Technical Note

Kevin McShane Ltd

Project: Kiltipper Residential Care Home Extension	Job No: 21-182
Subject: Parking Assessment	

Prepared by: Clare McAlister	Date:	10/05/2022
Checked by: Declan Diamond	Date:	10/05/2022
Approved by: Declan Diamond	Date:	10/05/2022

Introduction

Kevin McShane Ltd has been appointed to provide transport consultancy services in support of a proposed extension to Kiltipper Woods Care Centre. The site is located on Kiltipper Road, Dublin. The existing site access to the Care Centre from Kiltipper Road will be retained. The site location is illustrated in Figure 1.
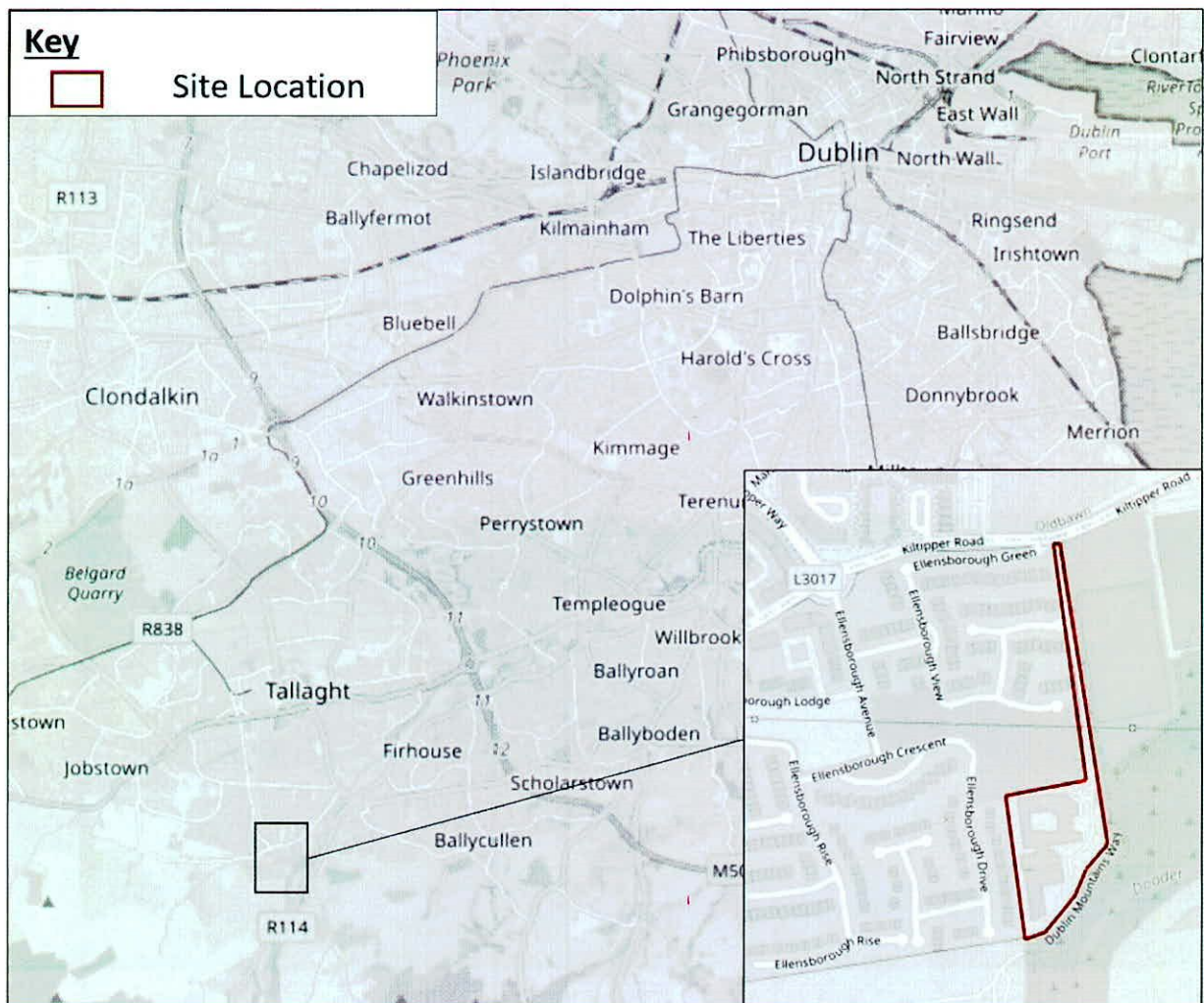
Figure 1 - Site Location

Technical Note

Site Overview

The development site is located on Kiltipper Road, Dublin. The site lies approximately 13.1km southwest of Dublin city centre. The existing site currently operates as Kiltipper Woods Care Centre. The existing site provides 61 no. parking spaces on-site. There are currently 80 staff working at the home on the main shift.

Redevelopment Proposals

The existing site provides elderly accommodation for 121 residents. The redevelopment proposals (Planning Reference: SD21A/0287) seek to facilitate an extension to the existing care home and reorganisation of existing layout to provide residence to 140 residents. The proposed development will increase the staff numbers by 6. The development proposals include:

- Proposed ground floor and first floor extension of 739m^2 GFA;
- Reorganisation of 272m^2 GFA of the existing ground floor; and
- Associated site works.

Purpose of this Note

This note presents a review of existing and proposed car parking demand at the development site. This assessment provides justification for the level of car parking proposed at the extended site and utilises surveys undertaken by the Kevin McShane ltd survey team in January 2022.

The remainder of this Technical Note (TN) will provide:

- A review of the relevant parking policies associated with the site;
- An assessment of the existing parking occupancy at the site;
- An assessment of the impact on the development proposals on parking demand and supply at the site; and
- Conclusions of the assessment.

Parking Review

South Dublin County Development Plan 2016-2022

Developments of this type are governed by South Dublin County Council Development Plan 2016-2022 Parking Standards. Table 1 presents the parking spaces required for the proposed development in accordance with Table 11.23 of the SDCDP 2016-2022.

Table 1 - SDCDP 2016-2022 Car Parking Requirements

Category	Land Use	Zone 1 Standards	No. of Residents	Total No. of Parking Spaces Required
Accommodation	Nursing Home, Retirement Home	1 space per 4 residents	140	35

Table 1 indicates that the proposed extended site is required to provide **35 car parking spaces as part of the development to fully comply with parking standards**.

A total of 59 spaces will be provided on site in the proposed site layout. This will include 3no. disabled access spaces and a 'set-down' area for emergency vehicles.

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The proposed car park bays have been designed in accordance with the requirements set out in the development plan. All perpendicular spaces are a minimum of 2.4m x 4.8m and all parallel spaces are a minimum of 6.0m x 2.0m. Circulation aisles of 6.0m have been provided.

Sec 11.4.3 of the development plan sets out the council strategy for delivery of electric vehicle charging infrastructure. The plan notes *"To facilitate the use of electrically operated cars and bicycles in line with National Policy, all developments shall provide facilities for the charging of battery-operated cars at a rate of up to 10% of the total car parking spaces."*.

In line with emerging infrastructure requirements a total of 1 space will be designed to facilitate elective vehicle chargers.

Existing Parking Survey

To understand the existing car parking demand at the site during the most onerous days of operation, Kevin McShane Ltd undertook car parking accumulation surveys on Tuesday 25th January and Wednesday 26th January 2022 between the times of 05:30-21:00.

The existing site layout provides 61no. parking spaces at the site. The parking occupancy, availability of free parking spaces and parking accumulation per hour on Tuesday 25th January is summarised in Table 2.

Full parking accumulation results are provided in **Appendix B** of this technical note.

Table 2 - Tuesday 25th January Parking Accumulation (Existing Parking Provision 61 spaces)

Time	Arrivals	Departures	Accumulation	Car Park Utilisation	Free Spaces
		Occupied Before Survey	4		
05:30	0	0	4	7%	57
06:00-07:00	4	1	7	11%	54
07:00-08:00	32	11	28	46%	33
08:00-09:00	22	16	34	56%	27
09:00-10:00	16	9	41	67%	20
10:00-11:00	9	7	43	70%	18
11:00-12:00	11	10	44	72%	17
12:00-13:00	8	12	40	66%	21
13:00-14:00	10	10	40	66%	21
14:00-15:00	24	16	48	79%	13
15:00-16:00	7	15	40	66%	21
16:00-17:00	7	14	33	54%	28
17:00-18:00	14	13	34	56%	27
18:00-19:00	11	20	25	41%	36
19:00-20:00	11	13	23	38%	38
20:00-21:00	9	27	5	8%	56
Average			31	50%	30

Table 2 illustrates:
- The maximum number of occupied spaces was 48 between 14:00-15:00
- On average 31 spaces were occupied throughout the day, which equates to an average car park utilisation of 50%; and
- The average number of available parking spaces during a typical day was 30.

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The parking occupancy, availability of free parking spaces and parking accumulation per hour on Wednesday 26th January is summarised in Table 3.

Table 3 – Wednesday 26th January Parking Accumulation (Existing Parking Provision 61 spaces)

Time	Arrivals	Departures	Accumulation	Car Park Utilisation	Free Spaces
Occupied Before Survey			*3*		
05:30	0	0	3	5%	58
06:00-07:00	4	1	6	10%	55
07:00-08:00	32	9	29	48%	32
08:00-09:00	12	10	31	51%	30
09:00-10:00	11	5	37	61%	24
10:00-11:00	8	4	41	67%	20
11:00-12:00	17	14	44	72%	17
12:00-13:00	4	12	36	59%	25
13:00-14:00	8	10	34	56%	27
14:00-15:00	23	13	44	72%	17
15:00-16:00	18	15	47	77%	14
16:00-17:00	9	23	33	54%	28
17:00-18:00	12	15	30	49%	31
18:00-19:00	8	21	17	28%	44
19:00-20:00	12	11	18	30%	43
20:00-21:00	11	23	6	10%	55
Average			**29**	**47%**	**33**

Table 3 illustrates:

- The maximum number of occupied spaces was 47 between 15:00-16:00
- On average 29 spaces were occupied throughout the day, which equates to an average car park utilisation of 47%; and
- The average number of available parking spaces during a typical day was 33.

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Proposed Parking Demand

TRICS Analysis

In order to provide an indication of the car parking demand associated with the extended redeveloped site, we have consulted the TRICS database.

TRICS is the national system of trip generation analysis, a large database of inbound and outbound transport surveys covering a wide variety of development types.

As previously discussed, the proposed development will involve an additional 19no. residents at the proposed extended site. Therefore, the TRICS database (Version 7.8.4) has been interrogated to derive daily vehicle trip rates per hour associated with the additional residents.

The following parameters have been applied to derive the anticipated vehicle trip rates from the TRICS database (v7.8.4):

- Main Land Use Category: 05 - Health;
- Sub Land Use Category: F – Care Home (elderly residential);
- All regions except 'Greater London' and 'South East' have been included;

Once derived the vehicle trip rates per hour have been extrapolated to provide an indication of the vehicle trips (arrivals and departures) associated with the proposed extension. The appropriate TRICS printouts are included in **Appendix C** of this technical note.

Table 4 provides a summary of the weekday vehicle trip rates, the anticipated vehicle trips and the subsequent parking accumulation associated with the proposed extension.

Table 4 - Weekday Car Parking Accumulation based on Proposed Extension

Time	Arrivals	Departures	Arrivals	Departures	Accumulation
07:00-08:00	0.109	0.036	2	1	1
08:00-09:00	0.069	0.063	1	1	2
09:00-10:00	0.101	0.040	2	1	3
10:00-11:00	0.109	0.057	2	2	4
11:00-12:00	0.095	0.097	2	1	4
12:00-13:00	0.061	0.076	1	1	3
13:00-14:00	0.118	0.101	2	2	4
14:00-15:00	0.135	0.168	3	3	3
15:00-16:00	0.099	0.120	2	2	2
16:00-17:00	0.067	0.124	1	2	1
17:00-18:00	0.059	0.097	1	2	1
18:00-19:00	0.038	0.053	1	1	1
19:00-20:00	0.052	0.045	1	1	1
20:00-21:00	0.028	0.049	1	1	0

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The additional vehicle arrivals and departures associated with the extension have been considered in association with the existing car parking demand at the site.

Table 6 presents the car parking accumulation analysis of the proposed car park layout (59 spaces) during the most onerous assessment day (Tuesday 25th January 2022) and provides an indication of car park utilisation and available spaces on site with the vehicle demand associated with the proposed site.

Table 5 - Tuesday Proposed Parking Accumulation (Proposed Parking Provision 59 Spaces)

Time	Arrivals	Departures	Accumulation	Car Park Utilisation	Free Spaces
05:30	4*	0	4	7%	55
06:00-07:00	6	2	8	14%	51
07:00-08:00	33	12	30	50%	29
08:00-09:00	24	17	37	62%	22
09:00-10:00	18	10	45	76%	14
10:00-11:00	11	9	47	79%	12
11:00-12:00	12	11	47	80%	12
12:00-13:00	10	14	44	74%	15
13:00-14:00	13	13	43	73%	16
14:00-15:00	26	18	51	86%	8
15:00-16:00	8	17	42	70%	17
16:00-17:00	8	16	34	57%	25
17:00-18:00	15	14	35	59%	24
18:00-19:00	12	21	26	44%	33
19:00-20:00	12	14	23	39%	36
20:00-21:00	9	27	5	9%	54
Average			**32**	**55%**	**27**

*Including 4 occupied before survey

Table 5 illustrates:
- The maximum number of occupied spaces at the proposed site is anticipated to be 51 between 14:00-15:00;
- On average 32 spaces are anticipated to be occupied throughout the day, which equates to an average car park utilisation of 62%;
- The average number of available parking spaces during a typical day is anticipated to be 27; and
- The redevelopment proposals (revised parking layout 59 spaces) can accommodate the proposed parking demand associated with the redeveloped site with sufficient spare capacity to ensure there is no overspill of parked vehicles onto the local highway network.

Conclusions

Based on the information provided within this technical note it can be concluded that:
- The existing car park provision (61 spaces) at the site is currently underutilised, average car park utilisation during typical day was observed to be 47% and 50%;
- There is reserve capacity within the existing car park;
- The additional 19 residents associated with the site extension will generate additional parking demand at the site;
- The revised site layout will reduce parking supply to provide 59 spaces at the site;
- When the parking demand associated with the additional residents and the proposed car parking layout are considered, there remains sufficient capacity to accommodate the proposed parking demand at the site

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As the redevelopment proposals are an extension to the existing site use it is anticipated that parking demand patterns at the extended site will be consistent with existing behaviour.

A car parking accumulator has been developed using the arrival and departure profile and vehicle trips extracted from the TRICS database to assess the level of parking demand at the extended site. The accumulator has shown that the increase in vehicle trips associated with the redeveloped site can be accommodated within the proposed parking provision (59 spaces).

Therefore, it is considered that the parking requirements associated with the development site can be accommodated with no adverse impacts on the adjacent highway network.

In conclusion, the level of parking provision is acceptable at this location and the proposed application should be approved.

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Appendix A

Proposed Site Layout – See Architects Plan

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Appendix B

Existing Car Parking Accumulation Results

KILTIPPER CARE HOME			4	Before Survey
25/01/2022	IN	OUT	ACC	FREE SP
5:30	0	0	4	57
06:00	4	1	7	54
07:00	32	11	28	33
08:00	22	16	34	27
09:00	16	9	41	20
10:00	9	7	43	18
11:00	11	10	44	17
12:00	8	12	40	21
13:00	10	10	40	21
14:00	24	16	48	13
15:00	7	15	40	21
16:00	7	14	33	28
17:00	14	13	34	27
18:00	11	20	25	36
19:00	11	13	23	38
20:00	9	27	5	56
TOTAL	195	194		
	Average		31	30

KILTIPPER CARE HOME			3	Before Survey
26/01/2022	IN	OUT	ACC	FREE SP
5:30	0	0	3	58
06:00	4	1	6	55
07:00	32	9	29	32
08:00	12	10	31	30
09:00	11	5	37	24
10:00	8	4	41	20
11:00	17	14	44	17
12:00	4	12	36	25
13:00	8	10	34	27
14:00	23	13	44	17
15:00	18	15	47	14
16:00	9	23	33	28
17:00	12	15	30	31
18:00	8	21	17	44
19:00	12	11	18	43
20:00	11	23	6	55
TOTAL	189	186		
	Average		29	33

Calculation Reference: AUDIT-652801-220318-0342

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use   : 05 - HEALTH
Category   : F - CARE HOME (ELDERLY RESIDENTIAL)
TOTAL VEHICLES

Selected regions and areas:

04	**EAST ANGLIA**		
	SF	SUFFOLK	1 days
05	**EAST MIDLANDS**		
	DS	DERBYSHIRE	1 days
	NT	NOTTINGHAMSHIRE	1 days
07	**YORKSHIRE & NORTH LINCOLNSHIRE**		
	NY	NORTH YORKSHIRE	1 days
08	**NORTH WEST**		
	GM	GREATER MANCHESTER	1 days
	LC	LANCASHIRE	1 days
09	**NORTH**		
	TW	TYNE & WEAR	1 days
10	**WALES**		
	SW	SWANSEA	1 days
11	**SCOTLAND**		
	SR	STIRLING	1 days
12	**CONNAUGHT**		
	CS	SLIGO	1 days
15	**GREATER DUBLIN**		
	DL	DUBLIN	1 days

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

Primary Filtering selection:

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

Parameter:	Number of residents
Actual Range:	16 to 99 (units:)
Range Selected by User:	16 to 180 (units:)
Parking Spaces Range:	All Surveys Included

Public Transport Provision:
Selection by: Include all surveys

Date Range: 01/01/13 to 02/05/19

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

Selected survey days:

Monday	3 days
Tuesday	3 days
Wednesday	3 days
Thursday	1 days
Friday	1 days

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

Selected survey types:

Manual count	11 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:

Edge of Town Centre	2
Suburban Area (PPS6 Out of Centre)	4
Edge of Town	5

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.

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:
C2   11 days

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

Population within 500m Range:
All Surveys Included
Population within 1 mile:
1,000 or Less   1 days
5,001 to 10,000   5 days
15,001 to 20,000   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:
5,001 to 25,000   1 days
25,001 to 50,000   3 days
50,001 to 75,000   1 days
125,001 to 250,000   3 days
250,001 to 500,000   3 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   3 days
1.1 to 1.5   8 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   10 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   11 days

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

LIST OF SITES relevant to selection parameters

1 **CS-05-F-01** **NURSING HOME** **SLIGO**
CHURCH HILL
SLIGO

Edge of Town
Residential Zone
Total Number of residents: 99
Survey date: MONDAY 27/04/15 Survey Type: MANUAL

2 **DL-05-F-01** **NURSING HOME** **DUBLIN**
MOUNT ANVILLE PARK
DUBLIN
GOATSTOWN
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total Number of residents: 16
Survey date: TUESDAY 05/09/17 Survey Type: MANUAL

3 **DS-05-F-01** **NURSING HOME** **DERBYSHIRE**
29 VILLAGE STREET
DERBY

Suburban Area (PPS6 Out of Centre)
Residential Zone
Total Number of residents: 70
Survey date: TUESDAY 21/10/14 Survey Type: MANUAL

4 **GM-05-F-03** **NURSING HOME** **GREATER MANCHESTER**
HALIFAX ROAD
ROCHDALE

Edge of Town
Residential Zone
Total Number of residents: 30
Survey date: WEDNESDAY 29/05/13 Survey Type: MANUAL

5 **LC-05-F-02** **NURSING HOME** **LANCASHIRE**
LYTHAM ROAD
BLACKPOOL
SQUIRES GATE
Edge of Town
Residential Zone
Total Number of residents: 31
Survey date: TUESDAY 27/09/16 Survey Type: MANUAL

6 **NT-05-F-02** **NURSING HOME** **NOTTINGHAMSHIRE**
MOOR LANE
NEAR NOTTINGHAM
BINGHAM
Edge of Town Centre
No Sub Category
Total Number of residents: 34
Survey date: MONDAY 14/11/16 Survey Type: MANUAL

7 **NY-05-F-05** **NURSING HOME** **NORTH YORKSHIRE**
SEAGRIM CRESCENT
RICHMOND

Edge of Town
Residential Zone
Total Number of residents: 37
Survey date: MONDAY 04/03/19 Survey Type: MANUAL

8 **SF-05-F-01** **CARE HOME** **SUFFOLK**
COLCHESTER ROAD
IPSWICH

Edge of Town
Residential Zone
Total Number of residents: 17
Survey date: FRIDAY 18/09/15 Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

9   **SR-05-F-01**   **NURSING HOME**   **STIRLING**
PERTH ROAD
DUNBLANE

Suburban Area (PPS6 Out of Centre)
Residential Zone
Total Number of residents: 60
  Survey date: WEDNESDAY   *18/06/14*   *Survey Type: MANUAL*
10 **SW-05-F-01**   **NURSING HOME**   **SWANSEA**
ST HELENS ROAD
SWANSEA

Edge of Town Centre
No Sub Category
Total Number of residents: 78
  Survey date: WEDNESDAY   *11/12/13*   *Survey Type: MANUAL*
11 **TW-05-F-03**   **NURSING HOME**   **TYNE & WEAR**
MOORE STREET
GATESHEAD
FELLING SHORE
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total Number of residents: 52
  Survey date: THURSDAY   *02/05/19*   *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 05 - HEALTH/F - CARE HOME (ELDERLY RESIDENTIAL)
TOTAL VEHICLES
Calculation factor: 1 RESIDE
BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	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	11	48	0.109	11	48	0.036	11	48	0.145
08:00 - 09:00	11	48	0.069	11	48	0.063	11	48	0.132
09:00 - 10:00	11	48	0.101	11	48	0.040	11	48	0.141
10:00 - 11:00	11	48	0.109	11	48	0.057	11	48	0.166
11:00 - 12:00	11	48	0.095	11	48	0.097	11	48	0.192
12:00 - 13:00	11	48	0.061	11	48	0.076	11	48	0.137
13:00 - 14:00	11	48	0.118	11	48	0.101	11	48	0.219
14:00 - 15:00	**11**	**48**	**0.135**	**11**	**48**	**0.168**	**11**	**48**	**0.303**
15:00 - 16:00	11	48	0.099	11	48	0.120	11	48	0.219
16:00 - 17:00	11	48	0.067	11	48	0.124	11	48	0.191
17:00 - 18:00	11	48	0.059	11	48	0.097	11	48	0.156
18:00 - 19:00	11	48	0.038	11	48	0.053	11	48	0.091
19:00 - 20:00	10	43	0.052	10	43	0.045	10	43	0.097
20:00 - 21:00	10	43	0.028	10	43	0.049	10	43	0.077
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.140			1.126			2.266

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:	16 - 99 (units:)
Survey date date range:	01/01/13 - 02/05/19
Number of weekdays (Monday-Friday):	11
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 show. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

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Appendix C

TRICS Outputs

Calculation Reference: AUDIT-652801-220318-0342

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use   : 05 - HEALTH
Category   : F - CARE HOME (ELDERLY RESIDENTIAL)
TOTAL VEHICLES

Selected regions and areas:

04	**EAST ANGLIA**		
	SF	SUFFOLK	1 days
05	**EAST MIDLANDS**		
	DS	DERBYSHIRE	1 days
	NT	NOTTINGHAMSHIRE	1 days
07	**YORKSHIRE & NORTH LINCOLNSHIRE**		
	NY	NORTH YORKSHIRE	1 days
08	**NORTH WEST**		
	GM	GREATER MANCHESTER	1 days
	LC	LANCASHIRE	1 days
09	**NORTH**		
	TW	TYNE & WEAR	1 days
10	**WALES**		
	SW	SWANSEA	1 days
11	**SCOTLAND**		
	SR	STIRLING	1 days
12	**CONNAUGHT**		
	CS	SLIGO	1 days
15	**GREATER DUBLIN**		
	DL	DUBLIN	1 days

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

Primary Filtering selection:

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

Parameter:	Number of residents
Actual Range:	16 to 99 (units:)
Range Selected by User:	16 to 180 (units:)

Parking Spaces Range: All Surveys Included

Public Transport Provision:
Selection by: Include all surveys

Date Range: 01/01/13 to 02/05/19

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

Selected survey days:

Monday	3 days
Tuesday	3 days
Wednesday	3 days
Thursday	1 days
Friday	1 days

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

Selected survey types:

Manual count	11 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:

Edge of Town Centre	2
Suburban Area (PPS6 Out of Centre)	4
Edge of Town	5

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.

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:

C2   11 days

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

Population within 500m Range:
All Surveys Included
Population within 1 mile:

1,000 or Less	1 days
5,001 to 10,000	5 days
15,001 to 20,000	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:

5,001 to 25,000	1 days
25,001 to 50,000	3 days
50,001 to 75,000	1 days
125,001 to 250,000	3 days
250,001 to 500,000	3 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	3 days
1.1 to 1.5	8 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	10 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   11 days

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

LIST OF SITES relevant to selection parameters

1	**CS-05-F-01**	**NURSING HOME**	**SLIGO**

CHURCH HILL
SLIGO

Edge of Town
Residential Zone
Total Number of residents: 99
   Survey date: MONDAY   *27/04/15*   *Survey Type: MANUAL*

2	**DL-05-F-01**	**NURSING HOME**	**DUBLIN**

MOUNT ANVILLE PARK
DUBLIN
GOATSTOWN
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total Number of residents: 16
   Survey date: TUESDAY   *05/09/17*   *Survey Type: MANUAL*

3	**DS-05-F-01**	**NURSING HOME**	**DERBYSHIRE**

29 VILLAGE STREET
DERBY

Suburban Area (PPS6 Out of Centre)
Residential Zone
Total Number of residents: 70
   Survey date: TUESDAY   *21/10/14*   *Survey Type: MANUAL*

4	**GM-05-F-03**	**NURSING HOME**	**GREATER MANCHESTER**

HALIFAX ROAD
ROCHDALE

Edge of Town
Residential Zone
Total Number of residents: 30
   Survey date: WEDNESDAY   *29/05/13*   *Survey Type: MANUAL*

5	**LC-05-F-02**	**NURSING HOME**	**LANCASHIRE**

LYTHAM ROAD
BLACKPOOL
SQUIRES GATE
Edge of Town
Residential Zone
Total Number of residents: 31
   Survey date: TUESDAY   *27/09/16*   *Survey Type: MANUAL*

6	**NT-05-F-02**	**NURSING HOME**	**NOTTINGHAMSHIRE**

MOOR LANE
NEAR NOTTINGHAM
BINGHAM
Edge of Town Centre
No Sub Category
Total Number of residents: 34
   Survey date: MONDAY   *14/11/16*   *Survey Type: MANUAL*

7	**NY-05-F-05**	**NURSING HOME**	**NORTH YORKSHIRE**

SEAGRIM CRESCENT
RICHMOND

Edge of Town
Residential Zone
Total Number of residents: 37
   Survey date: MONDAY   *04/03/19*   *Survey Type: MANUAL*

8	**SF-05-F-01**	**CARE HOME**	**SUFFOLK**

COLCHESTER ROAD
IPSWICH

Edge of Town
Residential Zone
Total Number of residents: 17
   Survey date: FRIDAY   *18/09/15*   *Survey Type: MANUAL*

LIST OF SITES relevant to selection parameters (Cont.)

9   SR-05-F-01   NURSING HOME   STIRLING
PERTH ROAD
DUNBLANE

Suburban Area (PPS6 Out of Centre)
Residential Zone
Total Number of residents: 60
    Survey date: WEDNESDAY   _18/06/14_   _Survey Type: MANUAL_

10   SW-05-F-01   NURSING HOME   SWANSEA
ST HELENS ROAD
SWANSEA

Edge of Town Centre
No Sub Category
Total Number of residents: 78
    Survey date: WEDNESDAY   _11/12/13_   _Survey Type: MANUAL_

11   TW-05-F-03   NURSING HOME   TYNE & WEAR
MOORE STREET
GATESHEAD
FELLING SHORE
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total Number of residents: 52
    Survey date: THURSDAY   _02/05/19_   _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 05 - HEALTH/F - CARE HOME (ELDERLY RESIDENTIAL)
TOTAL VEHICLES
Calculation factor: 1 RESIDE
BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	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	11	48	0.109	11	48	0.036	11	48	0.145
08:00 - 09:00	11	48	0.069	11	48	0.063	11	48	0.132
09:00 - 10:00	11	48	0.101	11	48	0.040	11	48	0.141
10:00 - 11:00	11	48	0.109	11	48	0.057	11	48	0.166
11:00 - 12:00	11	48	0.095	11	48	0.097	11	48	0.192
12:00 - 13:00	11	48	0.061	11	48	0.076	11	48	0.137
13:00 - 14:00	11	48	0.118	11	48	0.101	11	48	0.219
14:00 - 15:00	**11**	**48**	**0.135**	**11**	**48**	**0.168**	**11**	**48**	**0.303**
15:00 - 16:00	11	48	0.099	11	48	0.120	11	48	0.219
16:00 - 17:00	11	48	0.067	11	48	0.124	11	48	0.191
17:00 - 18:00	11	48	0.059	11	48	0.097	11	48	0.156
18:00 - 19:00	11	48	0.038	11	48	0.053	11	48	0.091
19:00 - 20:00	10	43	0.052	10	43	0.045	10	43	0.097
20:00 - 21:00	10	43	0.028	10	43	0.049	10	43	0.077
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.140			1.126			2.266

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: 16 - 99 (units:)
Survey date date range: 01/01/13 - 02/05/19
Number of weekdays (Monday-Friday):   11
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 show. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.