESTER	2 days
	GM GREATER MANCHESTER	1 days
	LC LANCASHIRE	1 days
09	NORTH	
	DH DURHAM	1 days
10	WALES	
	VG VALE OF GLAMORGAN	1 days
11	SCOTLAND	
	HI HIGHLAND	1 days

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

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Primary Filtering selection:

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

Parameter: No of Dwellings
Actual Range: 8 to 50 (units:)
Range Selected by User: 5 to 50 (units:)

Parking Spaces Range: All Surveys Included

Parking Spaces per Dwelling Range: All Surveys Included

Bedrooms per Dwelling Range: All Surveys Included

Percentage of dwellings privately owned: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/16 to 05/06/23

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	8 days
Tuesday	8 days
Wednesday	16 days
Thursday	7 days
Friday	8 days

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

Selected survey types:

Manual count	46 days
Directional ATC Count	1 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)	8
Edge of Town	22
Neighbourhood Centre (PPS6 Local Centre)	17

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	32
Village	14
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.

Inclusion of Servicing Vehicles Counts:

Servicing vehicles Included	12 days - Selected
Servicing vehicles Excluded	37 days - Selected

Secondary Filtering selection:Use Class:

C3	47 days
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This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order (England) 2020 has been used for this purpose, which can be found within the Library module of TRICS®.

Population within 500m Range:

All Surveys Included

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Secondary Filtering selection (Cont.):Population within 1 mile:

1,000 or Less	2 days
1,001 to 5,000	12 days
5,001 to 10,000	10 days
10,001 to 15,000	10 days
15,001 to 20,000	5 days
20,001 to 25,000	3 days
25,001 to 50,000	4 days
50,001 to 100,000	1 days

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

Population within 5 miles:

5,001 to 25,000	3 days
25,001 to 50,000	7 days
50,001 to 75,000	7 days
75,001 to 100,000	5 days
100,001 to 125,000	2 days
125,001 to 250,000	18 days
250,001 to 500,000	3 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	15 days
1.1 to 1.5	29 days
1.6 to 2.0	3 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	18 days
No	29 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	47 days
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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	AC-03-A-04	TOWN HOUSES	CHESHIRE WEST & CHESTER
	LONDON ROAD		
	NORTHWICH		
	LEFTWICH		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total No of Dwellings:	24	
	Survey date: THURSDAY	06/06/19	Survey Type: MANUAL
2	AC-03-A-05	SEMI-DETACHED & TERRACED	CHESHIRE WEST & CHESTER
	MEADOW DRIVE		
	NORTHWICH		
	BARNTON		
	Neighbourhood Centre (PPS6 Local Centre)		
	Village		
	Total No of Dwellings:	40	
	Survey date: FRIDAY	30/04/21	Survey Type: MANUAL
3	BO-03-A-01	DETACHED HOUSES	BEDFORD
	CARNOUSTIE DRIVE		
	BEDFORD		
	GREAT DENHAM		
	Edge of Town		
	Residential Zone		
	Total No of Dwellings:	30	
	Survey date: THURSDAY	15/10/20	Survey Type: MANUAL
4	BY-03-A-01	BUNGALOWS & DETACHED	BARNSELY
	CHURCH LANE		
	NEAR BARNSELY		
	WORSBROUGH		
	Neighbourhood Centre (PPS6 Local Centre)		
	Village		
	Total No of Dwellings:	19	
	Survey date: WEDNESDAY	09/09/20	Survey Type: MANUAL
5	CA-03-A-07	MIXED HOUSES	CAMBRIDGESHIRE
	FIELD END		
	NEAR ELY		
	WITCHFORD		
	Neighbourhood Centre (PPS6 Local Centre)		
	Village		
	Total No of Dwellings:	32	
	Survey date: THURSDAY	27/05/21	Survey Type: MANUAL
6	CT-03-A-01	MIXED HOUSES	CENTRAL BEDFORDSHIRE
	ARLESEY ROAD		
	STOTFOLD		
	Edge of Town		
	Residential Zone		
	Total No of Dwellings:	46	
	Survey date: WEDNESDAY	22/06/22	Survey Type: MANUAL
7	DC-03-A-09	MIXED HOUSES	DORSET
	A350		
	SHAFTESBURY		
	Edge of Town		
	No Sub Category		
	Total No of Dwellings:	50	
	Survey date: FRIDAY	19/11/21	Survey Type: MANUAL

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LIST OF SITES relevant to selection parameters (Cont.)

8	DC-03-A-10	MIXED HOUSES	DORSET
	ADDISON CLOSE GILLINGHAM		
	Edge of Town Residential Zone Total No of Dwellings:	26	
	Survey date: WEDNESDAY	09/11/22	Survey Type: MANUAL
9	DH-03-A-01	SEMI DETACHED	DURHAM
	GREENFIELDS ROAD BISHOP AUCKLAND		
	Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings:	50	
	Survey date: TUESDAY	28/03/17	Survey Type: MANUAL
10	ES-03-A-06	MIXED HOUSES	EAST SUSSEX
	BISHOPS LANE RINGMER		
	Neighbourhood Centre (PPS6 Local Centre) Village Total No of Dwellings:	12	
	Survey date: WEDNESDAY	16/06/21	Survey Type: MANUAL
11	ES-03-A-09	DETACHED & SEMI-DETACHED	EAST SUSSEX
	THE FAIRWAY NEWHAVEN		
	Edge of Town Residential Zone Total No of Dwellings:	47	
	Survey date: MONDAY	13/03/23	Survey Type: MANUAL
12	GM-03-A-11	TERRACED & SEMI-DETACHED	GREATER MANCHESTER
	RUSHFORD STREET MANCHESTER LEVENSHULME Neighbourhood Centre (PPS6 Local Centre) Residential Zone Total No of Dwellings:	37	
	Survey date: MONDAY	26/09/16	Survey Type: MANUAL
13	GS-03-A-02	DETACHED HOUSES	GLOUCESTERSHIRE
	OAKRIDGE NEAR GLOUCESTER HIGHNAM Neighbourhood Centre (PPS6 Local Centre) Village Total No of Dwellings:	40	
	Survey date: FRIDAY	23/04/21	Survey Type: MANUAL
14	HC-03-A-21	TERRACED & SEMI-DETACHED	HAMPSHIRE
	PRIESTLEY ROAD BASINGSTOKE HOUNDMILLS Edge of Town Residential Zone Total No of Dwellings:	39	
	Survey date: TUESDAY	13/11/18	Survey Type: MANUAL

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LIST OF SITES relevant to selection parameters (Cont.)

15	HC-03-A-22	MIXED HOUSES	HAMPSHIRE
	BOW LAKE GARDENS		
	NEAR EASTLEIGH		
	BISHOPSTOKE		
	Edge of Town		
	Residential Zone		
	Total No of Dwellings:	40	
	Survey date: WEDNESDAY	31/10/18	Survey Type: MANUAL
16	HC-03-A-31	MIXED HOUSES & FLATS	HAMPSHIRE
	KILN ROAD		
	LIPHOOK		
	Edge of Town		
	Residential Zone		
	Total No of Dwellings:	44	
	Survey date: FRIDAY	07/10/22	Survey Type: MANUAL
17	HF-03-A-05	TERRACED HOUSES	HERTFORDSHIRE
	HOLMSIDE RISE		
	WATFORD		
	SOUTH OXHEY		
	Edge of Town		
	Residential Zone		
	Total No of Dwellings:	8	
	Survey date: MONDAY	05/06/23	Survey Type: MANUAL
18	HI-03-A-14	SEMI-DETACHED & TERRACED	HIGHLAND
	KING BRUDE ROAD		
	INVERNESS		
	SCORGUIE		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total No of Dwellings:	40	
	Survey date: WEDNESDAY	23/03/16	Survey Type: MANUAL
19	KC-03-A-09	MIXED HOUSES & FLATS	KENT
	WESTERN LINK		
	FAVERSHAM		
	DAVINGTON		
	Edge of Town		
	Residential Zone		
	Total No of Dwellings:	14	
	Survey date: WEDNESDAY	09/06/21	Survey Type: MANUAL
20	LC-03-A-31	DETACHED HOUSES	LANCASHIRE
	GREENSIDE		
	PRESTON		
	COTTAM		
	Edge of Town		
	Residential Zone		
	Total No of Dwellings:	32	
	Survey date: FRIDAY	17/11/17	Survey Type: MANUAL
21	LS-03-A-01	MIXED HOUSING	LEEDS
	SPRING VALLEY CRESCENT		
	LEEDS		
	BRAMLEY		
	Neighbourhood Centre (PPS6 Local Centre)		
	Residential Zone		
	Total No of Dwellings:	46	
	Survey date: WEDNESDAY	21/09/16	Survey Type: MANUAL
22	MW-03-A-01	DETACHED & SEMI-DETACHED	MEDWAY
	ROCHESTER ROAD		
	NEAR CHATHAM		
	BURHAM		
	Neighbourhood Centre (PPS6 Local Centre)		
	Village		
	Total No of Dwellings:	8	
	Survey date: FRIDAY	22/09/17	Survey Type: MANUAL

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LIST OF SITES relevant to selection parameters (Cont.)

23	MW-03-A-02	MIXED HOUSES	MEDWAY
	OTTERHAM QUAY LANE		
	RAINHAM		
	Edge of Town		
	Residential Zone		
	Total No of Dwellings:	19	
	Survey date: MONDAY	06/06/22	Survey Type: MANUAL
24	NF-03-A-05	MIXED HOUSES	NORFOLK
	HEATH DRIVE		
	HOLT		
	Edge of Town		
	Residential Zone		
	Total No of Dwellings:	40	
	Survey date: THURSDAY	19/09/19	Survey Type: MANUAL
25	NF-03-A-10	MIXED HOUSES & FLATS	NORFOLK
	HUNSTANTON ROAD		
	HUNSTANTON		
	Edge of Town		
	Residential Zone		
	Total No of Dwellings:	17	
	Survey date: WEDNESDAY	12/09/18	Survey Type: DIRECTIONAL ATC COUNT
26	NF-03-A-37	MIXED HOUSES	NORFOLK
	GREENFIELDS ROAD		
	DEREHAM		
	Edge of Town		
	Residential Zone		
	Total No of Dwellings:	44	
	Survey date: TUESDAY	27/09/22	Survey Type: MANUAL
27	NF-03-A-51	SEMI-DETACHED	NORFOLK
	CITY ROAD		
	NORWICH		
	LAKENHAM		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total No of Dwellings:	34	
	Survey date: TUESDAY	13/09/22	Survey Type: MANUAL
28	NM-03-A-02	DETACHED & SEMI-DETACHED	WEST NORTHAMPTONSHIRE
	HARLESTONE ROAD		
	NEAR NORTHAMPTON		
	CHAPEL BRAMPTON		
	Neighbourhood Centre (PPS6 Local Centre)		
	Village		
	Total No of Dwellings:	47	
	Survey date: TUESDAY	20/10/20	Survey Type: MANUAL
29	NN-03-A-01	MIXED HOUSES & FLATS	NORTH NORTHAMPTONSHIRE
	MAIN STREET		
	NEAR WELLINGBOROUGH		
	LITTLE HARROWDEN		
	Neighbourhood Centre (PPS6 Local Centre)		
	Village		
	Total No of Dwellings:	44	
	Survey date: TUESDAY	20/10/20	Survey Type: MANUAL

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LIST OF SITES relevant to selection parameters (Cont.)

30	NT-03-A-08	DETACHED HOUSES	NOTTINGHAMSHIRE
	WIGHAY ROAD HUCKNALL		
	Edge of Town Residential Zone Total No of Dwellings:	36	
	Survey date: MONDAY	18/10/21	Survey Type: MANUAL
31	NY-03-A-13	TERRACED HOUSES	NORTH YORKSHIRE
	CATTERICK ROAD CATTERICK GARRISON OLD HOSPITAL COMPOUND Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings:	10	
	Survey date: WEDNESDAY	10/05/17	Survey Type: MANUAL
32	NY-03-A-14	DETACHED & BUNGALOWS	NORTH YORKSHIRE
	PALACE ROAD RIPON		
	Edge of Town Residential Zone Total No of Dwellings:	45	
	Survey date: WEDNESDAY	18/05/22	Survey Type: MANUAL
33	PB-03-A-04	DETACHED HOUSES	PETERBOROUGH
	EASTFIELD ROAD PETERBOROUGH		
	Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings:	28	
	Survey date: MONDAY	17/10/16	Survey Type: MANUAL
34	SC-03-A-07	MIXED HOUSES	SURREY
	FOLLY HILL FARNHAM		
	Edge of Town Residential Zone Total No of Dwellings:	41	
	Survey date: WEDNESDAY	11/05/22	Survey Type: MANUAL
35	SC-03-A-10	MIXED HOUSES	SURREY
	GUILDFORD ROAD ASH		
	Neighbourhood Centre (PPS6 Local Centre) Village Total No of Dwellings:	32	
	Survey date: WEDNESDAY	14/09/22	Survey Type: MANUAL
36	SD-03-A-01	SEMI DETACHED	SWINDON
	HEADLANDS GROVE SWINDON		
	Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings:	27	
	Survey date: THURSDAY	22/09/16	Survey Type: MANUAL
37	SE-03-A-01	DETACHED & BUNGALOWS	SHEFFIELD
	MANOR ROAD NEAR SHEFFIELD WALES Neighbourhood Centre (PPS6 Local Centre) Village Total No of Dwellings:	25	
	Survey date: THURSDAY	10/09/20	Survey Type: MANUAL

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LIST OF SITES relevant to selection parameters (Cont.)

38	SF-03-A-06	DETACHED & SEMI-DETACHED	SUFFOLK
	BURY ROAD		
	KENTFORD		
	Neighbourhood Centre (PPS6 Local Centre)		
	Village		
	Total No of Dwellings:	38	
	Survey date: FRIDAY	22/09/17	Survey Type: MANUAL
39	SF-03-A-08	MIXED HOUSES	SUFFOLK
	STANNINGFIELD ROAD		
	NEAR BURY ST EDMUNDS		
	GREAT WHELNETHAM		
	Neighbourhood Centre (PPS6 Local Centre)		
	Village		
	Total No of Dwellings:	34	
	Survey date: WEDNESDAY	16/09/20	Survey Type: MANUAL
40	SM-03-A-02	MIXED HOUSES	SOMERSET
	HYDE LANE		
	NEAR TAUNTON		
	CREECH SAINT MICHAEL		
	Neighbourhood Centre (PPS6 Local Centre)		
	Village		
	Total No of Dwellings:	42	
	Survey date: TUESDAY	25/09/18	Survey Type: MANUAL
41	SM-03-A-03	MIXED HOUSES	SOMERSET
	HYDE LANE		
	NEAR TAUNTON		
	CREECH ST MICHAEL		
	Neighbourhood Centre (PPS6 Local Centre)		
	Village		
	Total No of Dwellings:	41	
	Survey date: TUESDAY	25/09/18	Survey Type: MANUAL
42	ST-03-A-08	DETACHED HOUSES	STAFFORDSHIRE
	SILKMORE CRESCENT		
	STAFFORD		
	MEADOWCROFT PARK		
	Edge of Town		
	Residential Zone		
	Total No of Dwellings:	26	
	Survey date: WEDNESDAY	22/11/17	Survey Type: MANUAL
43	VG-03-A-01	SEMI-DETACHED & TERRACED	VALE OF GLAMORGAN
	ARTHUR STREET		
	BARRY		
	Edge of Town		
	Residential Zone		
	Total No of Dwellings:	12	
	Survey date: MONDAY	08/05/17	Survey Type: MANUAL
44	WK-03-A-03	DETACHED HOUSES	WARWICKSHIRE
	BRESE AVENUE		
	WARWICK		
	GUYS CLIFFE		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total No of Dwellings:	23	
	Survey date: WEDNESDAY	25/09/19	Survey Type: MANUAL
45	WK-03-A-04	DETACHED HOUSES	WARWICKSHIRE
	DALEHOUSE LANE		
	KENILWORTH		
	Edge of Town		
	Residential Zone		
	Total No of Dwellings:	49	
	Survey date: FRIDAY	27/09/19	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

46	WM-03-A-04	TERRACED HOUSES	WEST MIDLANDS
	OSBORNE ROAD		
	COVENTRY		
	EARLSDON		
	Neighbourhood Centre (PPS6 Local Centre)		
	Residential Zone		
	Total No of Dwellings:	39	
	Survey date: MONDAY	21/11/16	Survey Type: MANUAL
47	WO-03-A-07	MIXED HOUSES & FLATS	WORCESTERSHIRE
	RYE GRASS LANE		
	REDDITCH		
	Edge of Town		
	Residential Zone		
	Total No of Dwellings:	47	
	Survey date: THURSDAY	01/10/20	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.

SCP York Street Manchester

Licence No: 726001

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

TOTAL VEHICLES**Calculation factor: 1 DWELLS****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	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	47	33	0.079	47	33	0.260	47	33	0.339
08:00 - 09:00	47	33	0.163	47	33	0.340	47	33	0.503
09:00 - 10:00	47	33	0.153	47	33	0.206	47	33	0.359
10:00 - 11:00	47	33	0.141	47	33	0.166	47	33	0.307
11:00 - 12:00	47	33	0.180	47	33	0.171	47	33	0.351
12:00 - 13:00	47	33	0.173	47	33	0.184	47	33	0.357
13:00 - 14:00	47	33	0.177	47	33	0.163	47	33	0.340
14:00 - 15:00	47	33	0.173	47	33	0.207	47	33	0.380
15:00 - 16:00	47	33	0.273	47	33	0.198	47	33	0.471
16:00 - 17:00	47	33	0.267	47	33	0.168	47	33	0.435
17:00 - 18:00	47	33	0.304	47	33	0.175	47	33	0.479
18:00 - 19:00	47	33	0.250	47	33	0.146	47	33	0.396
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.333			2.384			4.717

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:	8 - 50 (units:)
Survey date range:	01/01/16 - 05/06/23
Number of weekdays (Monday-Friday):	47
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	2
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.