

**Link House,
Stakehill Industrial
Estate, Middleton**

TRANSPORT STATEMENT

Report prepared for
Meadows Care Ltd

March 2025

Report Reference 1975/1/B



ASHLEY HELME
ASSOCIATES



Transport Statement

Link House, Stakehill Industrial Estate, Middleton

Client: Meadows Care Ltd

Report Ref: 1975/1/B

Status: Final

Date: March 2025

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Transport Statement

Link House, Stakehill Industrial Estate, Middleton

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1 Introduction

- 1.1 Ashley Helme Associates Limited (AHA) are appointed by Meadows Care Ltd to prepare a Transport Statement (TS) to support the planning application for the conversion of an existing office building to a Secondary School with provision for post 16 year olds. The proposed development is located at Link House, Finlan Road, Stakehill Industrial Estate (henceforth referred to as the Site). The location of the Site is indicated on Figure 1.1, in the context of the local highway network.
- 1.2 The Site comprises a two floor office building with a total Gross Floor Area (GFA) of 622sm. It also benefits from 34 parking spaces.
- 1.3 The planning application is for a temporary change of use from office to a special school. The school will cater for young people that have educational, social, emotional or behavioural difficulties and/or chronic trauma and developmental difficulties. Meadows School has existing facilities in Rochdale and Stockport. Link House will eventually replace the facility at Rochdale. The new school at Link House will accommodate a maximum of 40 students at any one time. The school will also have 9 members of staff.
- 1.5 **Scope of Report**
- 1.5.1 The issues addressed within this TS fall broadly into the following areas:
- Accessibility by non-car modes, and
 - The vehicular traffic impact on the operational performance of the local highway network.
- 1.5.2 The local highway network is described in Chapter 2. The proposed Site access arrangements are outlined in Chapter 3.
- 1.5.3 The accessibility of the Site by choice of mode is considered in Chapter 4.
- 1.5.4 The traffic generated by the existing office and the proposed development is estimated in Chapter 5. The summary and conclusions of the TS are presented in Chapter 6.



2 Existing Conditions

- 2.1 The Site is located on land south of Finlan Road, close to the junction with Whitbrook Way. The Site benefits from an existing access on Finlan Road, that is located circa 30m southeast of the junction with Whitbrook Way.

2.2 Finlan Road

- 2.2.1 Finlan Road is a single carriageway road, circa 7.3m wide and subject to a 30mph speed limit. It is part of a loop road system within the industrial estate along with Touchet Hall Road and Boswell Way.
- 2.2.2 There is footway on both sides of Finlan Road in the vicinity of the Site and street lighting is present. There are waiting restrictions on both sides of Finlan Road in the vicinity of the Site.
- 2.2.3 Finlan Road is a bus route and there is an existing bus stop on the north side of the road circa 205m east of the Site.
- 2.2.4 Finlan Road forms a priority-controlled junction with Whitbrook Way circa 30m northwest of the Site.

2.3 Whitbrook Way

- 2.3.1 Whitbrook Way is a single carriageway road to the south of the Site, but has single lane dualling between Finlan Road and Stattocks Roundabout to the north. It is subject to a 30mph speed limit.
- 2.3.2 There is footway on both sides of Whitbrook Way and street lighting is present.
- 2.3.3 Whitbrook Way forms an at grade roundabout junction with the A627(M)/A664 circa 180m north of the Site. There are unassisted crossing points on the splitter islands at each arm of the roundabout junction.

2.4 Collision History

- 2.4.1 The CrashMap website has been reviewed for the latest available five-year collision records for the local highway network in the vicinity of the Site. The screenshot of the CrashMap data is included in Appendix A.
- 2.4.2 Review of the CrashMap data shows that there were no recorded collisions on Finlan Road in the vicinity of the Site.



2.4.3 There are two recorded collisions on Whitbrook Way. The first occurred on 22.11.20 to the north of Finlan Road. The collision involved two vehicles and is classified as serious. The second occurred on 18.05.21, involved two cars and is classified as slight.

2.4.4 There are five recorded collisions at the Stattocks Roundabout. A summary of these collisions is set out below:

Date	No Vehicles	No of Casualties	Severity
20.03.20	1	3	Fatal,
13.06.21	1	1	Slight,
21.10.21	1	1	Slight,
29.06.22	2	1	Serious,
27.11.23	3	1	Slight.

2.4.5 There have been five recorded collision at the roundabout junction and regrettably one of these is classified as fatal. The Stattocks Roundabout is a very busy junction with the A627(M) terminating at the junction.



3 Proposed Site Access Arrangements

3.1 Access Strategy

- 3.1.1 It is proposed to utilise the existing access arrangements on Finlan Road to serve the proposed development.

3.2 Site Access Arrangements

- 3.2.1 The proposed Site Access arrangements are shown on Drg No 1975/01/A. This shows the existing priority-controlled junction on Finlan Road. The geometry comprises:

- 5.0m wide access road;
- Shared surface arrangement within the car park;
- 2.4m x 40m visibility splay to the right;
- 2.4m x 40m visibility splay to a vehicle turning right into Finlan Road;
- 2.4m x 37m visibility splay to a vehicle turning left into Finlan Road.

- 3.2.2 The existing Site access is located 30m southeast of the Whitbrook Way/Finlan Road junction and this impacts on the visibility available to the left at the existing access. Both Finlan Road and Whitbrook are subject to a 30mph speed limit and a 40m stopping sight distance meets MfS visibility. This is achievable to the right from the Site access and to a right turning vehicle at the junction of Whitbrook Way/Finlan Road, but the visibility to a vehicle turning left into Finlan Road is 37m. However, any vehicles turning left into Finlan Road is likely to be travelling at less than 30mph to be able to make the turn safely. Therefore, it is concluded that the visibility at the access is suitable.

3.3 Parking

- 3.4.1 Appendix 5 of the Rochdale Borough Council Core Strategy (2016) includes the schedule of the Council's parking standards. The parking standards for Primary & Secondary Schools are set out below:

Max standard Cars	Min standard for Cycle	Min standards for 2 wheeled Vehicles
1.5 spaces per classroom	1 space per 10FT equivalent staff	1 space per 40 FT equivalent staff.



3.4.2 The School will provide 11 classrooms and based on the above standards, it should provide a maximum of 17 car park spaces.

3.4.3 The School proposes 7 staff and visitor parking spaces and a further 12 drop-off/pick-up parking spaces, bringing the total to 19 spaces. This is slightly in excess of the 17 spaces set out in the maximum standards, but not excessively so and the nature of the special school may involve more children being from a wider catchment than a typical secondary school and have more students escorted to/from the school by car.

3.4.4 Disabled Parking Provision

3.4.4.1 The Rochdale Borough Council disabled parking standards are also set out in Appendix 5 of the Core Strategy. For car parks below 12 spaces, the standard is 10% of total capacity. For car parks between 12 to 200 spaces the standards require a minimum of 3 disabled spaces or 6% of the total, whichever is greater.

3.4.4.2 The provision of 3 disabled parking spaces, as per the standards, would represent 15% of the total on-site parking provision. In order for 3 spaces to be 6% of the total provision, the car park would need to have 50 spaces. Therefore, it is proposed to provide 2 disabled spaces on site which represents 10% of the total parking provision, which is still greater than 6%. It is considered that the proposed disabled parking provides the appropriate balance in the context of the spaces proposed.

3.4.6 Cycle Parking Standards

3.4.6.1 The Rochdale Borough Council standards for cycle parking are contained in the Core Strategy. The minimum standard for cycle parking is 1 space per 10 full time equivalent staff and 1 space per 10 pupils.

3.4.6.2 The proposed development will provide 6 cycle spaces, which exceed the Council standards set out in Appendix 5 of the Core Strategy. These are shown on Drg No 1975/01/A.



4 Accessibility By Non-Car Modes

4.1 Walk

- 4.1.1 It is established and acknowledged that walking is the most important mode of travel at the local level and offers the greatest potential to replace short car trips, particularly under 2 kilometres.
- 4.1.2 The National Travel Survey of 2023 (NTS 2023) is the latest available data. NTS 2023 confirms that 29% of **all** trips are undertaken on foot. However, for trips less up to 1 mile (1.6km), 81% of journeys are carried out on foot.
- 4.1.3 The NTS also sets out that, on average, people:
- (i) undertake 263 walk trips per year,
 - (ii) walk a total of 225 miles per year.
- 4.1.4 Based on the total walk distance of 225 miles and 263 trips per year, this means that the average walk trip is about 0.86 miles (circa 1.37km).
- 4.1.5 The NTS establishes that:
- (i) 81% of all trips under 1 mile (1.6km) are made by foot,
 - (ii) Nearly all walks recorded in the NTS were under 5 miles (99.8%),
 - (iii) Walking accounts for 29% of all trips and 4% of distance travelled,
 - (iv) Most trips to/from school for a trip length of under 1 mile were made by walking (80% for children aged 5-10 and 89% for children aged 11-16).
- 4.1.6 The CIHT provides guidance about journeys made on foot. It does not provide a definitive view of distances, but does suggest a preferred maximum distance of 2000m for walk commuting and education trips. A 400m distance corresponds to a walk time of five minutes, based upon typical normal walking speed. Figure 4.1 presents the 5, 10, 15, 20 and 25 minute walk time isochrones for the Site, (ie reflecting 400m, 800m, 1200m, 1600m and 2000m distances).
- 4.1.7 Review of Figure 4.1 confirms that residential areas of Middleton and Castleton are within a 2km walk of the Site. Any staff and students living within these areas would have opportunity to walk to/from the Site. However, it must be recognised that due to the nature of the special school it will have a larger catchment area than a typical secondary school, with students living in various



locations across Greater Manchester. Therefore, the opportunity for students to walk to the School is likely to be lower than most secondary schools that have much smaller catchments.

- 4.1.6 Figure 4.2 presents the Public Rights of Way (PROW) in the vicinity of the Site. Review of Figure 4.2 shows that there is a large network of PROW that are complementary to the footway provided on the local roads.

4.2 Cycle

- 4.2.1 It is recognised that cycling also has potential to substitute for short car trips, particularly those under 5 kilometres and to form part of a longer journey by public transport.

- 4.2.2 *Gear Change, A Bold Vision for Cycling and Walking* (DfT, 2020) states:

"58% of car journeys in 2018 were under 5 miles. And in urban areas, more than 40% of journeys were under 2 miles in 2017-18. For many people, these journeys are perfectly suited to cycling and walking." (Page 11)

- 4.2.3 Figure 4.3 indicates the 2km and 5km cycle isochrones for the Site, reflecting typically 10 minute and 25 minute journeys. Review of Figure 4.3 highlights that parts of Heywood, Rochdale, Castleton, Royton, Chidderton and Middleton are within a 5km cycle ride of the Site. There is opportunity for staff and students living within these areas to undertake trips by cycle to/from the Site.

- 4.2.4 Figure 4.4 presents the cycle routes in the vicinity of the Site. There is a National Cycle Network (NCN) link route that runs along the eastern bank of the Rochdale Canal.

4.3 Public Transport

- 4.3.1 The proposed development affords opportunity for staff and students to undertake public transport journeys by bus, Metrolink tram and rail.

4.3.2 Bus

- 4.3.2.1 The closest bus stops to the Site is on Finlan Road circa 205m east of the Site. The 17A and 434 bus services call at this stop. There are also stops on both sides of the A664 that are within an 800m walk of the Site. In addition to the 17A and 434, the 17 and 788 bus services also call at these stops.



4.3.2.2 The routes and frequency of these services are set out below:

Service	Route	Mon-Sat	Frequency	
			Evenings	Sundays
17	Shudehill Int-Edenfield Road	10-15min ⁽¹⁾	10-15min ⁽¹⁾	15-30min ⁽¹⁾
17A	Shudehill Int-Rochdale Int	2 trips ⁽²⁾	-	-
434	Rochdale Int-Middleton Bus Station	60min	60min	60min
788	Cardinal Langley School-Manor Rd	2 trips ⁽³⁾	-	-

Notes

1. On Monday to Fridays, the service frequency varies but is typically 10-15min, with some times between services less than 10min. On Saturdays, the frequency is typically every 10 min and on Sundays every 15min during the day and extending to 30min in the evening.
2. The service provides 2 trips in each direction in the AM.
3. This is a School service that runs between Cardinal Langley RC High School and Alkrington.

4.3.2.3 Review of the above shows that the stops on Finlan Road and the A664 provide opportunity to travel to/from destinations including Shudehill Interchange (Manchester City Centre), Rochdale Interchange and Middleton Bus Station. This provides further opportunity to access additional bus services that call at these stops.

4.3.3 Metrolink

4.3.3.1 The 17 and 434 bus services call at Rochdale Interchange, which also provides access to the Metrolink system. Rochdale is located on the East Didsbury to Rochdale (Pink) Line and operates with a 12 minute frequency Monday to Friday between 6am and Midnight.

4.3.3.2 Those using the Pink Line can change Tram services at Victoria, St Peters Square, Cornbrook, Trafford Bar and St Werburgh's Road stops. Providing further access to other Metrolink lines and services.

4.3.3.3 The location of the Site provides opportunity to access the Greater Manchester Metrolink network.

4.3.4 Rail

4.3.4.1 Castleton train station is located circa 2.5km north of the Site. However, there are stops on the A664 within 400m of the Station that are serviced by the 17, 17A and 434 bus services.



- 4.3.4.2 Castleton train station is located on the Calder Valley Line. It is operated by Northern Trains. There are typically two trains per hour calling at the station. Destinations include:

Destination	Approximate Journey Time
Manchester Victoria	17-19min,
Moston	8min,
Rochdale	3min,
Littleborough	25-31min,
Todmorden	17-25min,
Burnley	49-52min,
Blackburn	69-74min,
Preston	90-93min,
Halifax	38-44min,
Bradford	52-58min,
Leeds	76-83min.

- 4.3.4.2 Review of the above shows that the location of the Site affords opportunity to travel to and from a range of destinations by rail.

4.4 Summary

- 4.4.1 Transport sustainability is a principle underlying the proposed development. Encouraging walk, cycle and public transport journeys is recognised as important, and the existing infrastructure provides opportunity for journeys to and from the Site to be undertaken by sustainable modes.



5 Generated Traffic

- 5.1 The Site is occupied by a 622sm Office building, with 34 car parks spaces at present. The proposed development comprises a temporary change of use from office to a secondary school. Therefore, it is necessary to estimate the traffic generated by the existing and proposed uses.

5.2 Peak Hours

- 5.2.1 The times when the traffic generated by an office use is typically greatest are the weekday AM and PM peak hours. These also coincide with the times that local highway networks generally experience the greatest demand. These are usually around 0800-0900 and 1700-1800. The AM peak hour for schools tend to coincide with those of the local highway network, but the PM peak hour for a School is generally earlier, being around 1500-1600.

5.3 Existing Use: Office

- 5.3.1 The TRICS database is interrogated to identify suitable trip generation rates to adopt for estimating the AM and PM peak hour traffic generated by the existing office use.
- 5.3.2 TRICS is interrogated for information about trip generation rates for offices. Criteria adopted for this interrogation include:
- Offices,
 - Sites between 178-1500sm,
 - All surveys 2016 or more recent,
 - Sites in Ireland, Northern Ireland and Greater London excluded on the basis that they may have significantly different travel characteristics,
 - Surveys undertaken during Covid 19 restrictions removed,
 - If a site has multiple survey date entries, include only the most recent survey used within the identified TRICS sample, (to avoid statistical bias in the trip rates identified for use in the analysis).
- 5.3.3 On this basis, 3 sites are identified and the results of the TRICS interrogation are included in Appendix B. Average trip rates are adopted to estimate the traffic generated by the existing office use.



- 5.3.4 Review of the TRICS data shows that the trip rates for 1630-1730 are higher than those for 1700-1800 and robustness the higher rates are adopted. The AM and PM peak hour office trip rates (per 100sm) adopted for the quantitative analysis are:

	ARR	DEP	2-WAY
AM (0800-0900)	2.613	0.237	2.850
PM (1700-1800)	0.238	2.850	3.088.

- 5.3.5 The consequent estimate of traffic (in vehicles) generated by the existing 622sm office use in the AM and PM peak hours is:

	ARR	DEP	2-WAY
AM (0800-0900)	16	2	18
PM (1700-1800)	1	18	19.

5.4 Generated Traffic: Proposed School

- 5.4.1 The School proposes staggered start and finish times to reduce the amount of drop-off and pick-up activity at any one time. The proposed start and finish times are set out below:

School Start	School Finish
0900	1430
0930	1500.

- 5.4.2 Half of the Students will start at 0900 and finish at 1430 and the other half will start at 0930 and finish at 1500.
- 5.4.3 The general operating hours of the school will be between 0800 and 1800, with possibly up to 6 parents evenings per year that will run beyond 1800. Arrival times in the AM and PM periods will be staggered by the school to reduce the number of vehicles arriving at the same time.
- 5.4.4 The TRICS database is interrogated to identify suitable trip generation rates to adopt for estimating the AM and PM peak hour traffic generated by the proposed School.
- 5.4.5 TRICS is interrogated for information about trip generation rates for schools. Criteria adopted for this interrogation include:

- Secondary Schools,



- Sites with 520-1913 pupils,
- All surveys 2016 or more recent,
- Sites in Ireland, Northern Ireland and Greater London excluded on the basis that they may have significantly different travel characteristics,
- Surveys undertaken during Covid 19 restrictions removed,
- If a site has multiple survey date entries, include only the most recent survey used within the identified TRICS sample, (to avoid statistical bias in the trip rates identified for use in the analysis).

5.4.6 On this basis, 6 sites are identified and the results of the TRICS interrogation are included in Appendix B.

5.4.7 The AM and PM peak hour average trip rates (per pupil) for secondary schools are:

	ARR	DEP	2-WAY
AM (0800-0900)	0.223	0.181	0.404
PM (1500-1600)	0.086	0.141	0.227.

5.4.8 However, it is recognised that the proposed school is much smaller than typical secondary schools and also being a special school, it is likely to have a greater catchment area. Therefore, it is likely that the school will generate more vehicular movements per pupil than an average secondary school.

5.4.9 Consequently, AHA contacted the Meadows School to establish the modal choice of pupils and staff at the existing school in Rochdale. The School undertook a 'hands up' questionnaire survey and the results are included in Appendix C. The mode choice of the existing pupils and staff at the Egerton House Site are as follows:

Students	Percentage
Taxi (single occupancy)	15%
Private Car (single occupancy)	15%
Private Car (shared occupancy)	70%.

Staff	Percentage
Private Car (single occupancy)	78%
Private Car (shared occupancy)	22%.

5.4.10 Whilst it is hoped that the sustainable location of the Link House Site will encourage more sustainable travel choices, it is proposed to adopt the modal choices based on the



questionnaire results to provide a robust assessment of the traffic impact of the development proposals. The estimate of the traffic generated by the 40 students and 9 is set out below:

Students

	ARR	DEP	2-WAY
AM (0830-0900)	19	19	38
AM (0900-0930)	18	18	36
Total	37	37	74
PM (1430-1500)	19	19	38
PM (1500-1530)	18	18	36
Total	37	37	74.

Staff

	ARR	DEP	2-WAY
AM (0800-0900)	8	0	8
PM (1700-1800)	0	8	8.

5.4.10 However, the School day will be staggered with half of Students starting at 0900 and finishing their day at 1430 and the other half starting at 0930 and finishing at 1500. It is likely that half of the Students will arrive after the typical AM peak hour of 0800-0900. Therefore, these movements are excluded from the AM peak hour (0800-0900). It is also likely that the majority of staff will probably arrive at the Site between 0800 and 0830. The School day will finish at either 1430 or 1500, so student departures from the Site will be before 1600. Therefore, the student movements are excluded from the PM peak hour (1700-1800). Staff are likely to leave the Site between 1700-1800.

5.4.11 On this basis the estimate of the traffic generated by the School in the AM and PM peak hours of 0800-0900 and 1700-1800 is set out below:

Total

	ARR	DEP	2-WAY
AM (0800-0900)	27	19	46
PM (1700-1800)	0	8	8.

5.5 Net Change in Traffic

5.5.1 The estimate of the net change in traffic generated by the proposed development is set out below:



USE	AM			PM		
	ARR	DEP	2-WAY	ARR	DEP	2-WAY
Office	16	2	18	1	18	19
School	27	19	46	0	8	8
Difference	+11	+17	+28	-1	-10	-11.

5.5.2 The above compares the estimate of the traffic generated in the typical AM and PM peak hours of 0800-0900 and 1700-1800 for each use. In the AM peak hour, the proposed School is estimated to generate a net increase of **+28** two-way movements. In the PM peak hour, the proposed School is estimated to generate a net decrease of **-11** two-way movements.

5.5.3 The proposed School will result in a modest increase in traffic in the AM peak hour compared to the existing office use and will result in a small decrease in traffic in the PM peak hour. It is concluded that the change in traffic attributable to the proposed development will not have an adverse impact on the local highway network.



6 Summary & Conclusions

- 6.1 Ashley Helme Associates Limited (AHA) are appointed by Meadows Care Ltd to prepare a Transport Statement (TS) to support the planning application for the conversion of an existing office building to a Secondary School with provision for post 16 year olds. The proposed development is located at Link House, Finlan Road, Stakehill Industrial Estate (henceforth referred to as the Site). The location of the Site is indicated on Figure 1.1, in the context of the local highway network.
- 6.2 The Site comprises a two floor office building with a total Gross Floor Area (GFA) of 622sm. It also benefits from 34 parking spaces.
- 6.3 The planning application is for a temporary change of use from office to a special school. The school will cater for young people that have educational, social, emotional or behavioural difficulties and/or chronic trauma and developmental difficulties. Meadows School has existing facilities in Rochdale and Stockport. Link House will eventually replace the facility at Rochdale. The new school at Link House will accommodate a maximum of 40 students at any one time. The school will also have 9 members of staff. The School start and finish times will be staggered to reduce the number of students arriving at any one time.
- 6.4 The proposed Site Access arrangements are shown on Drg No 1975/01/A. This shows the existing priority-controlled junction on Finlan Road. The geometry comprises:
- 5.0m wide access road;
 - Shared surface arrangement within the car park;
 - 2.4m x 40m visibility splay to the right;
 - 2.4m x 40m visibility splay to a vehicle turning right into Finlan Road;
 - 2.4m x 37m visibility splay to a vehicle turning left into Finlan Road.
- 6.5 The School will prove 11 classrooms and based on Rochdale Borough Council's parking standards, it should provide a maximum of 17 car park spaces. The School proposes 7 staff and visitor parking spaces and a further 12 drop-off/pick-up parking spaces, bringing the total to 19 spaces. This is slightly in excess of the 17 spaces set out in the maximum standards, but not excessively so and the nature of the special school may involve more children being from a wider catchment than a typical secondary school and have more students escorted to/from the school by car.



- 6.6 It is proposed to provide 2 disabled spaces on site which represents 10% of the total parking provision. It is also proposed development will provide 6 cycle spaces, which exceed the Council standards set out in Appendix 5 of the Core Strategy.
- 6.7 Transport sustainability is a principle underlying the proposed development. Encouraging walk, cycle and public transport journeys is recognised as important, and the existing infrastructure provides opportunity for journeys to and from the Site to be undertaken by sustainable modes.
- 6.8 The closest bus stops to the Site is on Finlan Road circa 205m east of the Site. The 17A and 434 bus services call at this stop. There are also stops on both sides of the A664 that are within an 800m walk of the Site. In addition to the 17A and 434, the 17 and 788 bus services also call at these stops. These services provide opportunity to travel to/from destinations including Shudehill Interchange (Manchester City Centre), Rochdale Interchange and Middleton Bus Station. This provides further opportunity to access additional bus services that call at these stops.
- 6.9 The 17 and 434 bus services call at Rochdale Interchange, which also provides access to the Metrolink system. Castleton train station is located circa 2.5km north of the Site, but there are stops on the A664 within 400m of the Station that are serviced by the 17, 17A and 434 bus services.
- 6.10 The estimate of the net change in traffic generated by the proposed change of use from Office to a Secondary School is set out below:

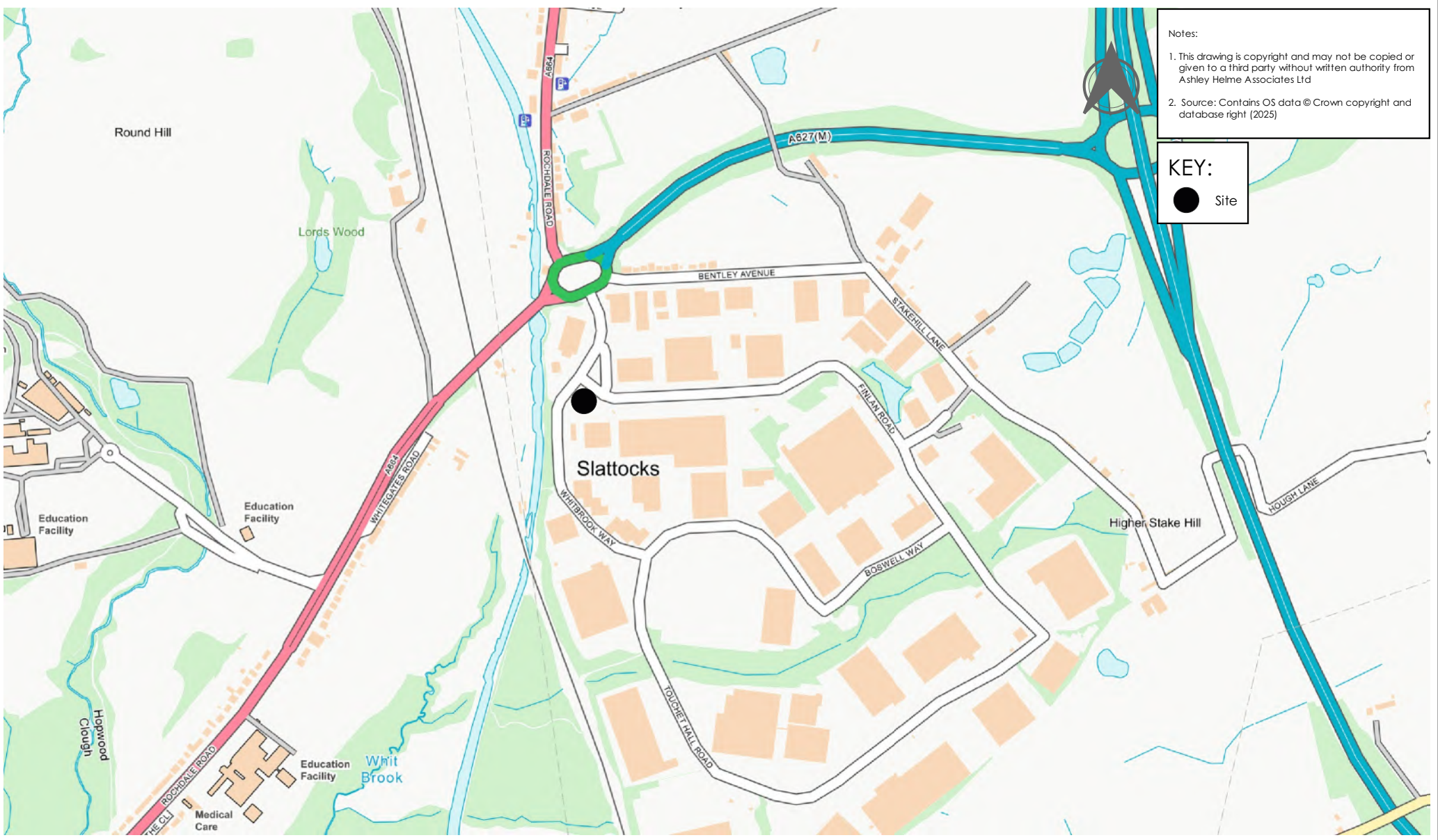
USE	AM			PM		
	ARR	DEP	2-WAY	ARR	DEP	2-WAY
Office	16	2	18	1	18	19
School	27	19	46	0	8	8
Difference	+11	+17	+28	-1	-10	-11.

- 6.11 The above compares the estimate of the traffic generated in the typical AM and PM peak hours of 0800-0900 and 1700-1800 for each use. In the AM peak hour, the proposed School is estimated to generate a net increase of **+28** two-way movements. In the PM peak hour, the proposed School is estimated to generate a net decrease of **-11** two-way movements.
- 6.12 The proposed School will result in a modest increase in traffic in the AM peak hour compared to the existing office use and will result in a small decrease in traffic in the PM peak hour. It is concluded that the change in traffic attributable to the proposed development will not have an adverse impact on the local highway network.



- 6.13 A comprehensive appraisal of the transport impacts of the proposed development is undertaken. It is concluded that the proposed development is in accordance with national and local transport policies, and that there are no transport/highways reasons for refusal of planning permission.

Figures



Project:
LINK HOUSE, STAKEHILL

Client:
CADENCE ARCHITECTURE LTD

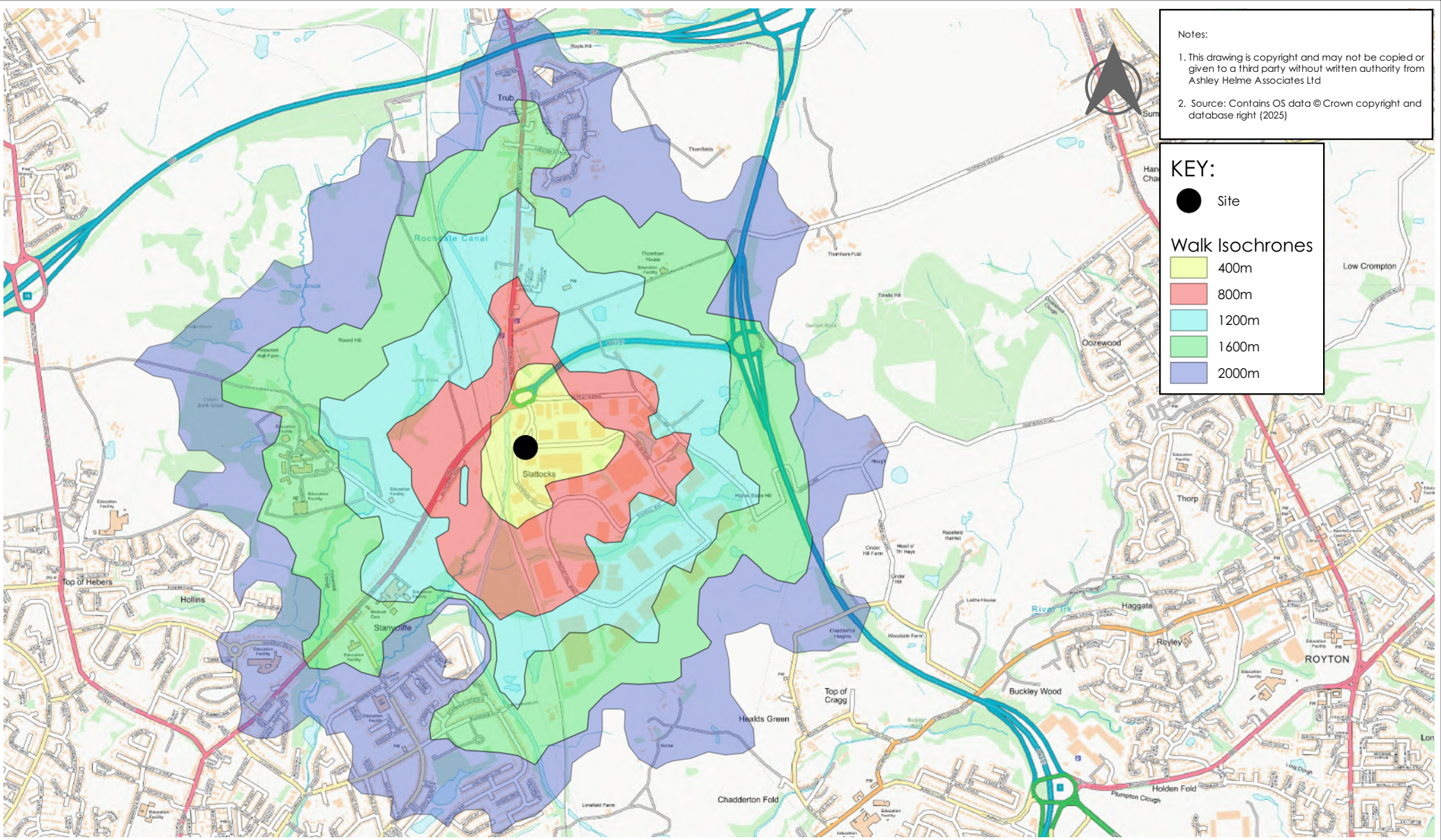
Title:
LOCATION PLAN

FIGURE 1.1

Date:
MARCH 2025

Scale:
NTS





Notes:

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KEY:

● Site

Walk Isochrones

- 400m
- 800m
- 1200m
- 1600m
- 2000m

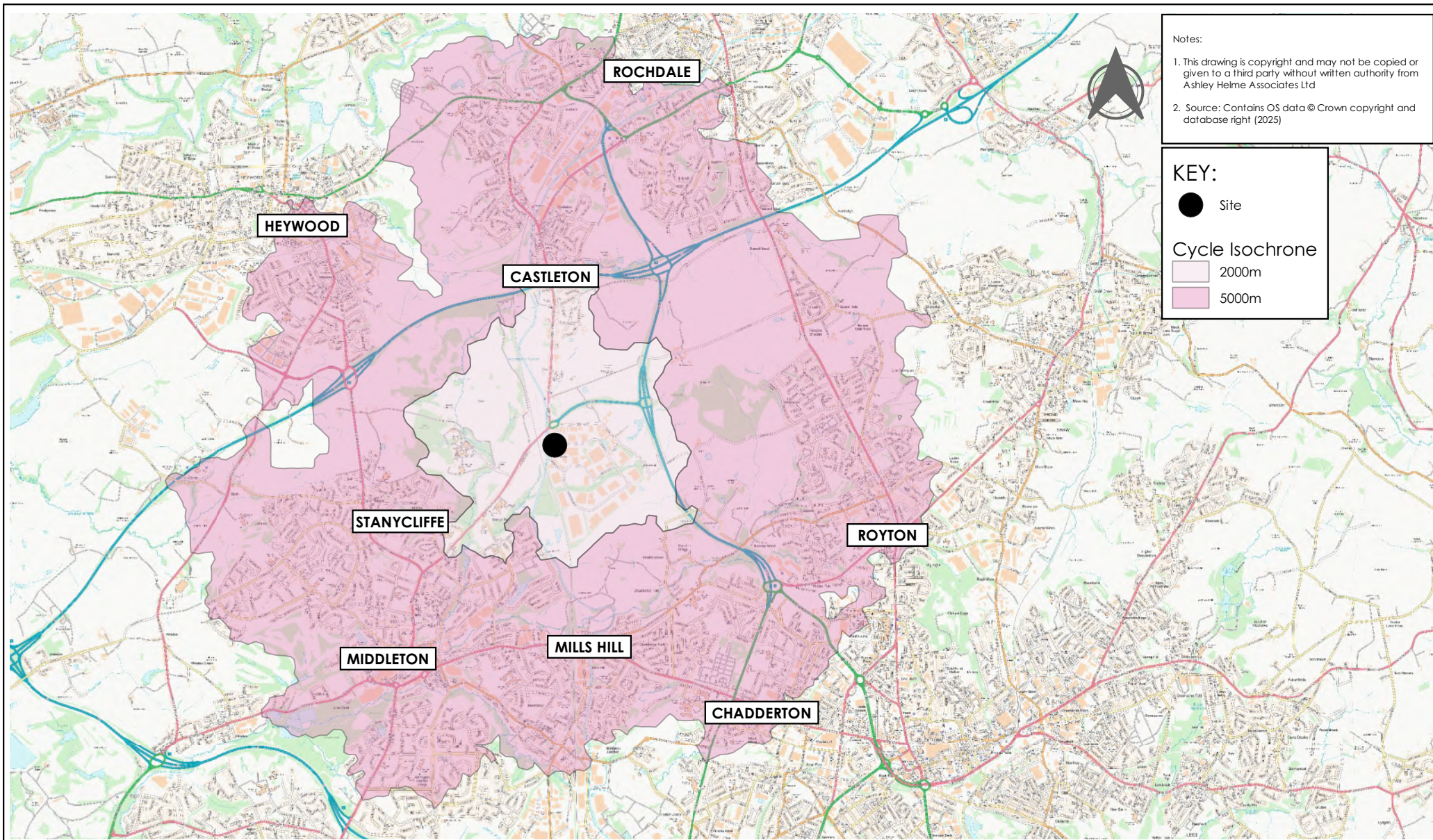
Project:	LINK HOUSE, STAKEHILL
Client:	CADENCE ARCHITECTURE LTD

Title:	WALK ISOCHRONES
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FIGURE 4.1	
Date:	Scale:
MARCH 2025	NTS



ASHLEY HELME
ASSOCIATES



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KEY:

● Site

Cycle Isochrone

2000m

5000m

Project:
LINK HOUSE, STAKEHILL

Client:
CADENCE ARCHITECTURE LTD

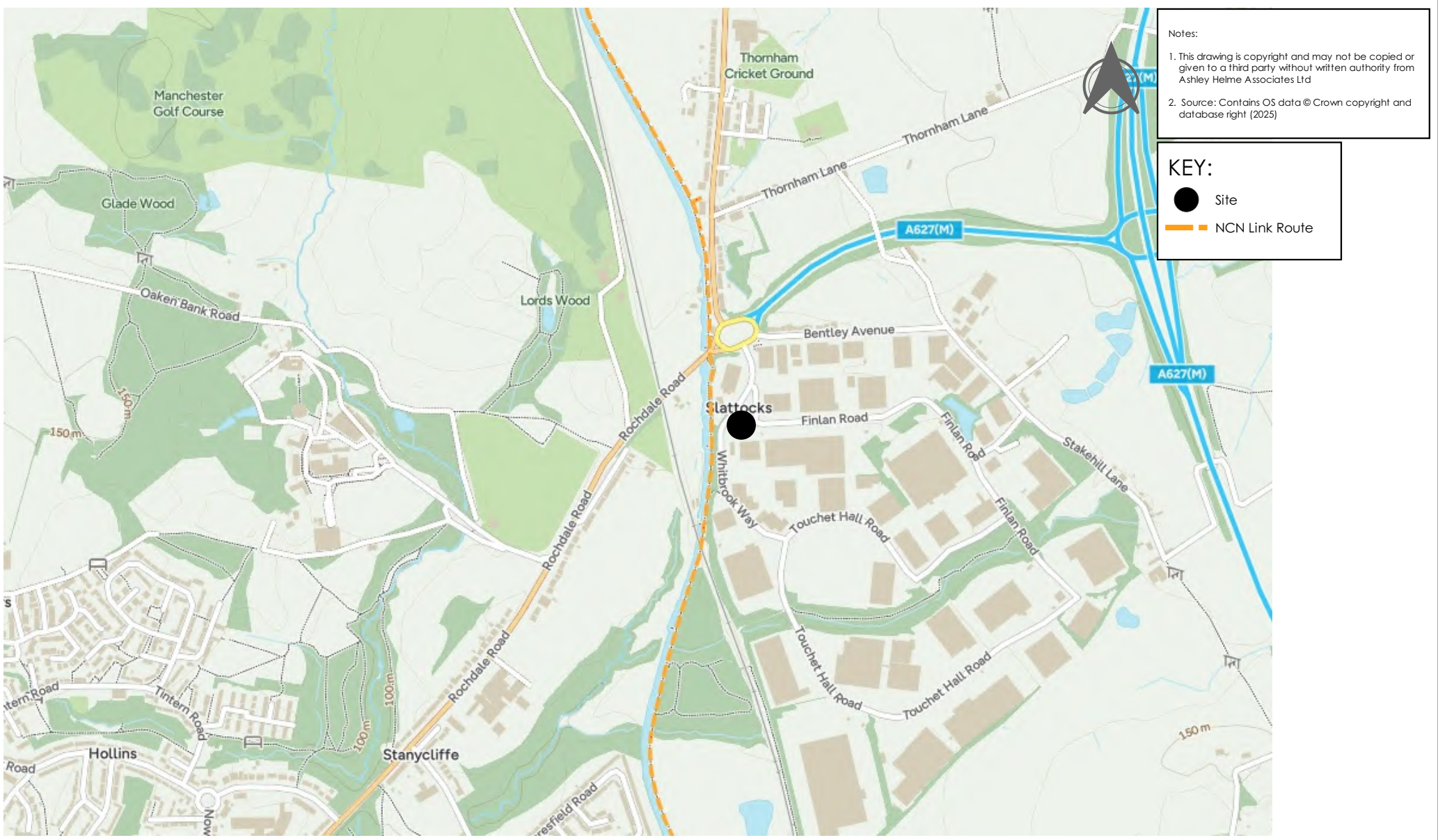
Title:
CYCLE ISOCHRONES

FIGURE 4.3

Date:
MARCH 2025

Scale:
NTS





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KEY:

- Site
- NCN Link Route

Project:
LINK HOUSE, STAKEHILL

Client:
CADENCE ARCHITECTURE LTD

Title:
CYCLE ROUTES

FIGURE 4.4

Date:
MARCH 2025

Scale:
NTS

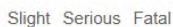


A CrashMap Data

Map

Satellite

Incident Severity



7 results found

^ Hide

Location: stakehill industrial estate

Years

5 of 25 years selected

Severity

Fatal
RISCO Group UK
Ltd - Trade Counter
Serious

Slight

Casualty Types:

All Casualty Types

Vehicles Involved:

All Vehicle Types

Search

Open Government Licence 

Calculation Reference: AUDIT-733101-250310-0351

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT
Category : A - OFFICE
MULTI-MODAL TOTAL VEHICLES

Selected regions and areas:

04	EAST ANGLIA	
	NF NORFOLK	1 days
06	WEST MIDLANDS	
	WK WARWICKSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	AK WAKEFIELD	1 days

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

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

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: 500 to 1230 (units: sqm)
 Range Selected by User: 178 to 1500 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/16 to 21/03/24

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:

Tuesday 1 days
 Wednesday 2 days

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

Selected survey types:

Manual count 3 days
 Directional ATC Count 0 days

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

Selected Locations:

Edge of Town 3

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 1
 Commercial Zone 1
 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 3 days - Selected
 Servicing vehicles Excluded 1 days - Selected

Secondary Filtering selection:

Use Class:

Not Known 3 days

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®.

Filter by Site Operations Breakdown:

All Surveys Included

Population within 500m Range:

All Surveys Included

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

Secondary Filtering selection (Cont.):

Population within 1 mile:

1,001 to 5,000	1 days
10,001 to 15,000	1 days
15,001 to 20,000	1 days

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

Population within 5 miles:

100,001 to 125,000	1 days
125,001 to 250,000	2 days

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

Car ownership within 5 miles:

0.6 to 1.0	3 days
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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	3 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	3 days
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This data displays the number of selected surveys with PTAL Ratings.

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

LIST OF SITES relevant to selection parameters

- | | | | | |
|---|---|--|--|---|
| 1 | AK-02-A-01
PIONEER WAY
CASTLEFORD
WHITWOOD
Edge of Town
No Sub Category
Total Gross floor area: 1230 sqm
Survey date: TUESDAY 23/05/17 | OFFICES

BUILDING CONSULTANT | WAKEFIELD

NORFOLK |

Survey Type: MANUAL |
| 2 | NF-02-A-04
WHITING ROAD
NORWICH

Edge of Town
Commercial Zone
Total Gross floor area: 500 sqm
Survey date: WEDNESDAY 13/11/19 | BUILDING CONSULTANT | NORFOLK |

Survey Type: MANUAL |
| 3 | WK-02-A-03
BUDBROOKE ROAD
WARWICK

Edge of Town
Industrial Zone
Total Gross floor area: 796 sqm
Survey date: WEDNESDAY 23/11/22 | ENGINEERING CONSULTANTS | WARWICKSHIRE |

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.

MANUALLY DESELECTED SITES

Site Ref	Reason for Deselection
GM-02-A-10	covid survey

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

MULTI-MODAL TOTAL VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Total People to Total Vehicles ratio (all time periods and directions): 1.44

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 - 00:30									
00:30 - 01:00									
01:00 - 01:30									
01:30 - 02:00									
02:00 - 02:30									
02:30 - 03:00									
03:00 - 03:30									
03:30 - 04:00									
04:00 - 04:30									
04:30 - 05:00									
05:00 - 05:30									
05:30 - 06:00									
06:00 - 06:30									
06:30 - 07:00									
07:00 - 07:30	3	842	0.317	3	842	0.040	3	842	0.357
07:30 - 08:00	3	842	1.069	3	842	0.000	3	842	1.069
08:00 - 08:30	3	842	1.623	3	842	0.079	3	842	1.702
08:30 - 09:00	3	842	0.990	3	842	0.158	3	842	1.148
09:00 - 09:30	3	842	0.752	3	842	0.198	3	842	0.950
09:30 - 10:00	3	842	0.119	3	842	0.079	3	842	0.198
10:00 - 10:30	3	842	0.198	3	842	0.079	3	842	0.277
10:30 - 11:00	3	842	0.238	3	842	0.000	3	842	0.238
11:00 - 11:30	3	842	0.079	3	842	0.158	3	842	0.237
11:30 - 12:00	3	842	0.158	3	842	0.317	3	842	0.475
12:00 - 12:30	3	842	0.356	3	842	0.435	3	842	0.791
12:30 - 13:00	3	842	0.317	3	842	0.752	3	842	1.069
13:00 - 13:30	3	842	0.396	3	842	0.119	3	842	0.515
13:30 - 14:00	3	842	0.435	3	842	0.198	3	842	0.633
14:00 - 14:30	3	842	0.040	3	842	0.040	3	842	0.080
14:30 - 15:00	3	842	0.158	3	842	0.158	3	842	0.316
15:00 - 15:30	3	842	0.277	3	842	0.238	3	842	0.515
15:30 - 16:00	3	842	0.040	3	842	0.356	3	842	0.396
16:00 - 16:30	3	842	0.040	3	842	0.396	3	842	0.436
16:30 - 17:00	3	842	0.238	3	842	1.821	3	842	2.059
17:00 - 17:30	3	842	0.000	3	842	1.029	3	842	1.029
17:30 - 18:00	3	842	0.000	3	842	0.911	3	842	0.911
18:00 - 18:30	2	648	0.077	2	648	0.694	2	648	0.771
18:30 - 19:00	2	648	0.000	2	648	0.000	2	648	0.000
19:00 - 19:30									
19:30 - 20:00									
20:00 - 20:30									
20:30 - 21:00									
21:00 - 21:30									
21:30 - 22:00									
22:00 - 22:30									
22:30 - 23:00									
23:00 - 23:30									
23:30 - 24:00									
Total Rates:			7.917			8.255			16.172

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:	500 - 1230 (units: sqm)
Survey date range:	01/01/16 - 21/03/24
Number of weekdays (Monday-Friday):	3
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	1

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.

Calculation Reference: AUDIT-733101-250310-0319

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 04 - EDUCATION
Category : B - SECONDARY

MULTI-MODAL TOTAL VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	ON LUTON	1 days
03	SOUTH WEST	
	DV DEVON	1 days
	WL WILTSHIRE	1 days
06	WEST MIDLANDS	
	WK WARWICKSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	1 days
09	NORTH	
	CU CUMBERLAND	1 days
	TV TEES VALLEY	1 days
10	WALES	
	PE PEMBROKESHIRE	1 days

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

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

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 pupils
 Actual Range: 800 to 1439 (units:)
 Range Selected by User: 520 to 1913 (units:)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/16 to 21/06/24

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:

Tuesday	2 days
Wednesday	3 days
Thursday	1 days
Friday	2 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 undertaken using machines.

Selected Locations:

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

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	1
Residential Zone	4
Retail Zone	1
Village	2

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

Inclusion of Servicing Vehicles Counts:

Servicing vehicles Included	8 days - Selected
Servicing vehicles Excluded	X days - Selected

Secondary Filtering selection:

Use Class:

F1(a)	8 days
-------	--------

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

Secondary Filtering selection (Cont.):

Population within 1 mile:

1,001 to 5,000	2 days
10,001 to 15,000	1 days
15,001 to 20,000	2 days
20,001 to 25,000	3 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	2 days
75,001 to 100,000	1 days
100,001 to 125,000	1 days
125,001 to 250,000	2 days
250,001 to 500,000	1 days

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

Car ownership within 5 miles:

0.6 to 1.0	4 days
1.1 to 1.5	4 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	3 days
No	5 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	8 days
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This data displays the number of selected surveys with PTAL Ratings.

LIST OF SITES relevant to selection parameters

1	CU-04-B-04 WIGTON ROAD CARLISLE	SECONDARY SCHOOL	CUMBERLAND
	Edge of Town Residential Zone Total Number of pupils: 894 Survey date: FRIDAY 21/06/24		Survey Type: MANUAL
2	DV-04-B-04 EARL RICHARD ' SRD SOUTH EXETER	SECONDARY ACADEMY	DEVON
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of pupils: 835 Survey date: TUESDAY 02/04/19		Survey Type: MANUAL
3	NY-04-B-03 GARGRAVE ROAD SKIPTON	GIRLS' HIGH SCHOOL	NORTH YORKSHIRE
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of pupils: 800 Survey date: FRIDAY 08/03/19		Survey Type: MANUAL
4	ON-04-B-01 GIPSY LANE LUTON	SECONDARY ACADEMY	LUTON
	Edge of Town Retail Zone Total Number of pupils: 1160 Survey date: THURSDAY 09/11/23		Survey Type: MANUAL
5	PE-04-B-01 WITHYBUSH ROAD HAVERFORDWEST	SECONDARY SCHOOL	PEMBROKESHIRE
	Edge of Town Industrial Zone Total Number of pupils: 858 Survey date: WEDNESDAY 22/11/23		Survey Type: MANUAL
6	TV-04-B-02 THAMES ROAD BILLINGHAM	SECONDARY SCHOOL	TEES VALLEY
	Edge of Town Residential Zone Total Number of pupils: 1439 Survey date: TUESDAY 24/05/22		Survey Type: MANUAL
7	WK-04-B-01 BANBURY ROAD KINETON	SECONDARY SCHOOL	WARWICKSHIRE
	Neighbourhood Centre (PPS6 Local Centre) Village Total Number of pupils: 839 Survey date: WEDNESDAY 25/09/19		Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

8	WL-04-B-01	SECONDARY SCHOOL	WILTSHIRE
	STANLEY LANE		
	NEAR CHIPPENHAM		
	PEWSHAM		
	Neighbourhood Centre (PPS6 Local Centre)		
	Village		
	Total Number of pupils:	883	
	Survey date: WEDNESDAY	10/05/23	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 04 - EDUCATION/B - SECONDARY
MULTI-MODAL TOTAL VEHICLES
 Calculation factor: 1 PUPILS
 BOLD print indicates peak (busiest) period
 Total People to Total Vehicles ratio (all time periods and directions): 2.47

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	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	964	0.055	8	964	0.013	8	964	0.068
08:00 - 09:00	8	964	0.223	8	964	0.181	8	964	0.404
09:00 - 10:00	8	964	0.024	8	964	0.026	8	964	0.050
10:00 - 11:00	8	964	0.016	8	964	0.014	8	964	0.030
11:00 - 12:00	8	964	0.016	8	964	0.017	8	964	0.033
12:00 - 13:00	8	964	0.016	8	964	0.020	8	964	0.036
13:00 - 14:00	8	964	0.017	8	964	0.016	8	964	0.033
14:00 - 15:00	8	964	0.049	8	964	0.028	8	964	0.077
15:00 - 16:00	8	964	0.086	8	964	0.141	8	964	0.227
16:00 - 17:00	8	964	0.064	8	964	0.090	8	964	0.154
17:00 - 18:00	8	964	0.042	8	964	0.035	8	964	0.077
18:00 - 19:00	8	964	0.042	8	964	0.030	8	964	0.072
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.650			0.611			1.261

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:	800 - 1439 (units:)
Survey date date range:	01/01/16 - 21/06/24
Number of weekdays (Monday-Friday):	8
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.

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

TRIP RATE for Land Use 04 - EDUCATION/B - SECONDARY

MULTI-MODAL TAXIS

Calculation factor: 1 PUPILS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	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	964	0.001	8	964	0.001	8	964	0.002
08:00 - 09:00	8	964	0.005	8	964	0.005	8	964	0.010
09:00 - 10:00	8	964	0.000	8	964	0.000	8	964	0.000
10:00 - 11:00	8	964	0.000	8	964	0.000	8	964	0.000
11:00 - 12:00	8	964	0.000	8	964	0.000	8	964	0.000
12:00 - 13:00	8	964	0.000	8	964	0.000	8	964	0.000
13:00 - 14:00	8	964	0.000	8	964	0.000	8	964	0.000
14:00 - 15:00	8	964	0.001	8	964	0.000	8	964	0.001
15:00 - 16:00	8	964	0.002	8	964	0.003	8	964	0.005
16:00 - 17:00	8	964	0.001	8	964	0.001	8	964	0.002
17:00 - 18:00	8	964	0.000	8	964	0.000	8	964	0.000
18:00 - 19:00	8	964	0.000	8	964	0.000	8	964	0.000
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.010			0.010			0.020

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.

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

TRIP RATE for Land Use 04 - EDUCATION/B - SECONDARY

MULTI-MODAL OGVS

Calculation factor: 1 PUPILS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	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	964	0.000	8	964	0.000	8	964	0.000
08:00 - 09:00	8	964	0.001	8	964	0.001	8	964	0.002
09:00 - 10:00	8	964	0.000	8	964	0.000	8	964	0.000
10:00 - 11:00	8	964	0.000	8	964	0.000	8	964	0.000
11:00 - 12:00	8	964	0.001	8	964	0.001	8	964	0.002
12:00 - 13:00	8	964	0.000	8	964	0.001	8	964	0.001
13:00 - 14:00	8	964	0.000	8	964	0.001	8	964	0.001
14:00 - 15:00	8	964	0.000	8	964	0.000	8	964	0.000
15:00 - 16:00	8	964	0.000	8	964	0.000	8	964	0.000
16:00 - 17:00	8	964	0.000	8	964	0.000	8	964	0.000
17:00 - 18:00	8	964	0.000	8	964	0.000	8	964	0.000
18:00 - 19:00	8	964	0.000	8	964	0.000	8	964	0.000
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.002			0.004			0.006

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.

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

TRIP RATE for Land Use 04 - EDUCATION/B - SECONDARY

MULTI-MODAL PSVS

Calculation factor: 1 PUPILS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	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	964	0.000	8	964	0.001	8	964	0.001
08:00 - 09:00	8	964	0.005	8	964	0.003	8	964	0.008
09:00 - 10:00	8	964	0.000	8	964	0.001	8	964	0.001
10:00 - 11:00	8	964	0.000	8	964	0.000	8	964	0.000
11:00 - 12:00	8	964	0.000	8	964	0.000	8	964	0.000
12:00 - 13:00	8	964	0.001	8	964	0.000	8	964	0.001
13:00 - 14:00	8	964	0.000	8	964	0.000	8	964	0.000
14:00 - 15:00	8	964	0.002	8	964	0.002	8	964	0.004
15:00 - 16:00	8	964	0.001	8	964	0.003	8	964	0.004
16:00 - 17:00	8	964	0.000	8	964	0.000	8	964	0.000
17:00 - 18:00	8	964	0.000	8	964	0.000	8	964	0.000
18:00 - 19:00	8	964	0.000	8	964	0.000	8	964	0.000
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.009			0.010			0.019

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.

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

TRIP RATE for Land Use 04 - EDUCATION/B - SECONDARY

MULTI-MODAL CYCLISTS

Calculation factor: 1 PUPILS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	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	964	0.002	8	964	0.000	8	964	0.002
08:00 - 09:00	8	964	0.024	8	964	0.001	8	964	0.025
09:00 - 10:00	8	964	0.001	8	964	0.000	8	964	0.001
10:00 - 11:00	8	964	0.001	8	964	0.000	8	964	0.001
11:00 - 12:00	8	964	0.000	8	964	0.000	8	964	0.000
12:00 - 13:00	8	964	0.000	8	964	0.001	8	964	0.001
13:00 - 14:00	8	964	0.000	8	964	0.000	8	964	0.000
14:00 - 15:00	8	964	0.000	8	964	0.001	8	964	0.001
15:00 - 16:00	8	964	0.001	8	964	0.019	8	964	0.020
16:00 - 17:00	8	964	0.001	8	964	0.008	8	964	0.009
17:00 - 18:00	8	964	0.001	8	964	0.001	8	964	0.002
18:00 - 19:00	8	964	0.002	8	964	0.001	8	964	0.003
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.033			0.032			0.065

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.

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

TRIP RATE for Land Use 04 - EDUCATION/B - SECONDARY

MULTI-MODAL VEHICLE OCCUPANTS

Calculation factor: 1 PUPILS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	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	964	0.079	8	964	0.009	8	964	0.088
08:00 - 09:00	8	964	0.421	8	964	0.150	8	964	0.571
09:00 - 10:00	8	964	0.034	8	964	0.028	8	964	0.062
10:00 - 11:00	8	964	0.020	8	964	0.017	8	964	0.037
11:00 - 12:00	8	964	0.020	8	964	0.025	8	964	0.045
12:00 - 13:00	8	964	0.023	8	964	0.027	8	964	0.050
13:00 - 14:00	8	964	0.021	8	964	0.020	8	964	0.041
14:00 - 15:00	8	964	0.055	8	964	0.053	8	964	0.108
15:00 - 16:00	8	964	0.065	8	964	0.269	8	964	0.334
16:00 - 17:00	8	964	0.058	8	964	0.134	8	964	0.192
17:00 - 18:00	8	964	0.076	8	964	0.053	8	964	0.129
18:00 - 19:00	8	964	0.089	8	964	0.050	8	964	0.139
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.961			0.835			1.796

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.

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

TRIP RATE for Land Use 04 - EDUCATION/B - SECONDARY

MULTI-MODAL PEDESTRIANS

Calculation factor: 1 PUPILS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	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	964	0.012	8	964	0.001	8	964	0.013
08:00 - 09:00	8	964	0.278	8	964	0.007	8	964	0.285
09:00 - 10:00	8	964	0.008	8	964	0.002	8	964	0.010
10:00 - 11:00	8	964	0.005	8	964	0.002	8	964	0.007
11:00 - 12:00	8	964	0.004	8	964	0.004	8	964	0.008
12:00 - 13:00	8	964	0.007	8	964	0.010	8	964	0.017
13:00 - 14:00	8	964	0.010	8	964	0.009	8	964	0.019
14:00 - 15:00	8	964	0.006	8	964	0.020	8	964	0.026
15:00 - 16:00	8	964	0.007	8	964	0.276	8	964	0.283
16:00 - 17:00	8	964	0.007	8	964	0.035	8	964	0.042
17:00 - 18:00	8	964	0.006	8	964	0.005	8	964	0.011
18:00 - 19:00	8	964	0.005	8	964	0.004	8	964	0.009
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.355			0.375			0.730

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.

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

TRIP RATE for Land Use 04 - EDUCATION/B - SECONDARY

MULTI-MODAL BUS/TRAM PASSENGERS

Calculation factor: 1 PUPILS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	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	964	0.002	8	964	0.000	8	964	0.002
08:00 - 09:00	8	964	0.104	8	964	0.002	8	964	0.106
09:00 - 10:00	8	964	0.001	8	964	0.001	8	964	0.002
10:00 - 11:00	8	964	0.000	8	964	0.001	8	964	0.001
11:00 - 12:00	8	964	0.001	8	964	0.000	8	964	0.001
12:00 - 13:00	8	964	0.001	8	964	0.000	8	964	0.001
13:00 - 14:00	8	964	0.001	8	964	0.003	8	964	0.004
14:00 - 15:00	8	964	0.000	8	964	0.003	8	964	0.003
15:00 - 16:00	8	964	0.002	8	964	0.098	8	964	0.100
16:00 - 17:00	8	964	0.001	8	964	0.007	8	964	0.008
17:00 - 18:00	8	964	0.000	8	964	0.001	8	964	0.001
18:00 - 19:00	8	964	0.000	8	964	0.001	8	964	0.001
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.113			0.117			0.230

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.

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

TRIP RATE for Land Use 04 - EDUCATION/B - SECONDARY

MULTI-MODAL TOTAL RAIL PASSENGERS

Calculation factor: 1 PUPILS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	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	964	0.001	8	964	0.000	8	964	0.001
08:00 - 09:00	8	964	0.024	8	964	0.000	8	964	0.024
09:00 - 10:00	8	964	0.000	8	964	0.000	8	964	0.000
10:00 - 11:00	8	964	0.000	8	964	0.000	8	964	0.000
11:00 - 12:00	8	964	0.000	8	964	0.000	8	964	0.000
12:00 - 13:00	8	964	0.000	8	964	0.000	8	964	0.000
13:00 - 14:00	8	964	0.000	8	964	0.000	8	964	0.000
14:00 - 15:00	8	964	0.000	8	964	0.000	8	964	0.000
15:00 - 16:00	8	964	0.000	8	964	0.019	8	964	0.019
16:00 - 17:00	8	964	0.000	8	964	0.006	8	964	0.006
17:00 - 18:00	8	964	0.000	8	964	0.001	8	964	0.001
18:00 - 19:00	8	964	0.000	8	964	0.000	8	964	0.000
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.025			0.026			0.051

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.

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

TRIP RATE for Land Use 04 - EDUCATION/B - SECONDARY

MULTI-MODAL COACH PASSENGERS

Calculation factor: 1 PUPILS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	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	964	0.000	8	964	0.000	8	964	0.000
08:00 - 09:00	8	964	0.111	8	964	0.000	8	964	0.111
09:00 - 10:00	8	964	0.004	8	964	0.000	8	964	0.004
10:00 - 11:00	8	964	0.000	8	964	0.000	8	964	0.000
11:00 - 12:00	8	964	0.003	8	964	0.000	8	964	0.003
12:00 - 13:00	8	964	0.002	8	964	0.003	8	964	0.005
13:00 - 14:00	8	964	0.000	8	964	0.000	8	964	0.000
14:00 - 15:00	8	964	0.000	8	964	0.018	8	964	0.018
15:00 - 16:00	8	964	0.000	8	964	0.097	8	964	0.097
16:00 - 17:00	8	964	0.000	8	964	0.000	8	964	0.000
17:00 - 18:00	8	964	0.000	8	964	0.000	8	964	0.000
18:00 - 19:00	8	964	0.001	8	964	0.000	8	964	0.001
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.121			0.118			0.239

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.

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

TRIP RATE for Land Use 04 - EDUCATION/B - SECONDARY
 MULTI-MODAL PUBLIC TRANSPORT USERS
 Calculation factor: 1 PUPILS
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	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	964	0.003	8	964	0.000	8	964	0.003
08:00 - 09:00	8	964	0.239	8	964	0.002	8	964	0.241
09:00 - 10:00	8	964	0.005	8	964	0.001	8	964	0.006
10:00 - 11:00	8	964	0.001	8	964	0.001	8	964	0.002
11:00 - 12:00	8	964	0.004	8	964	0.000	8	964	0.004
12:00 - 13:00	8	964	0.003	8	964	0.004	8	964	0.007
13:00 - 14:00	8	964	0.001	8	964	0.003	8	964	0.004
14:00 - 15:00	8	964	0.000	8	964	0.021	8	964	0.021
15:00 - 16:00	8	964	0.003	8	964	0.214	8	964	0.217
16:00 - 17:00	8	964	0.001	8	964	0.013	8	964	0.014
17:00 - 18:00	8	964	0.000	8	964	0.002	8	964	0.002
18:00 - 19:00	8	964	0.001	8	964	0.002	8	964	0.003
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.261			0.263			0.524

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.

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

TRIP RATE for Land Use 04 - EDUCATION/B - SECONDARY

MULTI-MODAL TOTAL PEOPLE

Calculation factor: 1 PUPILS

BOLD print indicates peak (busiest) period

Total People to Total Vehicles ratio (all time periods and directions): 2.47

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	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	964	0.097	8	964	0.010	8	964	0.107
08:00 - 09:00	8	964	0.962	8	964	0.159	8	964	1.121
09:00 - 10:00	8	964	0.049	8	964	0.030	8	964	0.079
10:00 - 11:00	8	964	0.026	8	964	0.020	8	964	0.046
11:00 - 12:00	8	964	0.028	8	964	0.030	8	964	0.058
12:00 - 13:00	8	964	0.032	8	964	0.041	8	964	0.073
13:00 - 14:00	8	964	0.032	8	964	0.032	8	964	0.064
14:00 - 15:00	8	964	0.061	8	964	0.095	8	964	0.156
15:00 - 16:00	8	964	0.076	8	964	0.778	8	964	0.854
16:00 - 17:00	8	964	0.067	8	964	0.190	8	964	0.257
17:00 - 18:00	8	964	0.084	8	964	0.060	8	964	0.144
18:00 - 19:00	8	964	0.097	8	964	0.057	8	964	0.154
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.611			1.502			3.113

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.

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

TRIP RATE for Land Use 04 - EDUCATION/B - SECONDARY

MULTI-MODAL CARS

Calculation factor: 1 PUPILS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	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	964	0.053	8	964	0.011	8	964	0.064
08:00 - 09:00	8	964	0.208	8	964	0.169	8	964	0.377
09:00 - 10:00	8	964	0.022	8	964	0.023	8	964	0.045
10:00 - 11:00	8	964	0.014	8	964	0.012	8	964	0.026
11:00 - 12:00	8	964	0.014	8	964	0.015	8	964	0.029
12:00 - 13:00	8	964	0.013	8	964	0.017	8	964	0.030
13:00 - 14:00	8	964	0.015	8	964	0.014	8	964	0.029
14:00 - 15:00	8	964	0.043	8	964	0.024	8	964	0.067
15:00 - 16:00	8	964	0.081	8	964	0.132	8	964	0.213
16:00 - 17:00	8	964	0.062	8	964	0.087	8	964	0.149
17:00 - 18:00	8	964	0.039	8	964	0.033	8	964	0.072
18:00 - 19:00	8	964	0.040	8	964	0.029	8	964	0.069
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.604			0.566			1.170

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.

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

TRIP RATE for Land Use 04 - EDUCATION/B - SECONDARY

MULTI-MODAL LGVS

Calculation factor: 1 PUPILS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	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	964	0.001	8	964	0.001	8	964	0.002
08:00 - 09:00	8	964	0.004	8	964	0.004	8	964	0.008
09:00 - 10:00	8	964	0.001	8	964	0.002	8	964	0.003
10:00 - 11:00	8	964	0.002	8	964	0.002	8	964	0.004
11:00 - 12:00	8	964	0.001	8	964	0.001	8	964	0.002
12:00 - 13:00	8	964	0.002	8	964	0.002	8	964	0.004
13:00 - 14:00	8	964	0.002	8	964	0.002	8	964	0.004
14:00 - 15:00	8	964	0.002	8	964	0.002	8	964	0.004
15:00 - 16:00	8	964	0.001	8	964	0.002	8	964	0.003
16:00 - 17:00	8	964	0.002	8	964	0.001	8	964	0.003
17:00 - 18:00	8	964	0.002	8	964	0.002	8	964	0.004
18:00 - 19:00	8	964	0.002	8	964	0.001	8	964	0.003
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.022			0.022			0.044

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.

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

TRIP RATE for Land Use 04 - EDUCATION/B - SECONDARY

MULTI-MODAL MOTOR CYCLES

Calculation factor: 1 PUPILS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	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	964	0.000	8	964	0.000	8	964	0.000
08:00 - 09:00	8	964	0.000	8	964	0.000	8	964	0.000
09:00 - 10:00	8	964	0.000	8	964	0.000	8	964	0.000
10:00 - 11:00	8	964	0.000	8	964	0.000	8	964	0.000
11:00 - 12:00	8	964	0.000	8	964	0.000	8	964	0.000
12:00 - 13:00	8	964	0.000	8	964	0.000	8	964	0.000
13:00 - 14:00	8	964	0.000	8	964	0.000	8	964	0.000
14:00 - 15:00	8	964	0.000	8	964	0.000	8	964	0.000
15:00 - 16:00	8	964	0.000	8	964	0.000	8	964	0.000
16:00 - 17:00	8	964	0.000	8	964	0.000	8	964	0.000
17:00 - 18:00	8	964	0.000	8	964	0.000	8	964	0.000
18:00 - 19:00	8	964	0.000	8	964	0.000	8	964	0.000
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.000			0.000			0.000

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.

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

TRIP RATE for Land Use 04 - EDUCATION/B - SECONDARY
 MULTI-MODAL Servicing Vehicles
 Calculation factor: 1 PUPILS
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	Trip Rate	No. Days	Ave. PUPILS	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	964	0.001	8	964	0.000	8	964	0.001
08:00 - 09:00	8	964	0.001	8	964	0.001	8	964	0.002
09:00 - 10:00	8	964	0.001	8	964	0.001	8	964	0.002
10:00 - 11:00	8	964	0.001	8	964	0.001	8	964	0.002
11:00 - 12:00	8	964	0.001	8	964	0.001	8	964	0.002
12:00 - 13:00	8	964	0.001	8	964	0.001	8	964	0.002
13:00 - 14:00	8	964	0.001	8	964	0.002	8	964	0.003
14:00 - 15:00	8	964	0.001	8	964	0.001	8	964	0.002
15:00 - 16:00	8	964	0.000	8	964	0.000	8	964	0.000
16:00 - 17:00	8	964	0.001	8	964	0.000	8	964	0.001
17:00 - 18:00	8	964	0.001	8	964	0.001	8	964	0.002
18:00 - 19:00	8	964	0.000	8	964	0.000	8	964	0.000
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.010			0.009			0.019

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.

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TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 04 - EDUCATION
Category : B - SECONDARY
MULTI-MODAL TOTAL VEHICLES

<u>Selected regions and areas:</u>		
02	SOUTH EAST	
	ON LUTON	1 days
03	SOUTH WEST	
	DV DEVON	1 days
	WL WILTSHIRE	1 days
06	WEST MIDLANDS	
	WK WARWICKSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	1 days
09	NORTH	
	CU CUMBERLAND	1 days
	TV TEES VALLEY	1 days
10	WALES	
	PE PEMBROKESHIRE	1 days

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

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

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 pupils
 Actual Range: 800 to 1439 (units:)
 Range Selected by User: 520 to 1913 (units:)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/16 to 21/06/24

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:

Tuesday	2 days
Wednesday	3 days
Thursday	1 days
Friday	2 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 undertaken using machines.

Selected Locations:

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

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	1
Residential Zone	4
Retail Zone	1
Village	2

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

Inclusion of Servicing Vehicles Counts:

Servicing vehicles Included	8 days - Selected
Servicing vehicles Excluded	X days - Selected

Secondary Filtering selection:**Use Class:**

F1(a)	8 days
-------	--------

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

Secondary Filtering selection (Cont.):

Population within 1 mile:

1,001 to 5,000	2 days
10,001 to 15,000	1 days
15,001 to 20,000	2 days
20,001 to 25,000	3 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	2 days
75,001 to 100,000	1 days
100,001 to 125,000	1 days
125,001 to 250,000	2 days
250,001 to 500,000	1 days

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

Car ownership within 5 miles:

0.6 to 1.0	4 days
1.1 to 1.5	4 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	3 days
No	5 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	8 days
-----------------	--------

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

LIST OF SITES relevant to selection parameters

1	CU-04-B-04 WIGTON ROAD CARLISLE	SECONDARY SCHOOL	CUMBERLAND
	Edge of Town Residential Zone Total Number of pupils: 894 Survey date: FRIDAY 21/06/24		Survey Type: MANUAL
2	DV-04-B-04 EARL RICHARD ' SRD SOUTH EXETER	SECONDARY ACADEMY	DEVON
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of pupils: 835 Survey date: TUESDAY 02/04/19		Survey Type: MANUAL
3	NY-04-B-03 GARGRAVE ROAD SKIPTON	GIRLS' HIGH SCHOOL	NORTH YORKSHIRE
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of pupils: 800 Survey date: FRIDAY 08/03/19		Survey Type: MANUAL
4	ON-04-B-01 GIPSY LANE LUTON	SECONDARY ACADEMY	LUTON
	Edge of Town Retail Zone Total Number of pupils: 1160 Survey date: THURSDAY 09/11/23		Survey Type: MANUAL
5	PE-04-B-01 WITHYBUSH ROAD HAVERFORDWEST	SECONDARY SCHOOL	PEMBROKESHIRE
	Edge of Town Industrial Zone Total Number of pupils: 858 Survey date: WEDNESDAY 22/11/23		Survey Type: MANUAL
6	TV-04-B-02 THAMES ROAD BILLINGHAM	SECONDARY SCHOOL	TEES VALLEY
	Edge of Town Residential Zone Total Number of pupils: 1439 Survey date: TUESDAY 24/05/22		Survey Type: MANUAL
7	WK-04-B-01 BANBURY ROAD KINETON	SECONDARY SCHOOL	WARWICKSHIRE
	Neighbourhood Centre (PPS6 Local Centre) Village Total Number of pupils: 839 Survey date: WEDNESDAY 25/09/19		Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

8	WL-04-B-01	SECONDARY SCHOOL	WILTSHIRE
	STANLEY LANE		
	NEAR CHIPPENHAM		
	PEWSHAM		
	Neighbourhood Centre (PPS6 Local Centre)		
	Village		
	Total Number of pupils:	883	
	Survey date: WEDNESDAY	10/05/23	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.

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

RANK ORDER for Land Use 04 - EDUCATION/B - SECONDARY
MULTI-MODAL TOTAL VEHICLES

Ranking Type: TOTALS Time Range: 08:00-09:00 CALCULATION FACTOR 1 PUPILS

WARNING: Using 85th and 15th percentile highlighted trip rates in data sets of under
20 surveys is not recommended by TRICS and may be misleading.

15th Percentile = No. 7 WK-04-B-01 Tot: 0.220
85th Percentile = No. 2 PE-04-B-01 Tot: 0.575

Median Values		Mean Values	
Arrivals:	0.206	Arrivals:	0.219
Departures:	0.208	Departures:	0.175
Totals:	0.414	Totals:	0.394

Rank	Site-Ref	Description	Town/City	Area	PUPILS	Day	Date	Trip Rate (Sorted by Totals)		
								Arrivals	Departures	Totals
1	WL-04-B-01	SECONDARY SCHO	NEAR CHIPPENHAM	WILTSHIRE	883	Wed	10/05/23	0.349	0.270	0.619
2	PE-04-B-01	SECONDARY SCHO	HAVERFORDWEST	PEMBROKESHIRE	858	Wed	22/11/23	0.368	0.207	0.575
3	TV-04-B-02	SECONDARY SCHO	BILLINGHAM	TEES VALLEY	1439	Tue	24/05/22	0.270	0.224	0.494
4	ON-04-B-01	SECONDARY ACAD	LUTON	LUTON	1160	Thu	09/11/23	0.209	0.230	0.439
5	NY-04-B-03	GIRLS' HIGH SC	SKIPTON	NORTH YORKSHIRE	800	Fri	08/03/19	0.204	0.185	0.389
6	DV-04-B-04	SECONDARY ACAD	EXETER	DEVON	835	Tue	02/04/19	0.128	0.131	0.259
7	WK-04-B-01	SECONDARY SCHO	KINETON	WARWICKSHIRE	839	Wed	25/09/19	0.131	0.089	0.220
8	CU-04-B-04	SECONDARY SCHO	CARLISLE	CUMBERLAND	894	Fri	21/06/24	0.095	0.065	0.160

This section displays actual (not average) trip rates for each of the survey days in the selected set, and ranks them in order of relative trip rate intensity, for a given time period (or peak period irrespective of time) selected by the user. The count type and direction are both displayed just above the table, along with the rows within the table representing the 85th and 15th percentile trip rate figures (highlighted in bold within the table itself).

The table itself displays details of each individual survey, alongside arrivals, departures and totals trip rates, sorted by whichever of the three directional options has been chosen by the user. As with the preceeding trip rate calculation results table, the trip rates shown are per the calculation factor (e.g. per 100m2 GFA, per employee, per hectare, etc). Note that if the peak period option has been selected (as opposed to a specific chosen time period), the peak period for each individual survey day in the table is also displayed.

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 04 - EDUCATION
Category : B - SECONDARY
MULTI-MODAL TOTAL VEHICLES

<u>Selected regions and areas:</u>		
02	SOUTH EAST	
	ON LUTON	1 days
03	SOUTH WEST	
	DV DEVON	1 days
	WL WILTSHIRE	1 days
06	WEST MIDLANDS	
	WK WARWICKSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	1 days
09	NORTH	
	CU CUMBERLAND	1 days
	TV TEES VALLEY	1 days
10	WALES	
	PE PEMBROKESHIRE	1 days

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

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

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 pupils
 Actual Range: 800 to 1439 (units:)
 Range Selected by User: 520 to 1913 (units:)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/16 to 21/06/24

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:

Tuesday	2 days
Wednesday	3 days
Thursday	1 days
Friday	2 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 undertaken using machines.

Selected Locations:

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

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	1
Residential Zone	4
Retail Zone	1
Village	2

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

Inclusion of Servicing Vehicles Counts:

Servicing vehicles Included	8 days - Selected
Servicing vehicles Excluded	X days - Selected

Secondary Filtering selection:**Use Class:**

F1(a)	8 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

Secondary Filtering selection (Cont.):

Population within 1 mile:

1,001 to 5,000	2 days
10,001 to 15,000	1 days
15,001 to 20,000	2 days
20,001 to 25,000	3 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	2 days
75,001 to 100,000	1 days
100,001 to 125,000	1 days
125,001 to 250,000	2 days
250,001 to 500,000	1 days

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

Car ownership within 5 miles:

0.6 to 1.0	4 days
1.1 to 1.5	4 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	3 days
No	5 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	8 days
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This data displays the number of selected surveys with PTAL Ratings.

LIST OF SITES relevant to selection parameters

1	CU-04-B-04 WIGTON ROAD CARLISLE	SECONDARY SCHOOL	CUMBERLAND
	Edge of Town Residential Zone Total Number of pupils: 894 Survey date: FRIDAY 21/06/24		Survey Type: MANUAL
2	DV-04-B-04 EARL RICHARD ' SRD SOUTH EXETER	SECONDARY ACADEMY	DEVON
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of pupils: 835 Survey date: TUESDAY 02/04/19		Survey Type: MANUAL
3	NY-04-B-03 GARGRAVE ROAD SKIPTON	GIRLS' HIGH SCHOOL	NORTH YORKSHIRE
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of pupils: 800 Survey date: FRIDAY 08/03/19		Survey Type: MANUAL
4	ON-04-B-01 GIPSY LANE LUTON	SECONDARY ACADEMY	LUTON
	Edge of Town Retail Zone Total Number of pupils: 1160 Survey date: THURSDAY 09/11/23		Survey Type: MANUAL
5	PE-04-B-01 WITHYBUSH ROAD HAVERFORDWEST	SECONDARY SCHOOL	PEMBROKESHIRE
	Edge of Town Industrial Zone Total Number of pupils: 858 Survey date: WEDNESDAY 22/11/23		Survey Type: MANUAL
6	TV-04-B-02 THAMES ROAD BILLINGHAM	SECONDARY SCHOOL	TEES VALLEY
	Edge of Town Residential Zone Total Number of pupils: 1439 Survey date: TUESDAY 24/05/22		Survey Type: MANUAL
7	WK-04-B-01 BANBURY ROAD KINETON	SECONDARY SCHOOL	WARWICKSHIRE
	Neighbourhood Centre (PPS6 Local Centre) Village Total Number of pupils: 839 Survey date: WEDNESDAY 25/09/19		Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

8	WL-04-B-01 STANLEY LANE NEAR CHIPPENHAM PEWSHAM Neighbourhood Centre (PPS6 Local Centre) Village Total Number of pupils: 883 Survey date: WEDNESDAY 10/05/23	SECONDARY SCHOOL WILTSHIRE	Survey Type: MANUAL
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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.

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

RANK ORDER for Land Use 04 - EDUCATION/B - SECONDARY
MULTI-MODAL TOTAL VEHICLES

Ranking Type: TOTALS Time Range: 15:00-16:00 CALCULATION FACTOR 1 PUPILS

WARNING: Using 85th and 15th percentile highlighted trip rates in data sets of under
20 surveys is not recommended by TRICS and may be misleading.

15th Percentile = No. 7 CU-04-B-04 Tot: 0.136
85th Percentile = No. 2 TV-04-B-02 Tot: 0.297

Median Values		Mean Values	
Arrivals:	0.065	Arrivals:	0.080
Departures:	0.127	Departures:	0.136
Totals:	0.192	Totals:	0.216

Rank	Site-Ref	Description	Town/City	Area	PUPILS	Day	Date	Trip Rate (Sorted by Totals)		
								Arrivals	Departures	Totals
1	PE-04-B-01	SECONDARY SCHO	HAVERFORDWEST	PEMBROKESHIRE	858	Wed	22/11/23	0.143	0.281	0.424
2	TV-04-B-02	SECONDARY SCHO	BILLINGHAM	TEES VALLEY	1439	Tue	24/05/22	0.122	0.175	0.297
3	ON-04-B-01	SECONDARY ACAD	LUTON	LUTON	1160	Thu	09/11/23	0.132	0.154	0.286
4	WL-04-B-01	SECONDARY SCHO	NEAR CHIPPENHAM	WILTSHIRE	883	Wed	10/05/23	0.080	0.161	0.241
5	DV-04-B-04	SECONDARY ACAD	EXETER	DEVON	835	Tue	02/04/19	0.050	0.092	0.142
6	NY-04-B-03	GIRLS' HIGH SC	SKIPTON	NORTH YORKSHIRE	800	Fri	08/03/19	0.066	0.070	0.136
7	CU-04-B-04	SECONDARY SCHO	CARLISLE	CUMBERLAND	894	Fri	21/06/24	0.043	0.093	0.136
8	WK-04-B-01	SECONDARY SCHO	KINETON	WARWICKSHIRE	839	Wed	25/09/19	0.006	0.063	0.069

This section displays actual (not average) trip rates for each of the survey days in the selected set, and ranks them in order of relative trip rate intensity, for a given time period (or peak period irrespective of time) selected by the user. The count type and direction are both displayed just above the table, along with the rows within the table representing the 85th and 15th percentile trip rate figures (highlighted in bold within the table itself).

The table itself displays details of each individual survey, alongside arrivals, departures and totals trip rates, sorted by whichever of the three directional options has been chosen by the user. As with the preceeding trip rate calculation results table, the trip rates shown are per the calculation factor (e.g. per 100m2 GFA, per employee, per hectare, etc). Note that if the peak period option has been selected (as opposed to a specific chosen time period), the peak period for each individual survey day in the table is also displayed.

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 04 - EDUCATION
Category : B - SECONDARY
MULTI-MODAL TOTAL VEHICLES

<u>Selected regions and areas:</u>		
02	SOUTH EAST	
	ON LUTON	1 days
03	SOUTH WEST	
	DV DEVON	1 days
	WL WILTSHIRE	1 days
06	WEST MIDLANDS	
	WK WARWICKSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	1 days
09	NORTH	
	CU CUMBERLAND	1 days
	TV TEES VALLEY	1 days
10	WALES	
	PE PEMBROKESHIRE	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 pupils
 Actual Range: 800 to 1439 (units:)
 Range Selected by User: 520 to 1913 (units:)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/16 to 21/06/24

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:

Tuesday	2 days
Wednesday	3 days
Thursday	1 days
Friday	2 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 undertaken using machines.

Selected Locations:

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

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	1
Residential Zone	4
Retail Zone	1
Village	2

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

Inclusion of Servicing Vehicles Counts:

Servicing vehicles Included	8 days - Selected
Servicing vehicles Excluded	X days - Selected

Secondary Filtering selection:

Use Class:

F1(a) 8 days

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

Secondary Filtering selection (Cont.):

Population within 1 mile:

1,001 to 5,000	2 days
10,001 to 15,000	1 days
15,001 to 20,000	2 days
20,001 to 25,000	3 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	2 days
75,001 to 100,000	1 days
100,001 to 125,000	1 days
125,001 to 250,000	2 days
250,001 to 500,000	1 days

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

Car ownership within 5 miles:

0.6 to 1.0	4 days
1.1 to 1.5	4 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	3 days
No	5 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	8 days
-----------------	--------

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

LIST OF SITES relevant to selection parameters

1	CU-04-B-04 WIGTON ROAD CARLISLE	SECONDARY SCHOOL	CUMBERLAND
	Edge of Town Residential Zone Total Number of pupils: 894 Survey date: FRIDAY 21/06/24		Survey Type: MANUAL
2	DV-04-B-04 EARL RICHARD ' SRD SOUTH EXETER	SECONDARY ACADEMY	DEVON
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of pupils: 835 Survey date: TUESDAY 02/04/19		Survey Type: MANUAL
3	NY-04-B-03 GARGRAVE ROAD SKIPTON	GIRLS' HIGH SCHOOL	NORTH YORKSHIRE
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of pupils: 800 Survey date: FRIDAY 08/03/19		Survey Type: MANUAL
4	ON-04-B-01 GIPSY LANE LUTON	SECONDARY ACADEMY	LUTON
	Edge of Town Retail Zone Total Number of pupils: 1160 Survey date: THURSDAY 09/11/23		Survey Type: MANUAL
5	PE-04-B-01 WITHYBUSH ROAD HAVERFORDWEST	SECONDARY SCHOOL	PEMBROKESHIRE
	Edge of Town Industrial Zone Total Number of pupils: 858 Survey date: WEDNESDAY 22/11/23		Survey Type: MANUAL
6	TV-04-B-02 THAMES ROAD BILLINGHAM	SECONDARY SCHOOL	TEES VALLEY
	Edge of Town Residential Zone Total Number of pupils: 1439 Survey date: TUESDAY 24/05/22		Survey Type: MANUAL
7	WK-04-B-01 BANBURY ROAD KINETON	SECONDARY SCHOOL	WARWICKSHIRE
	Neighbourhood Centre (PPS6 Local Centre) Village Total Number of pupils: 839 Survey date: WEDNESDAY 25/09/19		Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

8	WL-04-B-01 STANLEY LANE NEAR CHIPPENHAM PEWSHAM Neighbourhood Centre (PPS6 Local Centre) Village Total Number of pupils: 883 Survey date: WEDNESDAY 10/05/23	SECONDARY SCHOOL WILTSHIRE	Survey Type: MANUAL
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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.

ASHLEY HELME ASSOCIATES 76 WSHWAY ROAD SALE

Licence No: 733101

RANK ORDER for Land Use 04 - EDUCATION/B - SECONDARY
MULTI-MODAL TOTAL VEHICLES

Ranking Type: TOTALS Time Range: 16:00-17:00 CALCULATION FACTOR 1 PUPILS

WARNING: Using 85th and 15th percentile highlighted trip rates in data sets of under
20 surveys is not recommended by TRICS and may be misleading.

15th Percentile = No. 7 DV-04-B-04 Tot: 0.061
85th Percentile = No. 2 PE-04-B-01 Tot: 0.302

Median Values		Mean Values	
Arrivals:	0.044	Arrivals:	0.071
Departures:	0.075	Departures:	0.092
Totals:	0.119	Totals:	0.162

Rank	Site-Ref	Description	Town/City	Area	PUPILS	Day	Date	Trip Rate (Sorted by Totals)		
								Arrivals	Departures	Totals
1	NY-04-B-03	GIRLS' HIGH SC	SKIPTON	NORTH YORKSHIRE	800	Fri	08/03/19	0.220	0.228	0.448
2	PE-04-B-01	SECONDARY SCHO	HAVERFORDWEST	PEMBROKESHIRE	858	Wed	22/11/23	0.168	0.134	0.302
3	ON-04-B-01	SECONDARY ACAD	LUTON	LUTON	1160	Thu	09/11/23	0.051	0.082	0.133
4	WL-04-B-01	SECONDARY SCHO	NEAR CHIPPENHAM	WILTSHIRE	883	Wed	10/05/23	0.031	0.096	0.127
5	CU-04-B-04	SECONDARY SCHO	CARLISLE	CUMBERLAND	894	Fri	21/06/24	0.057	0.054	0.111
6	TV-04-B-02	SECONDARY SCHO	BILLINGHAM	TEES VALLEY	1439	Tue	24/05/22	0.013	0.078	0.091
7	DV-04-B-04	SECONDARY ACAD	EXETER	DEVON	835	Tue	02/04/19	0.017	0.044	0.061
8	WK-04-B-01	SECONDARY SCHO	KINETON	WARWICKSHIRE	839	Wed	25/09/19	0.008	0.019	0.027

This section displays actual (not average) trip rates for each of the survey days in the selected set, and ranks them in order of relative trip rate intensity, for a given time period (or peak period irrespective of time) selected by the user. The count type and direction are both displayed just above the table, along with the rows within the table representing the 85th and 15th percentile trip rate figures (highlighted in bold within the table itself).

The table itself displays details of each individual survey, alongside arrivals, departures and totals trip rates, sorted by whichever of the three directional options has been chosen by the user. As with the preceeding trip rate calculation results table, the trip rates shown are per the calculation factor (e.g. per 100m2 GFA, per employee, per hectare, etc). Note that if the peak period option has been selected (as opposed to a specific chosen time period), the peak period for each individual survey day in the table is also displayed.

C Hands Up Questionnaire Survey

School 'Hands Up' Travel survey

Students

How did you travel in today?

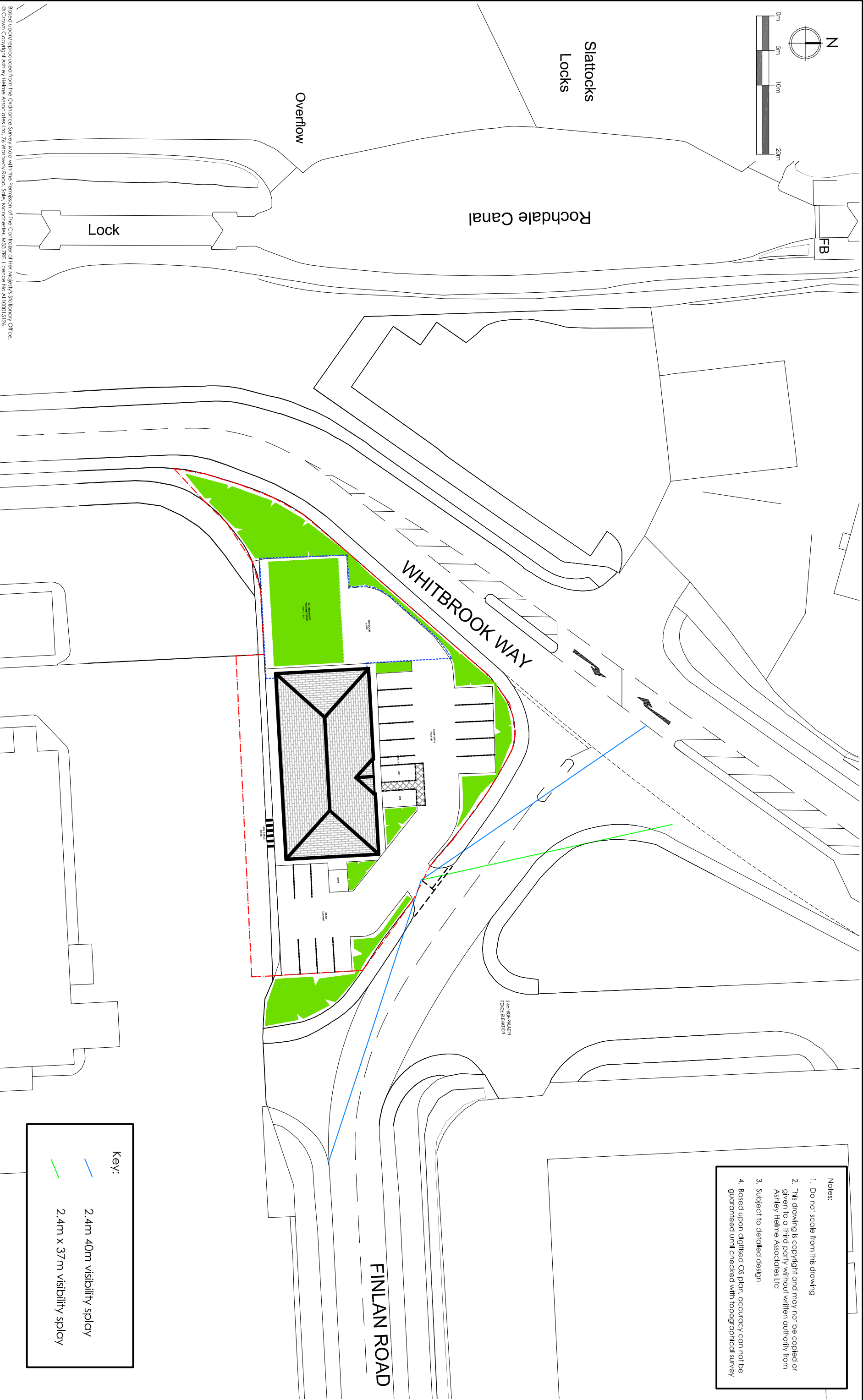
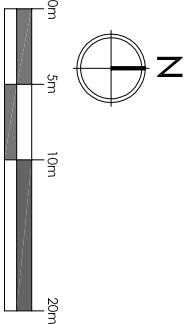
Method of Travel	Number
Walk	0
Cycle	0
Public Bus	0
School Bus	0
Tram	0
Train	0
Car – drive in alone	10
Car – drive in with another pupil	0
Taxi	2
Taxi – drive in with another pupil	2
Other	0

Staff

How did you travel in today?

Method of Travel	Number
Walk	
Cycle	
Public Bus	
School Bus	
Tram	
Train	
Car – drive in alone	7
Car – drive in with another member of staff	1
Taxi	
Other	

Drawings



- Notes:
1. Do not scale from this drawing
 2. This drawing is copyright and may not be copied or given to a third party without written authority from Ashley Helme Associates Ltd
 3. Subject to detailed design
 4. Based upon digitised OS plan, accuracy can not be guaranteed until checked with topographical survey

Key:

- 2.4m 40m visibility splay
- 2.4m x 37m visibility splay

Project		Title	
LINK HOUSE, STAKEHILL INDUSTRIAL ESTATE, MIDDLETON		PROPOSED ACCESS ARRANGEMENTS	
Client		Date	Rev
MEADOWS CARE LTD		MARCH 2025	A
		Scale	1:500@A3
		 ASHLEY HELME ASSOCIATES	
		Telephone	0161 972 0552
		Email	ah@ashleyhelme.co.uk
		Website	www.ashleyhelme.co.uk
		Address	76 Westway Road, Sale, Manchester, M33 7RE

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