



Bellamy Roberts

# TECHNICAL HIGHWAY NOTE

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|                   |                                  |
|-------------------|----------------------------------|
| <b>PROPOSAL:</b>  | Re-development of Commercial Use |
| <b>SITE:</b>      | Little Rose Farm, Meopham, Kent  |
| <b>REFERENCE:</b> | ITR/RK/6031/THN.1                |
| <b>DATE:</b>      | January 2024                     |

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## Introduction

Bellamy Roberts has prepared a Technical Highway Note to support a planning application for the conversion of a large stable building consisting of 14 stables into light commercial use in Meopham, Kent.

This Technical Highway Note compares and contrasts the traffic movement of the proposed use with the current use and consists of the following:

- Proposed traffic generation
- Parking provision
- Swept path analysis of access

## Traffic Generation

### Existing Use

The existing site comprises 14 stables, storage and parking provision. Typically, highway authority and highway consultants alike utilise the TRICS database for calculating trip rates and traffic generation. However, TRICS database does not have traffic data of livery stables and first principles need investigating to establish the likely traffic movement associated with the current use.

Traffic movements for the livery use can depend on two factors:

1. DIY (looked after by horse owners or persons daily)
2. Commercial livery (one or two persons coming into the site twice a day to look after all horses)

Traffic movements between these two types of liveries vary. Commercial liveries would generate fewer traffic movements than DIY. For a DIY livery each horse owner would have to visit the site twice on a daily basis.

Assuming the horses are looked after by their owners (DIY) and assuming there are 14 individual owners. Horse owners would require two visits a day to look after their horse by giving them food and water, generating 4 two-way vehicular movements per horse per day.

As such, the DIY horse livery could generate as much as 56 two-way movements per day. This excludes feed deliveries and veterinary visits.

Assuming the horses are looked after as commercial livery, this could likely generate 4 daily two-way movements plus if the horse owner visits every other day, this could generate an additional 28 two-way vehicular movements per day.

A commercial livery could therefore generate in the region of 32 two-way vehicular movements per day.

Based on the above, the existing use could generate between 32 and 56 two-way vehicular movements daily.

### **Proposed Use**

The TRICS database 7.10.3 has been interrogated to calculate the likely traffic generation of the proposed commercial development. The development falls under commercial (unit) with TRICS and light industrial use for the site has been used in the assessment.

The trip rates with TRICS were obtained from all edge of town and suburban sites within England, excluding Greater London. Due to the nature of the proposal, Table 1 shows the calculated trip rates and traffic movements of the combined floor area of 322.5m<sup>2</sup>. See [Appendix 1](#) for the full TRICS output.



**Table 1: Proposed Use Traffic Generation**

| Time Period | Trip Rates (per 100) |           |         | Traffic Generation (322.5m) |           |         |
|-------------|----------------------|-----------|---------|-----------------------------|-----------|---------|
|             | Arrival              | Departure | Two-way | Arrival                     | Departure | Two-way |
| 05:00-21:00 | 3.286                | 3.232     | 6.518   | 11                          | 11        | 22      |

Table 1 shows that the proposed development of light industrial use could generate in the region of 22 two-way daily vehicular movements.

This figure is less than the existing traffic generated by both the DIY livery and the commercial livery.

### Summary

The proposed re-development of the site will have no detrimental impact on the highway network and provides benefits to the existing road use by generating fewer traffic movements than the existing use.

## Parking Standards

The Kent and Medway Structure Plan 2006: Kent Vehicle Parking Standards (July 2006). Table 2 shows the maximum parking standards.

**Table 2: Goods Vehicles and Car Parking Standards**

|                         | Goods Vehicles                                                                                                          | Car Parking                  |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------------|
| Up to 200m <sup>2</sup> | See note 1                                                                                                              | 3 spaces                     |
| Over 200m <sup>2</sup>  | 1 space per 200m <sup>2</sup>                                                                                           | 1 space per 50m <sup>2</sup> |
|                         | 1. Adequate facilities should be provided to enable delivery vehicles to park and maneuver clear of the public highway. |                              |

Following the standards set out in Table 2, the development requires a maximum of two parking spaces for goods vehicles and 7 car parking spaces.

The site plan shows that there is sufficient space for car parking allocation under the Kent Standard requirements.

## Access

The relevant swept path analysis plans are provided in [Appendix 2](#). Swept path analysis of an 8m box van was conducted inside of the site, the site access, and the site access drive.

The internal site swept path analysis shows that the site is able to accommodate a vehicle of this size. The box van is able to enter and exit the site in a forward gear.

The swept path analysis of the site access shows that a box van and an estate car can both share the access and are able to enter and exit at the same time.

Whilst the site could generate fewer traffic movements than the current use, it is proposed that an additional passing places are provided along the access drive as illustrated at [Appendix 3](#).

## Summary

Bellamy Roberts has prepared this Technical Highway Note in support of a planning application for the redevelopment of the livery use into a commercial use at Little Rose Farm. The proposed traffic generation was compared and contrasted alongside the traffic generation generated by the existing stables.

The proposal would have the potential of reducing traffic movement when compared with the current use.

The proposed parking spaces align with Kent Vehicle Parking Standards.

Swept path analysis has been conducted and shows that the access route is appropriate, and vehicles can manoeuvre inside of the site and site access comfortably.

The proposal does not raise any safety or other transport issues and accords with the Framework.

## APPENDICES

# APPENDIX 1

TRICS Data

BELLAMY ROBERTS WESTERN LANE ODIHAM

Licence No: 200601

Calculation Reference: AUDIT-200601-231218-1254

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT  
 Category : C - INDUSTRIAL UNIT  
 TOTAL VEHICLES

Selected regions and areas:

|    |                                |        |
|----|--------------------------------|--------|
| 02 | SOUTH EAST                     |        |
|    | BO BEDFORD                     | 1 days |
|    | HC HAMPSHIRE                   | 1 days |
| 03 | SOUTH WEST                     |        |
|    | BR BRISTOL CITY                | 1 days |
|    | DV DEVON                       | 1 days |
|    | GS GLOUCESTERSHIRE             | 1 days |
|    | SM SOMERSET                    | 1 days |
| 04 | EAST ANGLIA                    |        |
|    | NF NORFOLK                     | 2 days |
|    | PB PETERBOROUGH                | 1 days |
| 05 | EAST MIDLANDS                  |        |
|    | DY DERBY                       | 1 days |
|    | NN NORTH NORTHAMPTONSHIRE      | 1 days |
| 06 | WEST MIDLANDS                  |        |
|    | WM WEST MIDLANDS               | 2 days |
| 07 | YORKSHIRE & NORTH LINCOLNSHIRE |        |
|    | KS KIRKLEES                    | 1 days |
| 08 | NORTH WEST                     |        |
|    | BP BLACKPOOL                   | 1 days |
|    | EC CHESHIRE EAST               | 1 days |
|    | LC LANCASHIRE                  | 3 days |
| 09 | NORTH                          |        |
|    | CU CUMBERLAND                  | 1 days |
|    | TV TEES VALLEY                 | 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: Gross floor area  
Actual Range: 150 to 4324 (units: sqm)  
Range Selected by User: 100 to 5500 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/15 to 29/09/22

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

Selected survey days:

|           |         |
|-----------|---------|
| Monday    | 1 days  |
| Tuesday   | 3 days  |
| Wednesday | 3 days  |
| Thursday  | 10 days |
| Friday    | 4 days  |

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

Selected survey types:

|                       |         |
|-----------------------|---------|
| Manual count          | 21 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)       | 9  |
| Edge of Town                             | 11 |
| Neighbourhood Centre (PPS6 Local Centre) | 1  |

*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 | 19 |
| Village         | 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 | 1 days - Selected  |
| Servicing vehicles Excluded | 20 days - Selected |

Secondary Filtering selection:

Use Class:

|           |         |
|-----------|---------|
| Not Known | 21 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

## Secondary Filtering selection (Cont.):

Population within 1 mile:

|                  |        |
|------------------|--------|
| 1,001 to 5,000   | 2 days |
| 5,001 to 10,000  | 3 days |
| 10,001 to 15,000 | 5 days |
| 15,001 to 20,000 | 1 days |
| 20,001 to 25,000 | 4 days |
| 25,001 to 50,000 | 6 days |

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

Population within 5 miles:

|                    |         |
|--------------------|---------|
| 50,001 to 75,000   | 3 days  |
| 75,001 to 100,000  | 2 days  |
| 100,001 to 125,000 | 2 days  |
| 125,001 to 250,000 | 10 days |
| 250,001 to 500,000 | 3 days  |
| 500,001 or More    | 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 | 11 days |
| 1.1 to 1.5 | 10 days |

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

Travel Plan:

|    |         |
|----|---------|
| No | 21 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 | 21 days |
|-----------------|---------|

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

|                       |     |                                                                                                    |
|-----------------------|-----|----------------------------------------------------------------------------------------------------|
| Covid-19 Restrictions | Yes | At least one survey within the selected data set was undertaken at a time of Covid-19 restrictions |
|-----------------------|-----|----------------------------------------------------------------------------------------------------|

LIST OF SITES relevant to selection parameters

|   |                                                                                                                                                                                                    |                                             |                     |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------|
| 1 | BO-02-C-01<br>POSTLEY ROAD<br>BEDFORD<br>KEMPSTON<br>Edge of Town<br>Industrial Zone<br>Total Gross floor area: 1045 sqm<br>Survey date: THURSDAY 15/10/20                                         | PUMPS, MOTORS & FANS<br>BEDFORD             | Survey Type: MANUAL |
| 2 | BP-02-C-01<br>CHORLEY ROAD<br>BLACKPOOL<br>LITTLE CARLETON<br>Edge of Town<br>Industrial Zone<br>Total Gross floor area: 1010 sqm<br>Survey date: THURSDAY 20/06/19                                | POWDER COATINGS<br>BLACKPOOL                | Survey Type: MANUAL |
| 3 | BR-02-C-02<br>SOUTH LIBERTY LANE<br>BRISTOL<br><br>Edge of Town<br>Industrial Zone<br>Total Gross floor area: 1475 sqm<br>Survey date: TUESDAY 22/09/15                                            | STAINLESS FITTINGS<br>BRISTOL CITY          | Survey Type: MANUAL |
| 4 | CU-02-C-01<br>BLACKDYKE ROAD<br>CARLISLE<br>KINGSTOWN IND. ESTATE<br>Edge of Town<br>Industrial Zone<br>Total Gross floor area: 715 sqm<br>Survey date: FRIDAY 15/10/21                            | STEEL FABRICATION<br>CUMBERLAND             | Survey Type: MANUAL |
| 5 | DV-02-C-02<br>GRACE ROAD SOUTH<br>EXETER<br>MARSH BARTON TRAD. EST.<br>Suburban Area (PPS6 Out of Centre)<br>Industrial Zone<br>Total Gross floor area: 3513 sqm<br>Survey date: THURSDAY 06/07/17 | ENERGY RECOVERY FACILITY<br>DEVON           | Survey Type: MANUAL |
| 6 | DY-02-C-01<br>PONTEFRAC STREET<br>DERBY<br><br>Suburban Area (PPS6 Out of Centre)<br>Industrial Zone<br>Total Gross floor area: 2600 sqm<br>Survey date: THURSDAY 25/06/15                         | ENGINEERED PRODUCTS<br>DERBY                | Survey Type: MANUAL |
| 7 | EC-02-C-02<br>CHARTER WAY<br>MACCLESFIELD<br>HURDSFIELD<br>Edge of Town<br>Industrial Zone<br>Total Gross floor area: 3200 sqm<br>Survey date: FRIDAY 07/05/21                                     | FABRICS MANUFACTURE<br>CHESHIRE EAST        | Survey Type: MANUAL |
| 8 | GS-02-C-02<br>DAVY WAY<br>GLOUCESTER<br>HARDWICKE<br>Edge of Town<br>Industrial Zone<br>Total Gross floor area: 1630 sqm<br>Survey date: FRIDAY 23/04/21                                           | MARINE ENGINE PRODUCTION<br>GLOUCESTERSHIRE | Survey Type: MANUAL |

LIST OF SITES relevant to selection parameters (Cont.)

|    |                                                                                                                                                                                        |                            |                        |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------|
| 9  | HC-02-C-01<br>JAYS CLOSE<br>BASINGSTOKE                                                                                                                                                | ENGINEERING COMPANY        | HAMPSHIRE              |
|    | Edge of Town<br>Industrial Zone<br>Total Gross floor area: 3000 sqm<br>Survey date: THURSDAY 16/06/16                                                                                  |                            | Survey Type: MANUAL    |
| 10 | KS-02-C-01<br>INMOOR ROAD<br>NEAR BRADFORD<br>BIRKENSHAW<br>Neighbourhood Centre (PPS6 Local Centre)<br>Village<br>Total Gross floor area: 1890 sqm<br>Survey date: WEDNESDAY 10/10/18 | COMPUTER MANUFACTURER      | KIRKLEES               |
| 11 | LC-02-C-03<br>GOLDEN HILL LANE<br>LEYLAND                                                                                                                                              | TIMBER SUPPLIES            | LANCASHIRE             |
|    | Suburban Area (PPS6 Out of Centre)<br>Industrial Zone<br>Total Gross floor area: 150 sqm<br>Survey date: TUESDAY 06/11/18                                                              |                            | Survey Type: MANUAL    |
| 12 | LC-02-C-05<br>FURNESS DRIVE<br>POULTON-LE-FYLDE                                                                                                                                        | NUTRITION MANUFACTURE      | LANCASHIRE             |
|    | Edge of Town<br>Industrial Zone<br>Total Gross floor area: 775 sqm<br>Survey date: WEDNESDAY 30/06/21                                                                                  |                            | Survey Type: MANUAL    |
| 13 | LC-02-C-06<br>TOLLGATE ROAD<br>BURSCOUGH                                                                                                                                               | STEEL FABRICATION          | LANCASHIRE             |
|    | Edge of Town<br>Industrial Zone<br>Total Gross floor area: 700 sqm<br>Survey date: THURSDAY 21/04/22                                                                                   |                            | Survey Type: MANUAL    |
| 14 | NF-02-C-03<br>ELVIN WAY<br>NORWICH<br>HELLESDON<br>Edge of Town<br>Industrial Zone<br>Total Gross floor area: 260 sqm<br>Survey date: THURSDAY 07/11/19                                | SHEET METAL CONTRACTOR     | NORFOLK                |
| 15 | NF-02-C-04<br>FLETCHER WAY<br>NORWICH<br>UPPER HELLESDON<br>Suburban Area (PPS6 Out of Centre)<br>Industrial Zone<br>Total Gross floor area: 690 sqm<br>Survey date: THURSDAY 14/11/19 | EXHIBITION DESIGN & MANUF. | NORFOLK                |
| 16 | NN-02-C-01<br>TREVITHICK ROAD<br>CORBY                                                                                                                                                 | RENEWABLE ENGINEERING      | NORTH NORTHAMPTONSHIRE |
|    | Suburban Area (PPS6 Out of Centre)<br>Industrial Zone<br>Total Gross floor area: 702 sqm<br>Survey date: THURSDAY 22/10/20                                                             |                            | Survey Type: MANUAL    |

LIST OF SITES relevant to selection parameters (Cont.)

|    |                                                                                                                                                                                    |                                                                            |                                                                      |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------|
| 17 | PB-02-C-01<br>NEWARK ROAD<br>PETERBOROUGH<br>FENGATE<br>Edge of Town<br>Industrial Zone<br>Total Gross floor area: 1772 sqm<br>Survey date: THURSDAY 29/09/22                      | STEEL FABRICATOR<br><br><br><br><br><br><br><br>1772 sqm<br>29/09/22       | PETERBOROUGH<br><br><br><br><br><br><br><br><br>Survey Type: MANUAL  |
| 18 | SM-02-C-01<br>ROBINS DRIVE<br>BRIDGWATER<br><br>Suburban Area (PPS6 Out of Centre)<br>No Sub Category<br>Total Gross floor area: 2300 sqm<br>Survey date: WEDNESDAY 14/09/22       | WET BLASTING EQUIPMENT<br><br><br><br><br><br><br><br>2300 sqm<br>14/09/22 | SOMERSET<br><br><br><br><br><br><br><br><br>Survey Type: MANUAL      |
| 19 | TV-02-C-02<br>PARKVIEW ROAD WEST<br>HARTLEPOOL<br><br>Suburban Area (PPS6 Out of Centre)<br>Industrial Zone<br>Total Gross floor area: 1050 sqm<br>Survey date: FRIDAY 04/09/20    | FLUID ENGINEERING<br><br><br><br><br><br><br><br>1050 sqm<br>04/09/20      | TEES VALLEY<br><br><br><br><br><br><br><br><br>Survey Type: MANUAL   |
| 20 | WM-02-C-04<br>STOURVALE ROAD<br>STOURBRIDGE<br>LYE<br>Suburban Area (PPS6 Out of Centre)<br>Industrial Zone<br>Total Gross floor area: 4324 sqm<br>Survey date: TUESDAY 21/11/17   | FOUNDRY<br><br><br><br><br><br><br><br>4324 sqm<br>21/11/17                | WEST MIDLANDS<br><br><br><br><br><br><br><br><br>Survey Type: MANUAL |
| 21 | WM-02-C-05<br>ICKNIELD STREET<br>BIRMINGHAM<br>HOCKLEY<br>Suburban Area (PPS6 Out of Centre)<br>Industrial Zone<br>Total Gross floor area: 256 sqm<br>Survey date: MONDAY 22/11/21 | INDIAN CATERING<br><br><br><br><br><br><br><br>256 sqm<br>22/11/21         | WEST MIDLANDS<br><br><br><br><br><br><br><br><br>Survey Type: MANUAL |

*This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.*

TRIP RATE for Land Use 02 - EMPLOYMENT/C - INDUSTRIAL UNIT  
**TOTAL VEHICLES**  
 Calculation factor: 100 sqm  
 BOLD print indicates peak (busiest) period

| Time Range    | ARRIVALS |          |           | DEPARTURES |          |           | TOTALS   |          |           |
|---------------|----------|----------|-----------|------------|----------|-----------|----------|----------|-----------|
|               | No. Days | Ave. GFA | Trip Rate | No. Days   | Ave. GFA | Trip Rate | No. Days | Ave. GFA | Trip Rate |
| 00:00 - 01:00 |          |          |           |            |          |           |          |          |           |
| 01:00 - 02:00 |          |          |           |            |          |           |          |          |           |
| 02:00 - 03:00 |          |          |           |            |          |           |          |          |           |
| 03:00 - 04:00 |          |          |           |            |          |           |          |          |           |
| 04:00 - 05:00 |          |          |           |            |          |           |          |          |           |
| 05:00 - 06:00 | 4        | 1412     | 0.018     | 4          | 1412     | 0.000     | 4        | 1412     | 0.018     |
| 06:00 - 07:00 | 5        | 1455     | 0.165     | 5          | 1455     | 0.055     | 5        | 1455     | 0.220     |
| 07:00 - 08:00 | 19       | 1627     | 0.349     | 19         | 1627     | 0.068     | 19       | 1627     | 0.417     |
| 08:00 - 09:00 | 20       | 1640     | 0.582     | 20         | 1640     | 0.134     | 20       | 1640     | 0.716     |
| 09:00 - 10:00 | 21       | 1574     | 0.348     | 21         | 1574     | 0.230     | 21       | 1574     | 0.578     |
| 10:00 - 11:00 | 21       | 1574     | 0.287     | 21         | 1574     | 0.227     | 21       | 1574     | 0.514     |
| 11:00 - 12:00 | 21       | 1574     | 0.245     | 21         | 1574     | 0.245     | 21       | 1574     | 0.490     |
| 12:00 - 13:00 | 21       | 1574     | 0.281     | 21         | 1574     | 0.327     | 21       | 1574     | 0.608     |
| 13:00 - 14:00 | 21       | 1574     | 0.281     | 21         | 1574     | 0.324     | 21       | 1574     | 0.605     |
| 14:00 - 15:00 | 21       | 1574     | 0.248     | 21         | 1574     | 0.257     | 21       | 1574     | 0.505     |
| 15:00 - 16:00 | 21       | 1574     | 0.188     | 21         | 1574     | 0.287     | 21       | 1574     | 0.475     |
| 16:00 - 17:00 | 21       | 1574     | 0.148     | 21         | 1574     | 0.393     | 21       | 1574     | 0.541     |
| 17:00 - 18:00 | 21       | 1574     | 0.088     | 21         | 1574     | 0.405     | 21       | 1574     | 0.493     |
| 18:00 - 19:00 | 21       | 1574     | 0.024     | 21         | 1574     | 0.160     | 21       | 1574     | 0.184     |
| 19:00 - 20:00 | 5        | 1181     | 0.034     | 5          | 1181     | 0.085     | 5        | 1181     | 0.119     |
| 20:00 - 21:00 | 4        | 1412     | 0.000     | 4          | 1412     | 0.035     | 4        | 1412     | 0.035     |
| 21:00 - 22:00 |          |          |           |            |          |           |          |          |           |
| 22:00 - 23:00 |          |          |           |            |          |           |          |          |           |
| 23:00 - 24:00 |          |          |           |            |          |           |          |          |           |
| Total Rates:  |          |          | 3.286     |            |          | 3.232     |          |          | 6.518     |

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:           | 150 - 4324 (units: sqm) |
| Survey date range:                            | 01/01/15 - 29/09/22     |
| Number of weekdays (Monday-Friday):           | 21                      |
| Number of Saturdays:                          | 0                       |
| Number of Sundays:                            | 0                       |
| Surveys automatically removed from selection: | 0                       |
| Surveys manually removed from selection:      | 0                       |

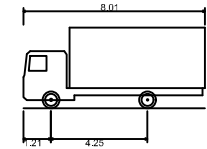
*This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected 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.*

# APPENDIX 2

## Swept Path Analysis



Notes



7.5t Box Van  
Overall Length 8.010m  
Overall Width 2.100m  
Overall Body Height 3.556m  
Min Body Ground Clearance 0.351m  
Track Width 2.064m  
Lock to lock time 4.00s  
Kerb to Kerb Turning Radius 7.400m

|          |   |                           |     |          |     |
|----------|---|---------------------------|-----|----------|-----|
| REVISION | A | Tracking and site amended | MB  | 08/01/24 | IR  |
|          |   | AMENDMENT                 | DRN | DATE     | CHK |



**Bellamy Roberts**  
Clover House  
Western Lane  
Odiham  
Hampshire, RG29 1TU  
Tel: 01256 703355  
Email: [info@bellamyroberts.co.uk](mailto:info@bellamyroberts.co.uk)

CLIENT  
**CLIENT**

PROJECT  
Little Rose Farm, Meopham, Kent

TITLE  
8m Box Van  
Internal Tracking

|                     |                           |              |
|---------------------|---------------------------|--------------|
| DRAWN BY<br>MB      | DESIGN BY<br>-            | CHK BY<br>IR |
| DATE<br>03/01/24    | DRAWING No.<br>6031 / 201 | REV No.<br>A |
| SCALE<br>1:250 @ A3 |                           |              |



### Notes

7.5t Box Van  
Overall Length 8.010m  
Overall Width 2.100m  
Overall Body Height 3.556m  
Min Body Ground Clearance 0.351m  
Track Width 2.064m  
Lock to lock time 4.00s  
Kerb to Kerb Turning Radius 7.400m

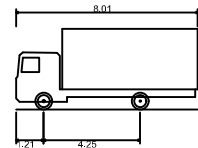
Estate Car (2006)  
Overall Length 4.710m  
Overall Width 1.804m  
Overall Body Height 1.442m  
Min Body Ground Clearance 0.207m  
Max Track Width 1.756m  
Lock to lock time 4.00s  
Kerb to Kerb Turning Radius 5.950m

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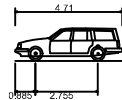
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| CLIENT                          |             |        |
| Little Rose Farm, Meopham, Kent |             |        |
| TITLE                           |             |        |
| 8m Box Van Access Tracking      |             |        |
| DRAWN BY                        | DESIGN BY   | CHK BY |
| MB                              | -           | IR     |
| DATE                            | DRAWING No. |        |
| 08/01/24                        | 6031 / 202  |        |
| SCALE                           | REV No.     |        |
| 1:250 @ A3                      |             |        |



Notes



7.5t Box Van  
Overall Length 8.01m  
Overall Width 2.10m  
Overall Body Height 3.56m  
Min Body Ground Clearance 0.351m  
Track Width 2.064m  
Lock to lock time 4.00s  
Kerb to Kerb Turning Radius 7.400m



Estate Car (2006)  
Overall Length 4.71m  
Overall Width 1.804m  
Overall Body Height 1.442m  
Min Body Ground Clearance 0.207m  
Max Track Width 1.756m  
Lock to lock time 4.00s  
Kerb to Kerb Turning Radius 5.950m

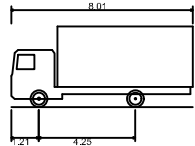


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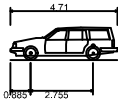
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| CLIENT                                            |             |         |
| Little Rose Farm, Meopham, Kent                   |             |         |
| 8m Box Van Access Road Tracking with Passing Bays |             |         |
| DRAWN BY                                          | DESIGN BY   | CHK BY  |
| MB                                                | -           | IR      |
| DATE                                              | DRAWING No. | REV No. |
| 08/01/24                                          | 6031 / 203  |         |
| SCALE                                             |             |         |
| 1:1000 @ A3                                       |             |         |



Notes



7.5t Box Van  
Overall Length 8.010m  
Overall Width 2.100m  
Overall Body Height 3.558m  
Min Body Ground Clearance 0.351m  
Track Width 2.064m  
Lock to lock time 4.00s  
Kerb to Kerb Turning Radius 7.400m



Estate Car (2006)  
Overall Length 4.710m  
Overall Width 1.804m  
Overall Body Height 1.442m  
Min Body Ground Clearance 0.207m  
Max Track Width 1.756m  
Lock to lock time 4.00s  
Kerb to Kerb Turning Radius 5.950m



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CLIENT  
**CLIENT**

PROJECT  
**Little Rose Farm, Meopham, Kent**

TITLE  
**Access Road Passing Bays Tracking**

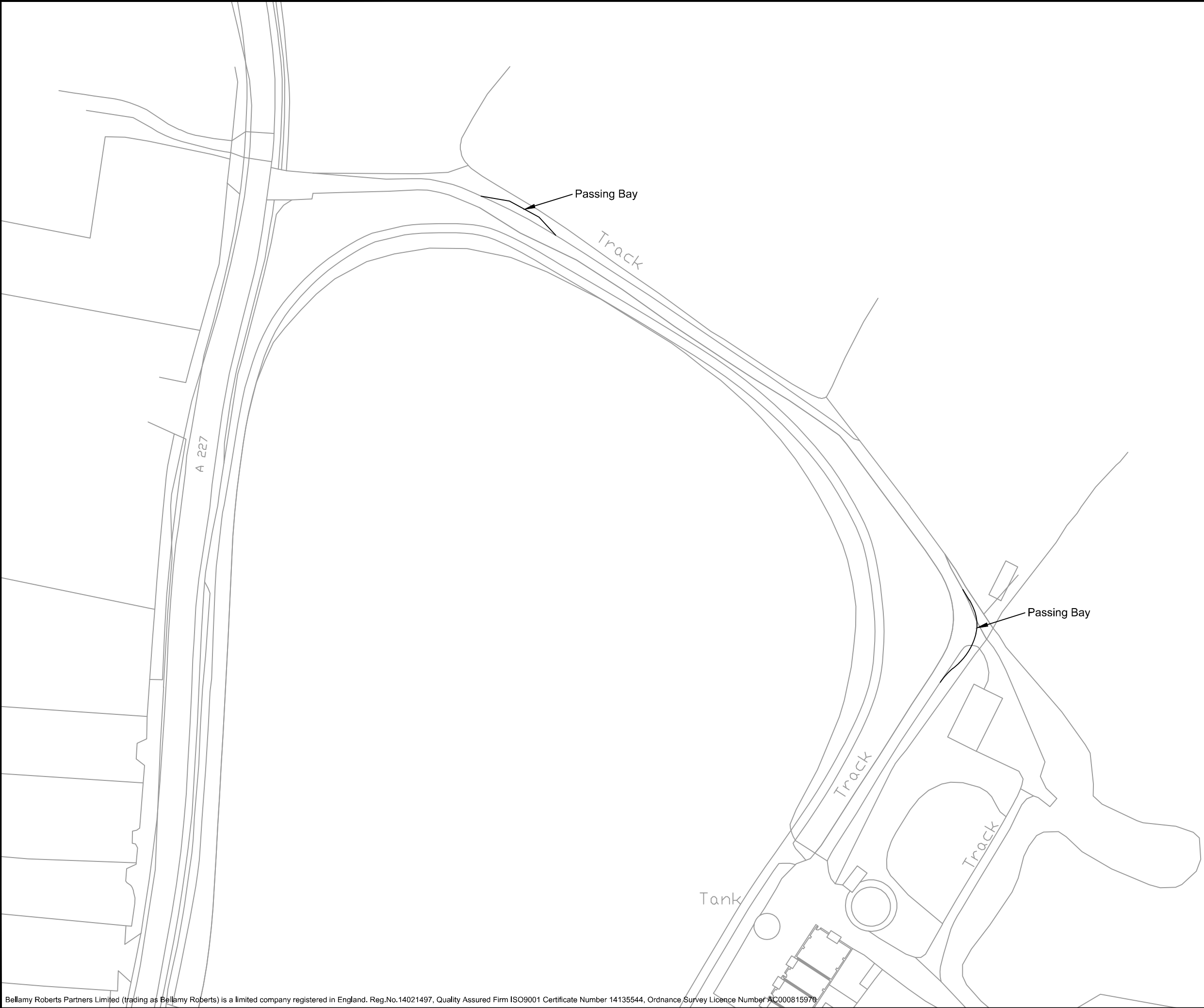
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| DRAWN BY<br><b>MB</b> | DESIGN BY<br><b>-</b> | CHK BY<br><b>IR</b> |
|-----------------------|-----------------------|---------------------|

|                         |                                  |                    |
|-------------------------|----------------------------------|--------------------|
| DATE<br><b>08/01/24</b> | DRAWING No.<br><b>6031 / 204</b> | REV No.<br><b></b> |
|-------------------------|----------------------------------|--------------------|

|                             |  |
|-----------------------------|--|
| SCALE<br><b>1:1000 @ A3</b> |  |
|-----------------------------|--|

# APPENDIX 3

## Access Road Passing Bays Plan



Notes



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CLIENT  
CLIENT

PROJECT  
Little Rose Farm, Meopham, Kent

TITLE  
Access Road Passing Bays

|          |             |             |            |        |    |
|----------|-------------|-------------|------------|--------|----|
| DRAWN BY | MB          | DESIGN BY   | -          | CHK BY | IR |
| DATE     | 08/01/24    | DRAWING No. | 6031 / 001 |        |    |
| SCALE    | 1:1000 @ A3 |             |            |        |    |