

TRANSPORT EVALUATION FOR SURREY HEATH BOROUGH COUNCIL'S CORE STRATEGY

2026 Transport Assessment



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EXECUTIVE SUMMARY

Surrey County Council (SCC) is assisting Surrey Heath Borough Council (SHBC) with the development of their Local Development Framework (LDF). SHBC needs to consider the impact that their proposed development strategy will have on the highway network within the borough.

The key objective of this evaluation is to provide an assessment of the transport impact from future development and the sensitivity of the highway network with regard to traffic distribution from the proposed development.

The model used for the evaluation was SCC's County model SINTRAM, using the transport modelling software OmniTRANS. SINTRAM is a strategic traffic model that covers the key road network in Surrey. The County model makes use of three vehicle types: Cars, Light Goods Vehicles (LGVs) and Heavy Goods Vehicles (HGVs) and at present only assesses the AM peak hour (0800 – 0900). The base year of the model is 2005 and the future forecast year is 2026.

SHBC provided SCC with planning data that is proposed to occur in the borough between 2005 and 2026. The data was provided in accordance with the model zoning system and consisted of two categories of development: commercial and residential, from this data two scenarios were created,

- 2026 Scenario A consisted only of commercial and residential developments that have been approved by planning permission,
- 2026 Scenario B consisted of all commercial and residential developments irrespective of whether they have received planning permission or not.

In addition to the two forecast scenarios A and B it was thought appropriate for (SHBC) to consider two additional scenarios.

- 2026 Scenarios C consisted of Scenario B plus the inclusion of the Princess Royal Barracks (PRB) development site.
- 2026 Scenario D consisted of Scenario C plus the inclusion of the Defence Evaluation and Research Agency (DERA) development in the neighbouring borough of Runnymede

Even though the DERA development is not located within the borough of Surrey Heath, it was thought necessary to evaluate any possible cross-borough boundary impacts of the proposed development.

The number of trips projected to be generated from all developments stated in SHBC's planning data was calculated using the Trip Rate Information Computer System (TRICS) database.

In addition to the four test scenarios A, B, C and D two other reference scenarios were incorporated. Firstly a 2005 base year scenario was used to reflect the road network at the present time. Secondly a 2026 Do-Minimum scenario was created to act as a reference case to the four test scenarios. The 2026 Do-Minimum scenario incorporates background growth (e.g. changes in demographics and car ownership) between 2005 and 2026 for the Surrey Heath borough trips, but all other external trips grow at rates as forecast by the Department for Transport's (DfT) Trip End Model Presentation Programme (TEMPRO) database.

Two networks were used in the modelling process, a 2005 and 2026 network. The 2005 network reflects the road network in its current state. The 2026 network is the same as the 2005 but includes the Highways Agency's Hindhead Improvement Scheme. The Hindhead Scheme is due to open to traffic in 2011, and inclusion of this scheme in the assessment will produce a more robust and representative analysis of future traffic conditions.

The total number of estimated additional departures in Surrey Heath for each scenario is shown below in Table 1: (The differences represent the difference in the total number of departures and arrivals compared to Scenario A which already has planning permission

| | Additional Departures | Additional Arrivals | Difference in Departures | Difference in Arrivals |
|-----------------|--------------------------|------------------------|-----------------------------|---------------------------|
| 2026 Scenario A | 551 | 966 | | |
| 2026 Scenario B | 992 | 1,250 | +441 | +284 |
| 2026 Scenario C | 1,736 | 1,448 | +1185 | +482 |
| 2026 Scenario D | 2,853 | 1,617 | +2,302 | +651 |

Table 1: Additional departure and arrival trips by scenario

Tables 2 and 3 display the estimated changes in summary statistics for total non-motorway and motorway traffic flows in Surrey Heath in the AM peak hour (0800 - 0900). The tables shows the summary statistics of the traffic impacts between SHBC's proposed LDF Core Strategy Option Scenario C and Scenario A commercial and residential developments that have already been approved with planning permission.

| Key Statistics | 2026 Scenario C-A |
|-------------------------------------|-------------------------|
| Total Vehicle Kilometrage (Veh Kms) | +11,972 (+5.1%) |
| Total Link Travel Time (Veh Hrs) | +349 (+7.7%) |
| Total Junction Delay (Veh Hrs) | +82 (+3.3%) |
| Total Network Travel Time (Veh Hrs) | +432 (+6.1%) |
| Average Speed (Km/hrs) | -1.1 (-1.8%) |

Table 2: Changes in non-motorway summary statistics

| Key Statistics | 2026 Scenario C-A |
|-------------------------------------|-------------------------|
| Total Vehicle Kilometrage (Veh Kms) | +727 (+0.4%) |
| Total Link Travel Time (Veh Hrs) | +10 (+0.6%) |
| Average Speed (Km/hrs) | 0 |
| Average Speed (Km/hrs) | 0 |

Table 3: Changes in motorway summary statistics

Scenario C has the greatest impacts on the local traffic flows in Surrey Heath, when compared to all other scenarios. The distinct areas in the borough of Surrey Heath that are projected to be affected most by the additional trips generated from the proposed commercial and residential developments is York Town, Bagshot and Deepcut & Mytchett. All of these zones are subject to receiving a large proportion of additional trips generated from the proposed developments. Specifically the A322 Bracknell Road corridor that passes through the M3 Junction 3 is the area to feel the largest impacts of increased traffic flow and delay. The area surrounding the PRB development in Deepcut & Mytchett, specifically the B3015 Deepcut Bridge Road, could also be impacted by increased flow and delay due to the proposed PRB development in Scenario C.

From a strategic viewpoint it is unlikely that the traffic impacts produced from Scenario C are significant enough to cause major disruption or require significant highway infrastructure improvement measures on the road network in the borough of Surrey Heath, but it is likely that local junctions and surrounding links will be affected as new developments come forward.

This assessment concentrates on the impacts within the borough of Surrey Heath. Therefore the evaluation is based solely on the projected amount of additional trips to be generated from SHBC's planning data between 2005 and 2026, and the traffic impacts produced from these additional trips are only analysed in the borough of Surrey Heath.

Mitigation methods that may be implemented in the future have not been incorporated into the evaluation. Subsequently all projected traffic impacts referred to in the analysis of the transport evaluation could potentially act as worst-case scenarios.

1 INTRODUCTION

- 1.1.1 Surrey Heath Borough Council (SHBC) is in the process of developing their Local Development Framework (LDF). As part of the LDF and to inform the Core Strategy, SHBC need to present and consult on their preferred options for development in the borough. One of the aspects that needs to be considered when developing their preferred options is the impact the development strategy will have on movement and transport. In March 2010, SHBC commissioned Surrey County Council's (SCC) Transport Studies Team to evaluate the transport implications for the future developments identified in the Core Strategy.
- 1.1.2 SCC is working in partnership with SHBC, assisting with the development of their LDF. This assistance includes the provision of technical expertise to ensure that the resulting LDF will pass the "test of soundness" and meet SCC policies and objectives.
- 1.1.3 The main aims of the evaluation are to:
 - Determine the sensitivity of the highway network to the distribution of development within the borough;
 - Provide a general assessment of the transport impact from future development within Surrey Heath for the forecast year of 2026.
- 1.1.4 This report considers the impacts of the LDF between 2005 and 2026.

1.2 Objectives

- 1.2.1 The main objectives of the evaluation were to:
 - Identify the locations and estimates of additional commercial and residential development in the borough;
 - Calculate the distribution of vehicle trips resulting from the additional development;
 - Prepare a 2026 traffic forecast based on these developments;
 - Compare the resulting 2026 traffic forecast for each development scenario against a suitable reference;
 - Report the main traffic impacts and conclusions arising.

1.3 Scope

- 1.3.1 The study will use the existing County model (SINTRAM) and OmniTRANS transport modelling software. SINTRAM is currently an AM peak hour model, and study will be based on this time period. The model base year is 2005, and the future forecast year is 2026.
- 1.3.2 For comparison purposes a Do-Minimum scenario was developed as a reference. This is described later in *paragraph 4.1.3*. Two networks were used in the modelling process: a 2005 network and a 2026 network. The 2005 base network replicates the road network in its current state, whereas the 2026 network is the same as the 2005 but includes the Highways Agency's Hindhead Improvement Scheme in the borough of Waverley, which is currently under construction. There is no other committed highway schemes in the area so the Hindhead Scheme is the

only highway alteration involved in the forecasting. Forecasts based on SHBC scenarios are developed using traffic generation rates derived from the TRICS database in conjunction with the County's transport model (SINTRAM).

1.4 Report Structure

1.4.1 This document describes both the methodology and transport evaluation. It has been split into the main tasks as listed below:

Section 2: A description of the model and its constraints;

Section 3: The estimation of trip rates for the proposed developments and scenarios;

<u>Section 4</u>: The development and summary results of the 2026 forecast year trip matrices used in the model;

<u>Section 5</u>: The detailed results and network analysis of the model;

Section 6: Main conclusions and summary of the evaluation.

2 MODEL DESCRIPTION

2.1 Context

- 2.1.1 The County model (SINTRAM Version 3.3/100811SH) was used to evaluate the development proposals. This is a strategic model that encapsulates the road network of Surrey and surrounding local authorities; at a national level the model incorporates all strategic roads within Great Britain.
- 2.1.2 All motorways, A and B roads together with some local roads are explicitly modelled within SINTRAM. Where traffic junctions and traffic signals are likely to have significant effects, the details of their general layout or the timing of the signals are also included in the modelling. However, strategic modelling uses aggregate descriptions of traffic such as flow, density and speed, and the relationships between them and hence does not include every road or junction. As a result the model is unable to answer detailed questions regarding traffic interactions, such as queuing and individual driver behaviour. It can, however, provide approximate answers to a wide range of transport problems (i.e. redistribution effects), making it a reasonable tool for the initial transport assessment for Surrey Heath's Core Strategy at the area wide level.

2.2 Vehicle Types

2.2.1 Cars, Light Goods Vehicles (LGVs) and Heavy Goods Vehicles (HGVs) are separately represented in the model. Trips by public transport are not modelled.

2.3 Time Period

2.3.1 The evaluation was performed in the AM peak hour time period (0800 – 0900 hours).

2.4 Assignment Method

2.4.1 A fixed matrix equilibrium assignment was performed for 30 iterations using the Method of Successive Averages (MSA). This is an assignment using volume averaging with optional Burrell type perturbations. The assignment allocates given travel demand (a set of trips with fixed origins and destinations) on the travel network (roads and junctions) in order to obtain distribution of traffic flow. The resulting traffic flow represents the average conditions for the time period under study.

2.5 Zoning System

- 2.5.1 The Borough of Surrey Heath was split into multiple zones (16 in total) according to the zoning system of the traffic model (SINTRAM Version 3.3), to which the planning data was allocated. The zoning system of the County model is based on the national census output areas.
- 2.5.2 *Figure 2.1* shows the locations of the 16 modelled zones in the borough of Surrey Heath.



Figure 2.1: Surrey

Heath borough zone plan

3 TRIP RATE EXTIMATES FOR INDIVIDUAL SITES

3.1 Data and Scenarios

- 3.1.1 Data concerning the permissions and allocations of commercial and residential developments from 2005 to 2026 in the borough of Surrey Heath was presented to SCC Transport Studies Team in July 2010. The data was received in the form of the Transport Studies Teams completed pro-forma, by email on 27th July 2010, from SHBC.
- 3.1.2 The planning data contained two key categories of development: commercial and residential. It reflects SHBC's expectations of development to occur between 2005 and 2026. See *Appendices A* and *B* for a summary of SHBC's commercial and residential planning data.
- 3.1.3 SHBC provided details of whether each development had been approved by planning permission or not. Status of planning permission affects the implications of developments because it is not possible to influence the developments that have received planning permission.
- 3.1.4 It was agreed between SCC and SHBC to test four scenarios:
 - Scenario A refers only to the proposed developments between 2005 and 2026 that have been approved by planning permission.
 - Scenario B includes all developments proposed to occur between 2005 and 2026, irrespective of whether they have received planning permission (i.e. approved and non-approved developments).
 - Scenario C refers to the approved and non-approved developments plus the developments proposed to occur on the Princess Royal Barracks (PRB) site in Deepcut.
 - Scenario D consists of the approved and non-approved developments, the PRB development and the Defence Evaluation and Research Agency (DERA) development in the neighbouring borough of Runnymede.
- 3.1.5 It was thought most appropriate to assess the proposed PRB development as a separate scenario due to the size and nature of the existing and proposed land uses. The existing land use is military and the proposed is a mix of residential and commercial land uses. SHBC provided information regarding the proposed development to consist of the following land uses: A1 A5, B1a, D1 (primary school, crèche/nursery and health centre) and 1,200 residential dwellings. See *Appendices A* and *B* for the exact planning data concerning the PRB development. Scenario C in this transport assessment consists of approved and non-approved developments and the proposed PRB development.
- 3.1.6 Scenario D refers to the inclusion of the redevelopment of the former DERA site located at Longcross within the neighbouring borough of Runnymede. The DERA site is located on the western borough boundary of Runnymede and the eastern borough boundary of Surrey Heath. SCC has previously provided support to

Runnymede Borough Council (RBC) with their LDF and included the redevelopment of DERA as a separate scenario. Due to the DERA site being in such close proximity to the borough boundary of Surrey Heath it was thought appropriate to include it in SHBC's transport evaluation, ensuring that any potential borough cross-boundary traffic impacts are accounted for. The existing DERA development consists of 76,885m² of commercial gross floor area (GFA), whereas the proposed development shall consist of 68,810m² of commercial GFA and an additional 2,500 housing units. See *Appendices A* and *B* for the exact planning data concerning the DERA development. The planning data for the DERA development was provided by RBC and is exactly the same as what was used in the transport assessment for RBC.

- 3.1.7 The trip generation and modelling methodology for the PRB and DERA developments in this transport assessment was based on the planning data provided from SHBC and RBC at the time of the assessment being conducted and was calculated the same as any other development within the study area. The trip generation is consistent with those from the Runnymede Transport Assessment.
- 3.1.8 The only difference between Scenario A and Scenario B is the proportion of developments that have been approved and non-approved by planning permission. The difference between Scenario B and Scenario C is the inclusion of the PRB development, and the difference between Scenario C and Scenario D is the inclusion of the DERA development in Runnymede. Both the PRB and DERA development were non-approved by planning permission at the time of this assessment being conducted.

3.2 TRICS

- 3.2.1 Development trip rates have been obtained from the Trip Rate Information Computer System (TRICS) database, version 2009(b).
- 3.2.2 A trip rate refers to the amount of trips generated by a development. These include both trips that arrive and depart from a development.
- 3.2.3 The TRICS database stores information recorded from past surveys completed in the UK for a range of locations and land uses, counting the number of vehicular trips made to and from individual sites. The TRICS database allows users to select sites that are relevant and similar criteria to a site in question. This enables the estimation of trip rates to and from proposed developments based on past surveyed sites.
- 3.2.4 It should be noted that the TRICS database is a subjective tool. This is because personal choice and judgement plays a key role in decision making when choosing appropriate sites to compare with the existing and proposed developments.

3.3 TRICS Methodology

3.3.1 TRICS Good Practice Guide 2009 was followed for the interrogation of the database to determine comparative sites.

- 3.3.2 Trip rates produced from the TRICS database were calculated as a trip rate estimate per 100m² GFA for commercial developments, and per household for residential developments. Estimates were then applied to the relevant GFA or number of households for each development, by modelled zone.
- 3.3.3 Trip rate estimates were generated for both the existing and proposed developments using the TRICS database. Although an exception to this occurred in Scenario C with relation to the PRB development. The existing land use of the PRB site is military, and as such generates relatively unique trip patterns. To establish as realistic as possible existing trip rate estimates for the PRB site it was thought best to use a recent traffic survey instead of the TRICS database. Therefore the existing trip rate estimates for the PRB site were obtained from a survey conducted by Entec Ltd for the purpose of the report entitled "*Princess Royal Barracks, Deepcut Disposal, Transport Assessment, 23rd April 2010.*" See Appendix C for a summary of this existing trip generation.
- 3.3.4 Three vehicle types are modelled within SINTRAM: Cars, LGVs and HGVs. Consequently vehicle proportions were calculated for these vehicle types from the corresponding surveys in the TRICS database.
- 3.3.5 Whilst different trip rates were generated for each category of development and for each land use, trip rates also needed to be extracted to appropriate corresponding TRICS locations. The TRICS database classifies all surveys conducted at a development as one of the following TRICS locations: town centre; edge of town centre; neighbourhood centre; suburban area; edge of town and free standing. See *Appendix D* for the TRICS definitions of each location.
- 3.3.6 The methodology for assigning a TRICS location to each development differed between the approved and non-approved developments. The developments approved by planning permission provided addresses for each development, allowing a TRICS location to be assigned accurately. However, the developments non-approved by planning permission did not provide addresses so it was necessary to award and proportion TRICS locations to entire zones of the borough of Surrey Heath. *Table 3.1* shows the TRICS locations awarded to the zones of Surrey Heath.

| Zone No. | Zone Name | TRICS Location | Comments |
|-------------|--------------------------------|---------------------------|---|
| | | 50% Edge of Town | Northern half of the zone (north of the A30) is rural and contains few developments. Covers Bagshot Heath. |
| 362 1 | Bagshot | 40% Neighbourhood Centre | Land between the A30 and M3 is relatively urban but the main land use is residential, served by local schools. |
| | | 10% Edge of Town Centre | A small proportion of the zone surrounds the centre of Bagshot and Bagshot train station. |
| 262 | Wastand | 70% Edge of Town | Large proportion of the zone (west of the A322), covers Westend Common (army ranges). Very sparse open land with few developments. |
| 303 | westend | 30% Neighbourhood Centre | The residential area of West End surrounds the A322 and A319. |
| 264 | Chabham | 80% Edge of Town | The majority of the zone is rural land. In the north of the zone (north of the M3) is Chobham Common and Sunningdale golf course. |
| 304 | Chobhann | 20% Neighbourhood Centre | Central and to the south of zone are the two main residential areas of Burrowhill and Chobham, with local services of schools etc. |
| 265 | Deepcut & | 60% Suburban Area | Majority of the zone (on the eastern zone boundary) covers the Deepcut development for army training and residential barracks. |
| 303 | Mytchett | 40% Neighbourhood Centre | The residential area of Frimley Green is in the west of the zone. Local schools and recreation facilities serve this area. |
| | | 30% Town Centre | Central to the zone is Camberley town centre and Camberley train station. |
| 366 | Camberley | 40% Neighbourhood Centre | South of the railway line is predominantly residential land with recreation and education facilities. |
| | | 30% Suburban Area | North of the A30 covers part of the Sandhurst Royal Military Academy. Land uses in the north of the zone are diverse. |
| 367 (| Camberley Heath | 100% Neighbourhood Centre | Main land use of this zone is residential development. Camberley Heath golf course and multiple schools are also located in this zone. |
| 368 | Collingwood | 50% Neighbourhood Centre | In the south of the zone the land use is predominantly residential. Collingwood college is also located within this area. |
| 500 (| College | 50% Edge of Town | The northern half of the zone (on the boroughs northern boundary) is rural and covered by common/heath land with few developments. |
| 360 | Lightwater | 60% Neighbourhood Centre | In the east and centre of the zone the prominent land use is residential, Lightwater. |
| 507 | Lightwater | 40% Suburban Area | The west of the zone and far east contains a mix of development i.e. recreation land, farmland and MOD testing areas. |
| 370 | Windlesham | 80% Suburban Area | The majority of the zone contains a mix of land uses e.g. residential, recreational, golf courses and businesses. |
| 570 | w moresnam | 20% Edge of Town | Northern and southern areas of the zone are very rural containing few developments. The south of the zone, below the M25, is very rural. |
| 371 | Riverside & | 30% Suburban Area | Riverside Park and other industrial/business land uses are located in the west of the zone, as well as a supermarket and recreation areas. |
| 5/1 | Watchetts | 70% Neighbourhood Centre | The rest of the zone contains mainly residential developments supported by local schools and recreation grounds. |
| 372 | Vork Town | 50% Neighbourhood Centre | The half of the zone east of the B3411 is mainly a residential area containing a few schools. |
| 512 | TOIK TOWN | 50% Suburban Area | Half of the zone west of the B3411 contains industrial estates/business parks, e.g. York Town Industrial Estate, Watchmoor Trade Centre. |
| 373 | Frimley Green | 30% Suburban Area | Land west of the B3411 contains a mix of land uses e.g. industrial land uses are apparent, but set within a relatively rural and sparse land. |
| 575 1 | Timicy Ofeen | 70% Neighbourhood Centre | The remainder of the zone contains residential development (Frimley Green) and local recreation and sports centres as well as schools. |
| 374 | Frimley & | 30% Suburban Area | The north-west of the zone (north of the A325) contains a large area of industrial buildings and Frimley Park Hospital. |
| 374 | Frimley Hospital | 70% Neighbourhood Centre | A large proportion of the zone contains residential developments and Frimley train station |
| 375 | Frimley Ridge & Heatherside | 100% Neighbourhood Centre | The entire zone is covered by residential development. |
| 377 (| Crawley Ridge | 100% Neighbourhood Centre | The entire zone is covered by residential development. |
| 523 | Bielow | 40% Neighbourhood Centre | Central to the zone is the residential area of Bisley. Recreation grounds and other local services provide for this area. |
| 525 | D151Cy | 60% Edge of Town | Perimeter of the zone is predominantly rural but contains few developments and industries. |

Table 3.1: Zones within the Borough of Surrey Heath classified and proportioned to TRICS locations

3.4 Additional Trips per Zone

- 3.4.1 *Tables 3.2* to 3.6 show the estimated number of additional departures and arrivals generated from the proposed development by zone during the AM peak hour (0800 0900) for Scenario A (approved development only), Scenario B (approved and non-approved development), Scenario C (approved and non-approved development plus the PRB site) and Scenario D (approved and non-approved development plus the PRB and DERA site). A base year of 2005 and a forecast year of 2026 were used.
- 3.4.2 The estimated number of additional trips in Surrey Heath are

| Scenario | Additional Departures | Additional Arrivals |
|----------|-----------------------|---------------------|
| А | 551 | 966 |
| В | 992 | 1,250 |
| С | 1,736 | 1,448 |
| D | 2,853 | 1,617 |

- 3.4.3 It should be noted that where developments are mixed between commercial and residential land uses and when it was not possible to split the additional trips between these two categories, the development was classified as either residential or commercial based on which land use generated the largest amount of additional trips. An example of this is the PRB development in Scenario C that is proposed to consist of both commercial and residential land uses. For the purpose of this assessment the PRB site was classified as a residential development as this generates the largest amount of additional trips.
- 3.4.4 *Table 3.2* presents the proportion of commercial and residential additional trips by scenario.

| | Proportion of Trips | | | | | | | |
|------------------------|---------------------|-------------|-------------------------------|--|--|--|--|--|
| Development Type | Departures | Arrivals | Both Departures & Arrivals | | | | | |
| | Scenario A | 2005 - 2026 | | | | | | |
| Commercial | 52% | 106% | 86% | | | | | |
| Residential | 48% | -6% | 14% | | | | | |
| Total | 100% | 100% | 100% | | | | | |
| | Scenario B | 2005 - 2026 | | | | | | |
| Commercial | 29% | 92% | 64% | | | | | |
| Residential | 71% | 8% | 36% | | | | | |
| Total | 100% | 100% | 100% | | | | | |
| | Scenario C | 2005 - 2026 | | | | | | |
| Commercial | 17% | 79% | 45% | | | | | |
| Residential | 83% | 21% | 55% | | | | | |
| Total | 100% | 100% | 100% | | | | | |
| Scenario D 2005 - 2026 | | | | | | | | |
| Commercial | 11% | 62% | 29% | | | | | |
| Residential | 89% | 38% | 71% | | | | | |
| Total | 100% | 100% | 100% | | | | | |

 Table 3.2: Proportion of additional trips by development type and scenario

3.4.5 The negative value in *Table 3.2* is due to changes in land use between the existing and proposed developments, resulting in an overall reduction in arrival trips being

generated from residential developments in Scenario A. However, the overall arrivals total for this scenario becomes positive when summed with the commercial arrival trips. This table illustrates that trips generated from both commercial and residential land uses are present in all scenarios.

- 3.4.6 The only difference between *Tables 3.4* (Scenario B) and *3.5* (Scenario C) is in zone 365 Deepcut & Mytchett, relating to the inclusion of the PRB development in Scenario C. The inclusion of the DERA development is the only difference between *Tables 3.5* (Scenario C) and *3.6* (Scenario D) which relates to the two Runnymede zones of 378 Virginia Water and 379 Ottershaw.
- 3.4.7 It is important to remember that the rows highlighted in grey in *Tables 3.3* to *3.6* relate to the two zones that are not within the borough of Surrey Heath but belong to the neighbouring borough of Runnymede. These zones have been included due to the DERA development being incorporated in Scenario D and the development being contained in the Runnymede zones of 378 Virginia Water and 379 Ottershaw.

| Zama | | Total Additional Trips | | | | | | | | |
|------|-----------------------------|------------------------|-----------------------|------|------|-------|---------------------|------|------|--|
| Zone | Zone Name | 1 | Additional Departures | | | | Additional Arrivals | | | |
| 190. | | Total | Car | LGV | HGV | Total | Car | LGV | HGV | |
| 362 | Bagshot | 85.3 | 77.8 | 6.3 | 1.1 | 23.8 | 20.5 | 2.5 | 0.8 | |
| 363 | Westend | 2.5 | 2.2 | 0.2 | 0.1 | 2.2 | 1.6 | 0.3 | 0.3 | |
| 364 | Chobham | 11.5 | 10.2 | 0.9 | 0.5 | 7.5 | 6.3 | 0.7 | 0.6 | |
| 365 | Deepcut & Mytchett | 5.8 | 5.1 | 0.5 | 0.2 | 13.9 | 11.0 | 1.9 | 1.0 | |
| 366 | Camberley | 42.4 | 36.7 | 3.8 | 1.9 | -9.8 | -10.8 | 0.0 | 1.1 | |
| 367 | Camberley Heath | 11.0 | 10.1 | 0.8 | 0.1 | 2.8 | 2.6 | 0.2 | 0.0 | |
| 368 | Collingwood College | 36.5 | 33.6 | 2.5 | 0.4 | 25.3 | 23.6 | 1.4 | 0.3 | |
| 369 | Lightwater | 9.9 | 9.1 | 0.7 | 0.1 | -5.6 | -5.3 | -0.3 | 0.0 | |
| 370 | Windlesham | 1.9 | 2.0 | 0.1 | -0.2 | 5.4 | 4.5 | 0.5 | 0.4 | |
| 371 | Riverside & Watchetts | 4.6 | 4.5 | 0.1 | -0.1 | 138.6 | 105.8 | 21.3 | 11.5 | |
| 372 | York Town | 263.4 | 206.6 | 33.4 | 23.3 | 622.2 | 477.5 | 83.5 | 61.2 | |
| 373 | Frimley Green | 18.5 | 17.0 | 1.3 | 0.2 | -1.2 | -1.1 | -0.1 | 0.0 | |
| 374 | Frimley & Frimley Hospital | 35.8 | 31.5 | 3.6 | 0.6 | 147.6 | 125.3 | 18.7 | 3.6 | |
| 375 | Frimley Ridge & Heatherside | 5.3 | 4.9 | 0.4 | 0.1 | 1.9 | 1.8 | 0.1 | 0.0 | |
| 377 | Crawley Ridge | 12.8 | 11.8 | 0.9 | 0.2 | -0.2 | -0.2 | 0.0 | 0.0 | |
| 378 | Virginia Water | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 379 | Ottershaw | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 523 | Bisley | 3.7 | 3.4 | 0.3 | 0.0 | -8.1 | -7.4 | -0.6 | -0.1 | |
| | | 551 | 467 | 56 | 28 | 966 | 756 | 130 | 81 | |

Table 3.3: Estimated additional departures and arrivals in the AM peak hour (0800 – 0900) in Scenario A for 2005 to 2026 by vehicle type

| 7 | | Total Additional Trips | | | | | | | |
|------|-----------------------------|------------------------|------------|-----------|------|-------|-----------|------------|------|
| Zone | Zone Name | 1 | Additional | Departure | s | | Additiona | l Arrivals | |
| 190. | | Total | Car | LGV | HGV | Total | Car | LGV | HGV |
| 362 | Bagshot | 202.4 | 185.6 | 14.5 | 2.3 | 63.5 | 57.0 | 5.3 | 1.2 |
| 363 | Westend | 13.5 | 12.3 | 1.0 | 0.2 | 5.6 | 4.7 | 0.5 | 0.3 |
| 364 | Chobham | 45.8 | 41.7 | 3.3 | 0.8 | 17.8 | 15.8 | 1.4 | 0.7 |
| 365 | Deepcut & Mytchett | 22.0 | 20.0 | 1.6 | 0.3 | 20.8 | 17.3 | 2.4 | 1.1 |
| 366 | Camberley | 59.6 | 52.5 | 5.0 | 2.1 | 112.5 | 97.1 | 12.6 | 2.8 |
| 367 | Camberley Heath | 33.2 | 30.5 | 2.3 | 0.3 | 11.8 | 10.9 | 0.8 | 0.1 |
| 368 | Collingwood College | 36.5 | 33.6 | 2.5 | 0.4 | 25.3 | 23.6 | 1.4 | 0.3 |
| 369 | Lightwater | 18.7 | 17.2 | 1.4 | 0.2 | -1.9 | -1.9 | -0.1 | 0.0 |
| 370 | Windlesham | 12.5 | 11.8 | 0.8 | -0.1 | 9.6 | 8.4 | 0.8 | 0.4 |
| 371 | Riverside & Watchetts | 90.8 | 83.9 | 6.2 | 0.8 | 174.5 | 138.8 | 23.8 | 11.9 |
| 372 | York Town | 320.0 | 258.8 | 37.4 | 23.9 | 646.1 | 499.5 | 85.1 | 61.5 |
| 373 | Frimley Green | 35.7 | 32.9 | 2.5 | 0.4 | 5.9 | 5.5 | 0.4 | 0.1 |
| 374 | Frimley & Frimley Hospital | 37.5 | 33.2 | 3.7 | 0.7 | 148.3 | 126.0 | 18.7 | 3.6 |
| 375 | Frimley Ridge & Heatherside | 9.5 | 8.7 | 0.7 | 0.1 | 3.6 | 3.3 | 0.3 | 0.0 |
| 377 | Crawley Ridge | 40.2 | 37.0 | 2.8 | 0.4 | 10.9 | 10.0 | 0.7 | 0.1 |
| 378 | Virginia Water | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 379 | Ottershaw | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 523 | Bisley | 14.3 | 13.1 | 1.0 | 0.1 | -4.7 | -4.3 | -0.3 | 0.0 |
| | | 992 | 873 | 86 | 33 | 1 250 | 1.012 | 154 | 84 |

Table 3.4: Estimated additional departures and arrivals in the AM peak hour (0800 – 0900) in Scenario B for 2005 to 2026 by vehicle type

| Zama | | Total Additional Trips | | | | | | | | |
|------|-----------------------------|------------------------|-----------------------|------|------|-------|---------------------|------|------|--|
| Zone | Zone Name | 1 | Additional Departures | | | | Additional Arrivals | | | |
| 190. | | Total | Car | LGV | HGV | Total | Car | LGV | HGV | |
| 362 | Bagshot | 202.4 | 185.6 | 14.5 | 2.3 | 63.5 | 57.0 | 5.3 | 1.2 | |
| 363 | Westend | 13.5 | 12.3 | 1.0 | 0.2 | 5.6 | 4.7 | 0.5 | 0.3 | |
| 364 | Chobham | 45.8 | 41.7 | 3.3 | 0.8 | 17.8 | 15.8 | 1.4 | 0.7 | |
| 365 | Deepcut & Mytchett | 765.2 | 707.0 | 47.9 | 10.3 | 219.4 | 200.9 | 14.7 | 3.7 | |
| 366 | Camberley | 59.6 | 52.5 | 5.0 | 2.1 | 112.5 | 97.1 | 12.6 | 2.8 | |
| 367 | Camberley Heath | 33.2 | 30.5 | 2.3 | 0.3 | 11.8 | 10.9 | 0.8 | 0.1 | |
| 368 | Collingwood College | 36.5 | 33.6 | 2.5 | 0.4 | 25.3 | 23.6 | 1.4 | 0.3 | |
| 369 | Lightwater | 18.7 | 17.2 | 1.4 | 0.2 | -1.9 | -1.9 | -0.1 | 0.0 | |
| 370 | Windlesham | 12.5 | 11.8 | 0.8 | -0.1 | 9.6 | 8.4 | 0.8 | 0.4 | |
| 371 | Riverside & Watchetts | 90.8 | 83.9 | 6.2 | 0.8 | 174.5 | 138.8 | 23.8 | 11.9 | |
| 372 | York Town | 320.0 | 258.8 | 37.4 | 23.9 | 646.1 | 499.5 | 85.1 | 61.5 | |
| 373 | Frimley Green | 35.7 | 32.9 | 2.5 | 0.4 | 5.9 | 5.5 | 0.4 | 0.1 | |
| 374 | Frimley & Frimley Hospital | 37.5 | 33.2 | 3.7 | 0.7 | 148.3 | 126.0 | 18.7 | 3.6 | |
| 375 | Frimley Ridge & Heatherside | 9.5 | 8.7 | 0.7 | 0.1 | 3.6 | 3.3 | 0.3 | 0.0 | |
| 377 | Crawley Ridge | 40.2 | 37.0 | 2.8 | 0.4 | 10.9 | 10.0 | 0.7 | 0.1 | |
| 378 | Virginia Water | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 379 | Ottershaw | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 523 | Bisley | 14.3 | 13.1 | 1.0 | 0.1 | -4.7 | -4.3 | -0.3 | 0.0 | |
| | | 1,736 | 1,560 | 133 | 43 | 1,448 | 1,195 | 166 | 87 | |

Table 3.5: Estimated additional departures and arrivals in the AM peak hour (0800 – 0900) in Scenario C for 2005 to 2026 by vehicle type

| | | | | , | Fotal Addi | tional Trip | S | | |
|------|-----------------------------|--------|------------|-----------|------------|-------------|-----------|------------|------|
| Zone | Zone Name | I | Additional | Departure | S | | Additiona | l Arrivals | |
| 190. | | Total | Car | LGV | HGV | Total | Car | LGV | HGV |
| 362 | Bagshot | 202.4 | 185.6 | 14.5 | 2.3 | 63.5 | 57.0 | 5.3 | 1.2 |
| 363 | Westend | 13.5 | 12.3 | 1.0 | 0.2 | 5.6 | 4.7 | 0.5 | 0.3 |
| 364 | Chobham | 45.8 | 41.7 | 3.3 | 0.8 | 17.8 | 15.8 | 1.4 | 0.7 |
| 365 | Deepcut & Mytchett | 765.2 | 707.0 | 47.9 | 10.3 | 219.4 | 200.9 | 14.7 | 3.7 |
| 366 | Camberley | 59.6 | 52.5 | 5.0 | 2.1 | 112.5 | 97.1 | 12.6 | 2.8 |
| 367 | Camberley Heath | 33.2 | 30.5 | 2.3 | 0.3 | 11.8 | 10.9 | 0.8 | 0.1 |
| 368 | Collingwood College | 36.5 | 33.6 | 2.5 | 0.4 | 25.3 | 23.6 | 1.4 | 0.3 |
| 369 | Lightwater | 18.7 | 17.2 | 1.4 | 0.2 | -1.9 | -1.9 | -0.1 | 0.0 |
| 370 | Windlesham | 12.5 | 11.8 | 0.8 | -0.1 | 9.6 | 8.4 | 0.8 | 0.4 |
| 371 | Riverside & Watchetts | 90.8 | 83.9 | 6.2 | 0.8 | 174.5 | 138.8 | 23.8 | 11.9 |
| 372 | York Town | 320.0 | 258.8 | 37.4 | 23.9 | 646.1 | 499.5 | 85.1 | 61.5 |
| 373 | Frimley Green | 35.7 | 32.9 | 2.5 | 0.4 | 5.9 | 5.5 | 0.4 | 0.1 |
| 374 | Frimley & Frimley Hospital | 37.5 | 33.2 | 3.7 | 0.7 | 148.3 | 126.0 | 18.7 | 3.6 |
| 375 | Frimley Ridge & Heatherside | 9.5 | 8.7 | 0.7 | 0.1 | 3.6 | 3.3 | 0.3 | 0.0 |
| 377 | Crawley Ridge | 40.2 | 37.0 | 2.8 | 0.4 | 10.9 | 10.0 | 0.7 | 0.1 |
| 378 | Virginia Water | 92.0 | 85.5 | 5.7 | 0.8 | -126.8 | -121.7 | -4.5 | -0.6 |
| 379 | Ottershaw | 1025.8 | 943.9 | 71.4 | 10.5 | 295.6 | 272.0 | 20.6 | 3.0 |
| 523 | Bisley | 14.3 | 13.1 | 1.0 | 0.1 | -4.7 | -4.3 | -0.3 | 0.0 |
| | | 2.853 | 2 589 | 210 | 54 | 1 617 | 1 346 | 182 | 89 |

Table 3.6: Estimated additional departures and arrivals in the AM peak hour (0800 - 0900) in Scenario D for 2005 to 2026 by vehicle type

- 3.4.8 *Figures 3.1* to *3.8* show the disposition of additional trips generated by SHBC's planning data for both commercial and residential developments for all zones within Surrey Heath. The additional trips are shown in percentage terms using pie charts. The areas of the pie charts are scaled to the zone containing the largest amount of additional trips. The plots are separated to show both departure and arrival trips. Separate plots are also provided for all four scenarios: 2026 Scenario A, B, C and D respectively.
- 3.4.9 *Figures 3.1* to *3.8* graphically display the information given in *Table 3.2* (proportion of arrivals and departures) on a zonal basis, for all zones within the borough of Surrey Heath. These plots are pictorial representations of the locations of where the additional trips generated by the planning data are to be located.
- 3.4.10 A strategic transport model operates on a zonal basis. Therefore it is not possible to allocate additional trips to specific links, but instead allocate trips to start or terminate to a central point within a zone. These central points are known as zone centroids (shown as asterisks along with the zone numbers in the figures), the zone centroids are connected to the modelled highway network via centroid connectors (light green links between the centroid and modelled network). Due to centroids being located in a central point in a zone, *Figures 3.1* to *3.8* show the pie for each zone located in a similar position to the centroid.
- 3.4.11 It should be noted that it was thought necessary to add an additional centroid connector for zone 365 Deepcut & Mytchett. This is due to the entire PRB development being contained within a single zone, zone 365. To make the strategic model representative an additional point for the traffic to access the network in this zone was added to allow the distribution of traffic to be more accurate. However it

is important to note that this additional centroid connector is only included in zone 365 in the scenarios where the PRB development is present, Scenarios C and D.

- 3.4.12 *Figures 3.1* to *3.4* indicate that in Scenario A and B, residential developments generally generate a larger amount of additional departure trips than additional arrival trips in the AM peak hour. However, commercial developments generally generate a larger amount of additional arrival trips than additional departure trips in the AM peak hour. In a few zones, 100% of arrival trips are generated by commercial developments, for instance this occurs in zones 372 York Town and 371 Riverside & Watchetts in Scenario A and in zones 372 York Town and 366 Camberley in Scenario B.
- 3.4.13 *Figures 3.5* and *3.6* display the disposition of additional trips generated by developments in Scenario C. *Figures 3.5* and *3.6 (Scenario C)* are almost identical to *Figures 3.3* and *3.4* (Scenario B) apart from an increase in both arrival and departure trips in zone 365 Deepcut & Mytchett. This increase in trips in zone 365 is purely related to the PRB development being incorporated in Scenario C. In Scenario C the largest amount of additional departure trips is generated from zone 365 i.e. the PRB development. Even though there is an increase in the additional amount of arrival trips in zone 365, it is not the zone with the largest amount of additional arrival trips in Scenario C, zone 372 York Town is.
- 3.4.14 The figures for Scenario D, *Figure 3.7* and *3.8*, are almost the same as Scenario C apart from additional trips being generated in the Runnymede zones, 378 Virginia Water and 379 Ottershaw, purely related to the DERA development. Zone 379 generates the largest amount of the departure trips in Scenario D and 100% of these trips are generated by residential developments.
- 3.4.15 The general trend shown by *Figures 3.1* to *3.8* is that residential developments generate the majority of additional departure trips and commercial developments generate the majority of additional arrival trips, in the AM peak hour. This trend is to be expected as most people depart (originate) from their place of residence in the AM peak hour and arrive (destined) at their place of work.
- 3.4.16 *Figures 3.1* to *3.8* indicate that in Scenario A and B the zone to generate the largest amount of additional departure and arrival trips is zone 372, York Town. In Scenario C the zones to generate the largest amount of additional departure and arrival trips is zones 372 York Town and 365 Deepcut & Mytchett. In Scenario D the zones generating the largest amount of additional departure and arrival trips is zone 379 Ottershaw (Runnymede Borough Council zone), 372 York Town and 365 Deepcut & Mytchett.



Figure 3.1: 2026 Scenario A disposition of development growth by departures (*see Para 3.4.8 onwards for explanation of figure*)



Figure 3.2: 2026 Scenario A disposition of development growth by arrivals (see Para 3.4.8 onwards for explanation of figure)



Figure 3.3: 2026 Scenario B disposition of development growth by departures (*see Para 3.4.8 onwards for explanation of figure*)



Figure 3.4: 2026 Scenario B disposition of development growth by arrivals (see Para 3.4.8 onwards for explanation of figure)



Figure 3.5: 2026 Scenario C disposition of development growth by departures (see Para 3.4.8 onwards for explanation of figure)



Figure 3.6: 2026 Scenario C disposition of development growth by arrivals (see Para 3.4.8 onwards for explanation of figure)



Figure 3.7: 2026 Scenario D disposition of development growth by departures (*see Para 3.4.8 onwards for explanation of figure*)



Figure 3.8: 2026 Scenario C disposition of development growth by arrivals (see Para 3.4.8 onwards for explanation of figure)

- 3.4.17 Trip ends are the total number of trips that either have an origin (origin trip ends) or destination (destination trip ends) within the defined modelled zone.
- 3.4.18 The model base year is 2005. Trip ends from the 2005 matrix (reference 2005_SH, a derivative of SINTRAM Ref 2005_RB_MV_GU_WK) were extracted from zones within the borough of Surrey Heath. These were combined with the DfT's TEMPRO forecast of growth factors for the "background growth" (e.g. changes in demographics and car ownership) between 2005 and 2026 in the borough of Surrey Heath. Areas outside of the study area were factored to 2026 forecast levels. This resulted in the creation of the 2026 Do-Minimum matrix.
- 3.4.19 2026 forecast matrices were created using the Surrey Heath 2026 Do-Minimum matrix and combining this matrix with the new estimated trip ends generated from SHBC's planning data (see *Tables 3.3* to *3.6*). The development trip ends were distributed using a growth factor method. This process was initially performed for Scenario A and again for Scenarios B, C and D. However, to create Scenario B, Scenario A was used as the starting point instead of the Do-Minimum (refer to *Section 4* for more detail) and to create Scenario C and D, Scenarios B and C respectively were used as the starting points. The creation of multiple scenarios enables comparisons and reference cases to be used, providing the results with more relevance. The 2026 Do-Minimum acts as a reference case for Scenario A, Scenario C and Scenario C as a reference case for Scenario D.
- 3.4.20 *Tables 3.7* and *3.8* display trip ends for the 2005 base, the 2026 Do-Minimum and the four test scenarios (2026 Scenario A, B, C and D).
- 3.4.21 Due to a growth factor method being used to combine the new trip ends produced from SHBC's planning data with the 2026 Do-Minimum, extra growth is caused to occur as well as the additional trip ends. These differences can be seen from comparing *Tables 3.3* to *3.6* with *3.7* and *3.8*. Therefore the growth factor method allows a more representative method of forecasting.
- 3.4.22 Rows highlighted in grey relate to the two Runnymede zones (378 Virginia Water and 379 Ottershaw). These Runnymede zones have only been included due to the DERA development being located within these zones in Scenario D.

| Zone No. | 2005 | 2026 Do- Minimum | 2026 Scenario A | 2026 Scenario B | 2026 Scenario C | 2026 Scenario D | Do-Min - 2005 | Scen A – Do-Min | Scen B – Scen A | Scen C - Scen B | Scen D – Scen C |
|-------------|--------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|--------------------|--------------------|--------------------|--------------------|
| 362 | 754 | 732 | 830 | 954 | 957 | 957 | -22 | 98 | 124 | 3 | 0 |
| 363 | 548 | 531 | 542 | 557 | 559 | 558 | -17 | 11 | 15 | 2 | -1 |
| 364 | 527 | 517 | 536 | 574 | 576 | 576 | -10 | 19 | 38 | 2 | 0 |
| 365 | 2690 | 2627 | 2668 | 2703 | 3460 | 3460 | -63 | 41 | 35 | 757 | 0 |
| 366 | 451 | 441 | 490 | 511 | 513 | 513 | -10 | 49 | 21 | 2 | 0 |
| 367 | 745 | 728 | 749 | 777 | 780 | 781 | -17 | 21 | 28 | 3 | 1 |
| 368 | 493 | 481 | 525 | 529 | 531 | 531 | -12 | 44 | 4 | 2 | 0 |
| 369 | 960 | 914 | 937 | 953 | 956 | 956 | -46 | 23 | 16 | 3 | 0 |
| 370 | 514 | 499 | 508 | 521 | 523 | 522 | -15 | 9 | 13 | 2 | -1 |
| 371 | 529 | 516 | 529 | 620 | 623 | 623 | -13 | 13 | 91 | 3 | 0 |
| 372 | 622 | 608 | 884 | 948 | 951 | 951 | -14 | 276 | 64 | 3 | 0 |
| 373 | 1035 | 1012 | 1045 | 1070 | 1074 | 1074 | -23 | 33 | 25 | 4 | 0 |
| 374 | 771 | 753 | 801 | 808 | 811 | 813 | -18 | 48 | 7 | 3 | 2 |
| 375 | 690 | 675 | 691 | 699 | 701 | 701 | -15 | 16 | 8 | 2 | 0 |
| 377 | 894 | 873 | 897 | 932 | 936 | 936 | -21 | 24 | 35 | 4 | 0 |
| 378 | 552 | 646 | 646 | 646 | 646 | 739 | 94 | 0 | 0 | 0 | 93 |
| 379 | 956 | 1089 | 1092 | 1093 | 1093 | 2119 | 133 | 3 | 1 | 0 | 1026 |
| 523 | 1117 | 1284 | 1305 | 1324 | 1331 | 1331 | 167 | 21 | 19 | 7 | 0 |
| | 14,848 | 14,926 | 15.675 | 16,219 | 17,021 | 18.141 | 78 | 749 | 544 | 802 | 1,120 |

Table 3.7: 2026 AM peak (0800 – 0900) origin trip ends for all vehicle types and all forecast scenarios

| Zone No. | 2005 | 2026 Do- Minimum | 2026 Scenario A | 2026 Scenario B | 2026 Scenario C | 2026 Scenario D | Do-Min - 2005 | Scen A – Do-Min | Scen B – Scen A | Scen C - Scen B | Scen D – Scen C |
|-------------|--------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|--------------------|--------------------|--------------------|--------------------|
| 362 | 453 | 454 | 481 | 524 | 529 | 551 | 1 | 27 | 43 | 5 | 22 |
| 363 | 190 | 190 | 194 | 199 | 200 | 200 | 0 | 4 | 5 | 1 | 0 |
| 364 | 534 | 535 | 542 | 552 | 552 | 552 | 1 | 7 | 10 | 0 | 0 |
| 365 | 1084 | 1084 | 1111 | 1126 | 1343 | 1343 | 0 | 27 | 15 | 217 | 0 |
| 366 | 615 | 616 | 616 | 748 | 764 | 775 | 1 | 0 | 132 | 16 | 11 |
| 367 | 752 | 755 | 764 | 778 | 786 | 786 | 3 | 9 | 14 | 8 | 0 |
| 368 | 623 | 626 | 657 | 660 | 667 | 684 | 3 | 31 | 3 | 7 | 17 |
| 369 | 152 | 151 | 147 | 151 | 151 | 151 | -1 | -4 | 4 | 0 | 0 |
| 370 | 223 | 221 | 231 | 238 | 243 | 245 | -2 | 10 | 7 | 5 | 2 |
| 371 | 588 | 589 | 753 | 808 | 842 | 842 | 1 | 164 | 55 | 34 | 0 |
| 372 | 495 | 496 | 1121 | 1145 | 1146 | 1147 | 1 | 625 | 24 | 1 | 1 |
| 373 | 911 | 915 | 930 | 952 | 972 | 973 | 4 | 15 | 22 | 20 | 1 |
| 374 | 1021 | 1024 | 1207 | 1238 | 1288 | 1288 | 3 | 183 | 31 | 50 | 0 |
| 375 | 714 | 716 | 727 | 736 | 747 | 747 | 2 | 11 | 9 | 11 | 0 |
| 377 | 906 | 909 | 930 | 959 | 986 | 995 | 3 | 21 | 29 | 27 | 9 |
| 378 | 337 | 396 | 396 | 397 | 397 | 272 | 59 | 0 | 1 | 0 | -125 |
| 379 | 947 | 1121 | 1121 | 1121 | 1121 | 1418 | 174 | 0 | 0 | 0 | 297 |
| 523 | 339 | 402 | 401 | 408 | 417 | 417 | 63 | -1 | 7 | 9 | 0 |
| | 10.884 | 11 200 | 12 329 | 12 740 | 13 151 | 13 386 | 316 | 1 1 2 9 | 411 | 411 | 235 |

Table 3.8: 2026 AM peak (0800 - 0900) destination trip ends for all vehicle types and all forecast scenarios

4 FORECAST MATRICES

4.1 Do-Minimum Forecast

- 4.1.1 In order to assess the effects of the additional commercial and residential developments provided by SHBC in the forecast year of 2026, it is useful to have a reference case, which for this assessment is provided by the 2026 Do-Minimum.
- 4.1.2 The 2026 Do-Minimum highway network includes the highway alteration of the Highways Agency's Hindhead Improvement Scheme. The Hindhead Improvement Scheme is currently under construction but is planned to be open to traffic in mid 2011 (Highways Agency, 2009). The main outcome of the scheme will convert the current single carriageway section of the A3, between the Thursley Junction and Hammer Lane, to dual carriageway. Therefore the Hindhead Improvement Scheme has been incorporated into the 2026 network for the purpose of creating realistic future traffic flows and interactions. Highways Agency documents showing the locations of key highway alterations were used to incorporate the scheme in the modelled network. Therefore the only difference between the 2005 and 2026 network is the Hindhead Improvement Scheme.
- 4.1.3 The 2026 Do-Minimum trip matrix includes background growth between the base year (2005) and the forecast year (2026) for the Surrey Heath borough trips only (internal, internal to external and external to internal trips). Growth factors to create the background growth were sourced from the DfT's TEMPRO database (V5.4). All other external trips in the matrix grow at rates forecast by TEMPRO from 2005 to 2026. The distribution of these 2026 trip ends was completed using the 'furness' method to balance the matrix row and column totals.
- 4.1.4 This allows a comparison between the 2026 Do-Minimum and the 2005 base to show the impact of growth in traffic from the "Rest of Britain," while growth within the borough is constrained to represent background growth only.
- 4.1.5 The ratio difference in trips, in the borough of Surrey Heath, between the 2005 base matrix and the 2026 Do-Minimum matrix is 0.989 for origin trips and 1.009 for destination trips. This is a minimal amount and justifies the reasoning for deciding not to include background growth in the trip rates extracted from the TRICS database for SHBC's planning data.

4.2 2026 Do-Something Forecasts

4.2.1 Forecast matrices for Scenarios A, B, C and D were obtained following the procedure outlined in *Figure 4.1*. The Hindhead Improvement Scheme was incorporated in the network used for all scenarios.



Figure 4.1: Processes undertaken to create the forecast matrix for Scenario A

N.B. The same process was used to create Scenario B but using Scenario A as the starting point, instead of the Do-Minimum. To create Scenario C, Scenario B was used as the starting point and to create Scenario D, Scenario C was used as the starting point.

- 4.2.2 The trip ends in the Surrey Heath zones are smoothed in the 2026 Do-Minimum matrix to allow the new trip ends to follow a more representative distribution. A smoothed distribution refers to the origin and destination trip ends being averaged for a selected area (i.e. the borough of Surrey Heath).
- 4.2.3 The new trip ends derived from SHBC's planning data follows this smoothed distribution but has been added to the original raw distribution of the SINTRAM model. Raw distribution is lumpy but validates well in terms of link flows. Combining the two types of distribution enables a more robust forecast.
- 4.2.4 The 2005 base matrix travel demand total for the AM peak hour (0800 0900) is 1,781,589 trips. *Table 4.1* shows the matrix totals and absolute and percentage differences between the modelled 2026 future scenarios and the base year.

| Scenario | Borough Internal Trips | Absolute Difference (Base) | Percentage Difference (Base) | Matrix Total | Absolute Difference (Base) | Percentage Difference (Base) |
|-----------------|------------------------------|----------------------------------|------------------------------------|-----------------|----------------------------------|------------------------------------|
| 2005 | 3,880 | | | 1,781,589 | | |
| 2026 Do-Minimum | 3,667 | -213 | -5.5% | 2,099,129 | 317,540 | 17.8% |
| 2026 Scenario A | 4,013 | 134 | 3.4% | 2,100,653 | 319,064 | 17.9% |
| 2026 Scenario B | 4,233 | 354 | 9.1% | 2,101,381 | 319,792 | 17.9% |
| 2026 Scenario C | 4,504 | 625 | 16.1% | 2,102,325 | 320,736 | 18.0% |
| 2026 Scenario D | 4,504 | 625 | 16.1% | 2,103,612 | 322,023 | 18.1% |

Table 4.1: AM Peak aggregated matrix totals

4.2.5 *Tables 4.2* to 4.7 show the aggregated Car, LGV and HGV matrices for each modelled scenario. The matrices have been further aggregated into 7 sectors covering geographic areas of each borough or district of Surrey, neighbouring counties and London boroughs and other areas of the country.

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|---------|------------------|------------------|--------------------|-----------|
| Surrey Heath | 3,880 | 629 | 1,954 | 1,614 | 447 | 4,792 | 16 | 13,332 |
| East Surrey | 393 | 18,663 | 6,691 | 15,968 | 7,634 | 2,163 | 13 | 51,525 |
| West Surrey | 1,536 | 5,758 | 23,917 | 7,845 | 3,826 | 15,607 | 36 | 58,525 |
| London | 171 | 14,022 | 4,546 | 320,021 | 9,786 | 18,782 | 11,164 | 378,493 |
| Kent / Sussex | 47 | 6,076 | 3,157 | 13,869 | 199,981 | 7,957 | 192 | 231,279 |
| Home Counties | 3,564 | 1,327 | 10,083 | 25,766 | 9,177 | 339,860 | 41,073 | 430,850 |
| Rest of Britain | 2 | 46 | 332 | 16,898 | 708 | 44,308 | 555,291 | 617,585 |
| {All} | 9,592 | 46,522 | 50,680 | 401,981 | 231,558 | 433,469 | 607,787 | 1,781,589 |

 Table 4.2: 2005 base aggregated matrix totals (7 sectors)

Note:

Surrey Heath Intra Borough AM Trips = 3,880External to Borough Trips = 9,592 - 3,880 = 5,712Borough to External Trips = 13,332 - 3,880 = 9,452Total (All) = 1,781,589

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|---------|------------------|------------------|--------------------|-----------|
| Surrey Heath | 3,667 | 699 | 2,096 | 1,476 | 434 | 4,793 | 15 | 13,180 |
| East Surrey | 422 | 23,952 | 7,805 | 17,901 | 8,851 | 2,527 | 14 | 61,471 |
| West Surrey | 1,638 | 7,231 | 27,978 | 8,442 | 4,244 | 17,568 | 38 | 67,139 |
| London | 199 | 18,887 | 5,601 | 384,816 | 11,935 | 23,179 | 13,820 | 458,437 |
| Kent / Sussex | 48 | 8,019 | 3,726 | 15,749 | 235,732 | 9,109 | 193 | 272,577 |
| Home Counties | 3,702 | 1,661 | 12,207 | 28,412 | 10,804 | 401,062 | 49,757 | 507,605 |
| Rest of Britain | 2 | 68 | 507 | 19,041 | 917 | 53,207 | 644,977 | 718,719 |
| {All} | 9,678 | 60,517 | 59,919 | 475,836 | 272,918 | 511,447 | 708,814 | 2,099,129 |

 Table 4.3: 2026 Do-Minimum aggregated matrix totals (7 sectors)

Note:

Surrey Heath Intra Borough AM Trips = 3,667External to Borough Trips = 9,678 - 3,667 = 6,011Borough to External Trips = 13,180 - 3,667 = 9,513Total (All) = 2,099,129

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|---------|------------------|------------------|--------------------|-----------|
| Surrey Heath | 4,013 | 729 | 2,185 | 1,539 | 452 | 4,993 | 16 | 13,926 |
| East Surrey | 478 | 23,952 | 7,805 | 17,901 | 8,851 | 2,527 | 14 | 61,528 |
| West Surrey | 1,849 | 7,231 | 27,978 | 8,442 | 4,244 | 17,569 | 38 | 67,349 |
| London | 225 | 18,887 | 5,601 | 384,816 | 11,935 | 23,179 | 13,820 | 458,463 |
| Kent / Sussex | 56 | 8,019 | 3,726 | 15,749 | 235,732 | 9,109 | 193 | 272,584 |
| Home Counties | 4,180 | 1,661 | 12,207 | 28,412 | 10,804 | 401,062 | 49,757 | 508,083 |
| Rest of Britain | 2 | 68 | 507 | 19,041 | 917 | 53,207 | 644,977 | 718,719 |
| {All} | 10,803 | 60,547 | 60,008 | 475,899 | 272,935 | 511,647 | 708,815 | 2,100,653 |

 Table 4.4: 2026 Scenario A aggregated matrix totals (7 sectors)

Note:

Surrey Heath Intra Borough AM Trips = 4,013External to Borough Trips = 10,803 - 4,013 = 6,790Borough to External Trips = 13,926 - 4,013 = 9,913Total (All) = 2,100,653

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|---------|------------------|------------------|--------------------|-----------|
| Surrey Heath | 4,233 | 754 | 2,257 | 1,590 | 465 | 5,150 | 16 | 14,465 |
| East Surrey | 492 | 23,952 | 7,805 | 17,901 | 8,851 | 2,527 | 14 | 61,541 |
| West Surrey | 1,901 | 7,231 | 27,978 | 8,442 | 4,244 | 17,569 | 38 | 67,401 |
| London | 231 | 18,887 | 5,601 | 384,816 | 11,935 | 23,179 | 13,820 | 458,470 |
| Kent / Sussex | 57 | 8,019 | 3,726 | 15,749 | 235,732 | 9,109 | 193 | 272,585 |
| Home Counties | 4,296 | 1,661 | 12,207 | 28,412 | 10,804 | 401,062 | 49,757 | 508,199 |
| Rest of Britain | 2 | 68 | 507 | 19,041 | 917 | 53,207 | 644,977 | 718,719 |
| {All} | 11,211 | 60,571 | 60,080 | 475,950 | 272,948 | 511,804 | 708,815 | 2,101,381 |

Table 4.5: 2026 Scenario B aggregated matrix totals (7 sectors)

Note:

Surrey Heath Intra Borough AM Trips = 4,233External to Borough Trips = 11,211 - 4,233 = 6,978Borough to External Trips = 14,465 - 4,233 = 10,232Total (All) = 2,101,381

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|---------|------------------|------------------|--------------------|-----------|
| Surrey Heath | 4,504 | 795 | 2,377 | 1,677 | 486 | 5,413 | 17 | 15,269 |
| East Surrey | 502 | 23,952 | 7,805 | 17,901 | 8,851 | 2,527 | 14 | 61,551 |
| West Surrey | 1,939 | 7,231 | 27,978 | 8,442 | 4,244 | 17,569 | 38 | 67,439 |
| London | 236 | 18,887 | 5,601 | 384,816 | 11,935 | 23,179 | 13,820 | 458,474 |
| Kent / Sussex | 57 | 8,019 | 3,726 | 15,749 | 235,732 | 9,109 | 193 | 272,586 |
| Home Counties | 4,383 | 1,661 | 12,207 | 28,412 | 10,804 | 401,062 | 49,757 | 508,286 |
| Rest of Britain | 2 | 68 | 507 | 19,041 | 917 | 53,207 | 644,978 | 718,720 |
| {All} | 11,623 | 60,612 | 60,200 | 476,037 | 272,970 | 512,067 | 708,816 | 2,102,325 |

 Table 4.6: 2026 Scenario C aggregated matrix totals (7 sectors)

Note:

Surrey Heath Intra Borough AM Trips = 4,504External to Borough Trips = 11,623 - 4,504 = 7,119Borough to External Trips = 15,269 - 4,504 = 10,765Total (All) = 2,102,325

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|---------|------------------|------------------|--------------------|-----------|
| Surrey Heath | 4,504 | 795 | 2,379 | 1,677 | 486 | 5,413 | 17 | 15,271 |
| East Surrey | 502 | 23,952 | 7,852 | 17,901 | 8,851 | 2,527 | 14 | 61,598 |
| West Surrey | 2,001 | 7,320 | 28,251 | 8,644 | 4,337 | 17,941 | 38 | 68,532 |
| London | 236 | 18,887 | 5,651 | 384,816 | 11,935 | 23,179 | 13,820 | 458,524 |
| Kent / Sussex | 57 | 8,019 | 3,743 | 15,749 | 235,732 | 9,109 | 193 | 272,604 |
| Home Counties | 4,383 | 1,661 | 12,282 | 28,412 | 10,804 | 401,062 | 49,757 | 508,362 |
| Rest of Britain | 2 | 68 | 507 | 19,041 | 917 | 53,207 | 644,978 | 718,720 |
| {All} | 11,685 | 60,701 | 60,667 | 476,239 | 273,063 | 512,440 | 708,817 | 2,103,612 |

Table 4.7: 2026 Scenario D aggregated matrix totals (7 sectors)

Note:

Surrey Heath Intra Borough AM Trips = 4,504External to Borough Trips = 11,685 - 4,504 = 7,181Borough to External Trips = 15,271 - 4,504 = 10,767Total (All) = 2,103,612

4.3 Motorway Select Link Matrices

- 4.3.1 The impact of the new commercial and residential developments on the motorways was investigated by undertaking "select link" analyses of the strategic links of interest to the borough of Surrey Heath. The analysis uses the SINTRAM model to reveal origins and destinations of all traffic using a particular link or selection of links. These results have been tabulated below in terms of summary tables (matrices) showing these movements from and to the borough of Surrey Heath and neighbouring geographical regions.
- 4.3.2 The analysis was carried out on the two areas of the strategic road network surrounding the borough of Surrey Heath: the M3 and M25. Within the M3 Junctions 1 to 4 were analysed (Junctions 1 to 2, Junctions 2 to 3 and Junctions 3 to 4). Within the M25 Junctions 11 to 13 were analysed (Junction 11 to 12 and Junction 12 to 13).
- 4.3.3 *Tables 4.8.*to *4.37* show the aggregated Car, LGV and HGV matrices for traffic either originating from or destined to the borough of Surrey Heath in the AM peak hour using the surrounding strategic road network. Select link analyses are presented for each future scenario as well as the 2005 base and 2026 Do-Minimum.



Figure 4.2: Location of motorway select link analysis

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 43 | 13 | 455 | 45 | 0 | 0 | 556 |
| East Surrey | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| West Surrey | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| London | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 65 |
| Kent / Sussex | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Home Counties | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rest of Britain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| {All} | 82 | 43 | 13 | 455 | 45 | 0 | 0 | 638 |

Select Link Analysis: M3 between Junctions 1 and 2

Table 4.8: 2005 base, select link analysis of M3 Junctions 1 - 2

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 82 - 0 = 82Borough to External Trips = 556 - 0 = 556Total (All) = 638

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 46 | 11 | 422 | 15 | 0 | 0 | 494 |
| East Surrey | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| West Surrey | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| London | 71 | 0 | 0 | 0 | 0 | 0 | 0 | 71 |
| Kent / Sussex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Home Counties | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Rest of Britain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| {All} | 86 | 46 | 11 | 422 | 15 | 0 | 0 | 580 |

Table 4.9: 2026 Do-Minimum, select link analysis of M3 Junctions 1 - 2

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 86 - 0 = 86Borough to External Trips = 494 - 0 = 494Total (All) = 580

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 52 | 12 | 452 | 15 | 0 | 0 | 532 |
| East Surrey | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| West Surrey | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| London | 83 | 0 | 0 | 0 | 0 | 0 | 0 | 83 |
| Kent / Sussex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Home Counties | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| Rest of Britain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| {All} | 104 | 52 | 12 | 452 | 15 | 0 | 0 | 635 |

Table 4.10: 2026 Scenario A, select link analysis of M3 Junctions 1 - 2

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 104 - 0 = 104Borough to External Trips = 532 - 0 = 532Total (All) = 635

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 49 | 13 | 468 | 16 | 0 | 0 | 546 |
| East Surrey | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| West Surrey | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| London | 83 | 0 | 0 | 0 | 0 | 0 | 0 | 83 |
| Kent / Sussex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Home Counties | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| Rest of Britain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| {All} | 105 | 49 | 13 | 468 | 16 | 0 | 0 | 651 |

Table 4.11: 2026 Scenario B, select link analysis of M3 Junctions 1 - 2

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 105 - 0 = 105Borough to External Trips = 546 - 0 = 546Total (All) = 651

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 50 | 15 | 448 | 18 | 0 | 0 | 531 |
| East Surrey | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| West Surrey | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| London | 119 | 0 | 0 | 0 | 0 | 0 | 0 | 119 |
| Kent / Sussex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Home Counties | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Rest of Britain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| {All} | 150 | 50 | 15 | 448 | 18 | 0 | 0 | 681 |

Table 4.12: 2026 Scenario C, select link analysis of M3 Junctions 1 – 2

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 150 - 0 = 150Borough to External Trips = 531 - 0 = 531Total (All) = 681

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 55 | 14 | 454 | 18 | 0 | 0 | 542 |
| East Surrey | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 29 |
| West Surrey | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| London | 120 | 0 | 0 | 0 | 0 | 0 | 0 | 120 |
| Kent / Sussex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Home Counties | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Rest of Britain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| {All} | 154 | 55 | 14 | 454 | 18 | 0 | 0 | 695 |

Table 4.13: 2026 Scenario D, select link analysis of M3 Junctions 1 - 2

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 154 - 0 = 154Borough to External Trips = 542 - 0 = 542Total (All) = 695

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 111 | 33 | 879 | 360 | 23 | 1 | 1,405 |
| East Surrey | 118 | 0 | 0 | 0 | 0 | 0 | 0 | 118 |
| West Surrey | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| London | 127 | 0 | 0 | 0 | 0 | 0 | 0 | 127 |
| Kent / Sussex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Home Counties | 117 | 0 | 0 | 0 | 0 | 0 | 0 | 117 |
| Rest of Britain | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| {All} | 390 | 111 | 33 | 879 | 360 | 23 | 1 | 1,795 |

Select Link Analysis: M3 between Junctions 2 and 3

Table 4.14: 2005 base, select link analysis of M3 Junctions 2 - 3

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 390 - 0 = 390Borough to External Trips = 1,405 - 0 = 1,405Total (All) = 1,795

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 136 | 24 | 860 | 389 | 27 | 1 | 1,436 |
| East Surrey | 116 | 0 | 0 | 0 | 0 | 0 | 0 | 116 |
| West Surrey | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| London | 148 | 0 | 0 | 0 | 0 | 0 | 0 | 148 |
| Kent / Sussex | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Home Counties | 142 | 0 | 0 | 0 | 0 | 0 | 0 | 142 |
| Rest of Britain | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| {All} | 426 | 136 | 24 | 860 | 389 | 27 | 1 | 1,862 |

Table 4.15: 2026 Do-Minimum, select link analysis of M3 Junctions 2 – 3

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 426 - 0 = 426Borough to External Trips = 1,436 - 0 = 1,436Total (All) = 1,862
| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 139 | 25 | 903 | 399 | 25 | 1 | 1,491 |
| East Surrey | 141 | 0 | 0 | 0 | 0 | 0 | 0 | 141 |
| West Surrey | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| London | 170 | 0 | 0 | 0 | 0 | 0 | 0 | 170 |
| Kent / Sussex | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| Home Counties | 170 | 0 | 0 | 0 | 0 | 0 | 0 | 170 |
| Rest of Britain | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| {All} | 513 | 139 | 25 | 903 | 399 | 25 | 1 | 2,004 |

Table 4.16: 2026 Scenario A, select link analysis of M3 Junctions 2 – 3

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 513 - 0 = 513Borough to External Trips = 1,491 - 0 = 1,491Total (All) = 2,004

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 144 | 24 | 925 | 414 | 27 | 1 | 1,535 |
| East Surrey | 149 | 0 | 0 | 0 | 0 | 0 | 0 | 149 |
| West Surrey | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| London | 171 | 0 | 0 | 0 | 0 | 0 | 0 | 171 |
| Kent / Sussex | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Home Counties | 178 | 0 | 0 | 0 | 0 | 0 | 0 | 178 |
| Rest of Britain | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| {All} | 529 | 144 | 24 | 925 | 414 | 27 | 1 | 2,065 |

Table 4.17: 2026 Scenario B, select link analysis of M3 Junctions 2 – 3

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 529 - 0 = 529Borough to External Trips = 1,535 - 0 = 1,535Total (All) = 2,065

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 164 | 43 | 959 | 421 | 32 | 1 | 1,619 |
| East Surrey | 204 | 0 | 0 | 0 | 0 | 0 | 0 | 204 |
| West Surrey | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| London | 181 | 0 | 0 | 0 | 0 | 0 | 0 | 181 |
| Kent / Sussex | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| Home Counties | 159 | 0 | 0 | 0 | 0 | 0 | 0 | 159 |
| Rest of Britain | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| {All} | 595 | 164 | 43 | 959 | 421 | 32 | 1 | 2,214 |

Table 4.18: 2026 Scenario C, select link analysis of M3 Junctions 2 – 3

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 595 - 0 = 595Borough to External Trips = 1,619 - 0 = 1,619Total (All) = 2,214

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 172 | 41 | 969 | 421 | 31 | 1 | 1,634 |
| East Surrey | 205 | 0 | 0 | 0 | 0 | 0 | 0 | 205 |
| West Surrey | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |
| London | 182 | 0 | 0 | 0 | 0 | 0 | 0 | 182 |
| Kent / Sussex | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| Home Counties | 147 | 0 | 0 | 0 | 0 | 0 | 0 | 147 |
| Rest of Britain | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| {All} | 588 | 172 | 41 | 969 | 421 | 31 | 1 | 2,221 |

Table 4.19: 2026 Scenario D, select link analysis of M3 Junctions 2 – 3

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 588 - 0 = 588Borough to External Trips = 1,634 - 0 = 1,634Total (All) = 2,221

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 7 | 56 | 19 | 105 | 9 | 508 | 2 | 706 |
| East Surrey | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| West Surrey | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| London | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Kent / Sussex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Home Counties | 77 | 0 | 0 | 0 | 0 | 0 | 0 | 77 |
| Rest of Britain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| {All} | 99 | 56 | 19 | 105 | 9 | 508 | 2 | 798 |

Select Link Analysis: M3 between Junctions 3 and 4

Table 4.20: 2005 base, select link analysis of M3 Junctions 3 - 4

Surrey Heath Intra Borough AM Trips = 7 External to Borough Trips = 99 - 7 = 92Borough to External Trips = 706 - 6 = 700Total (All) = 798

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 5 | 71 | 21 | 129 | 14 | 459 | 1 | 700 |
| East Surrey | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| West Surrey | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| London | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| Kent / Sussex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Home Counties | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 74 |
| Rest of Britain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| {All} | 107 | 71 | 21 | 129 | 14 | 459 | 1 | 802 |

Table 4.21: 2026 Do-Minimum, select link analysis of M3 Junctions 3 – 4

Surrey Heath Intra Borough AM Trips = 5 External to Borough Trips = 107 - 5 = 102Borough to External Trips = 700 - 5 = 695Total (All) = 802

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 8 | 66 | 30 | 133 | 29 | 471 | 1 | 739 |
| East Surrey | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| West Surrey | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| London | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| Kent / Sussex | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Home Counties | 106 | 0 | 0 | 0 | 0 | 0 | 0 | 106 |
| Rest of Britain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| {All} | 167 | 66 | 30 | 133 | 29 | 471 | 1 | 898 |

Table 4.22: 2026 Scenario A, select link analysis of M3 Junctions 3 – 4

Surrey Heath Intra Borough AM Trips = 8 External to Borough Trips = 167 - 8 = 159Borough to External Trips = 739 - 8 = 731Total (All) = 898

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 9 | 71 | 32 | 138 | 25 | 518 | 1 | 794 |
| East Surrey | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| West Surrey | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| London | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| Kent / Sussex | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Home Counties | 119 | 0 | 0 | 0 | 0 | 0 | 0 | 119 |
| Rest of Britain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| {All} | 190 | 71 | 32 | 138 | 25 | 518 | 1 | 974 |

Table 4.23: 2026 Scenario B, select link analysis of M3 Junctions 3 – 4

Surrey Heath Intra Borough AM Trips = 9 External to Borough Trips = 190 - 9 = 181Borough to External Trips = 794 - 9 = 785Total (All) = 974

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 14 | 66 | 24 | 228 | 28 | 559 | 2 | 920 |
| East Surrey | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 37 |
| West Surrey | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| London | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 36 |
| Kent / Sussex | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Home Counties | 119 | 0 | 0 | 0 | 0 | 0 | 0 | 119 |
| Rest of Britain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| {All} | 236 | 66 | 24 | 228 | 28 | 559 | 2 | 1,142 |

Table 4.24: 2026 Scenario C, select link analysis of M3 Junctions 3 – 4

Surrey Heath Intra Borough AM Trips = 14External to Borough Trips = 236 - 14 = 222Borough to External Trips = 920 - 14 = 906Total (All) = 1,142

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 15 | 69 | 24 | 226 | 28 | 555 | 2 | 918 |
| East Surrey | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 37 |
| West Surrey | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| London | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |
| Kent / Sussex | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Home Counties | 113 | 0 | 0 | 0 | 0 | 0 | 0 | 113 |
| Rest of Britain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| {All} | 227 | 69 | 24 | 226 | 28 | 555 | 2 | 1,130 |

Table 4.25: 2026 Scenario D, select link analysis of M3 Junctions 3 – 4

Surrey Heath Intra Borough AM Trips = 15External to Borough Trips = 227 - 15 = 212Borough to External Trips = 918 - 15 = 903Total (All) = 1,130

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 68 | 4 | 68 | 312 | 6 | 0 | 457 |
| East Surrey | 105 | 0 | 0 | 0 | 0 | 0 | 0 | 105 |
| West Surrey | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| London | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Kent / Sussex | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Home Counties | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rest of Britain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| {All} | 115 | 68 | 4 | 68 | 312 | 6 | 0 | 572 |

Select Link Analysis: M25 between Junctions 11 and 12

Table 4.26: 2005 base, select link analysis of M25 Junctions 11 - 12

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 115 - 0 = 115Borough to External Trips = 457 - 0 = 457Total (All) = 572

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 89 | 3 | 49 | 374 | 9 | 0 | 523 |
| East Surrey | 108 | 0 | 0 | 0 | 0 | 0 | 0 | 108 |
| West Surrey | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| London | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Kent / Sussex | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Home Counties | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rest of Britain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| {All} | 119 | 89 | 3 | 49 | 374 | 9 | 0 | 642 |

Table 4.27: 2026 Do-Minimum, select link analysis of M25 Junctions 11 – 12

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 119 - 0 = 119Borough to External Trips = 523 - 0 = 523Total (All) = 642

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 86 | 3 | 55 | 383 | 7 | 0 | 534 |
| East Surrey | 129 | 0 | 0 | 0 | 0 | 0 | 0 | 129 |
| West Surrey | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| London | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Kent / Sussex | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| Home Counties | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rest of Britain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| {All} | 148 | 86 | 3 | 55 | 383 | 7 | 0 | 682 |

Table 4.28: 2026 Scenario A, select link analysis of M25 Junctions 11 – 12

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 148 - 0 = 148Borough to External Trips = 534 - 0 = 534Total (All) = 682

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 96 | 3 | 57 | 398 | 7 | 0 | 560 |
| East Surrey | 136 | 0 | 0 | 0 | 0 | 0 | 0 | 136 |
| West Surrey | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| London | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Kent / Sussex | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| Home Counties | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rest of Britain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| {All} | 155 | 96 | 3 | 57 | 398 | 7 | 0 | 715 |

Table 4.29: 2026 Scenario B, select link analysis of M25 Junctions 11 – 12

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 155 - 0 = 155Borough to External Trips = 560 - 0 = 560Total (All) = 715

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 114 | 4 | 72 | 402 | 7 | 0 | 599 |
| East Surrey | 176 | 0 | 0 | 0 | 0 | 0 | 0 | 176 |
| West Surrey | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| London | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Kent / Sussex | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| Home Counties | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rest of Britain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| {All} | 211 | 114 | 4 | 72 | 402 | 7 | 0 | 810 |

Table 4.30: 2026 Scenario C select link analysis of M25 Junctions 11 – 12

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 211 - 0 = 211Borough to External Trips = 599 - 0 = 599Total (All) = 810

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 114 | 4 | 66 | 402 | 7 | 0 | 594 |
| East Surrey | 176 | 0 | 0 | 0 | 0 | 0 | 0 | 176 |
| West Surrey | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| London | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Kent / Sussex | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| Home Counties | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rest of Britain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| {All} | 212 | 114 | 4 | 66 | 402 | 7 | 0 | 806 |

Table 4.31: 2026 Scenario D select link analysis of M25 Junctions 11 – 12

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 212 - 0 = 212Borough to External Trips = 594 - 0 = 594Total (All) = 806

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 0 | 16 | 391 | 2 | 28 | 1 | 439 |
| East Surrey | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Surrey | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| London | 63 | 0 | 0 | 0 | 0 | 0 | 0 | 63 |
| Kent / Sussex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Home Counties | 117 | 0 | 0 | 0 | 0 | 0 | 0 | 117 |
| Rest of Britain | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| {All} | 196 | 0 | 16 | 391 | 2 | 28 | 1 | 635 |

Select Link Analysis: M25 between Junctions 12 and 13

Table 4.32: 2005 base select link analysis of M25 Junctions 12 - 13

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 196 - 0 = 196Borough to External Trips = 439 - 0 = 439Total (All) = 635

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 0 | 10 | 424 | 1 | 35 | 1 | 471 |
| East Surrey | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| West Surrey | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| London | 78 | 0 | 0 | 0 | 0 | 0 | 0 | 78 |
| Kent / Sussex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Home Counties | 135 | 0 | 0 | 0 | 0 | 0 | 0 | 135 |
| Rest of Britain | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| {All} | 224 | 0 | 10 | 424 | 1 | 35 | 1 | 695 |

Table 4.33: 2026 Do-Minimum select link analysis of M25 Junctions12 – 13

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 224 - 0 = 224Borough to External Trips = 471 - 0 = 471Total (All) = 695

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 0 | 9 | 430 | 1 | 31 | 1 | 473 |
| East Surrey | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| West Surrey | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| London | 88 | 0 | 0 | 0 | 0 | 0 | 0 | 88 |
| Kent / Sussex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Home Counties | 162 | 0 | 0 | 0 | 0 | 0 | 0 | 162 |
| Rest of Britain | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| {All} | 263 | 0 | 9 | 430 | 1 | 31 | 1 | 736 |

Table 4.34: 2026 Scenario A select link analysis of M25 Junctions 12 – 13

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 263 - 0 = 263Borough to External Trips = 473 - 0 = 473Total (All) = 736

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 0 | 8 | 436 | 1 | 34 | 1 | 479 |
| East Surrey | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| West Surrey | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| London | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 89 |
| Kent / Sussex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Home Counties | 170 | 0 | 0 | 0 | 0 | 0 | 0 | 170 |
| Rest of Britain | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| {All} | 271 | 0 | 8 | 436 | 1 | 34 | 1 | 750 |

Table 4.35: 2026 Scenario B select link analysis of M25 Junctions 12 – 13

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 271 - 0 = 271Borough to External Trips = 479 - 0 = 479Total (All) = 750

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 1 | 24 | 490 | 1 | 39 | 1 | 554 |
| East Surrey | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| West Surrey | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| London | 62 | 0 | 0 | 0 | 0 | 0 | 0 | 62 |
| Kent / Sussex | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Home Counties | 158 | 0 | 0 | 0 | 0 | 0 | 0 | 158 |
| Rest of Britain | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| {All} | 241 | 1 | 24 | 490 | 1 | 39 | 1 | 795 |

Table 4.36: 2026 Scenario C select link analysis of M25 Junctions 12 – 13

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 241 - 0 = 241Borough to External Trips = 554 - 0 = 554Total (All) = 795

| | Surrey Heath | East Surrey | West Surrey | London | Kent / Sussex | Home Counties | Rest of Britain | {All} |
|--------------------|-----------------|-------------|----------------|--------|------------------|------------------|--------------------|-------|
| Surrey Heath | 0 | 2 | 23 | 498 | 1 | 38 | 1 | 563 |
| East Surrey | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| West Surrey | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| London | 62 | 0 | 0 | 0 | 0 | 0 | 0 | 62 |
| Kent / Sussex | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Home Counties | 147 | 0 | 0 | 0 | 0 | 0 | 0 | 147 |
| Rest of Britain | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| {All} | 229 | 2 | 23 | 498 | 1 | 38 | 1 | 792 |

Table 4.37: 2026 Scenario D select link analysis of M25 Junctions 12 – 13

Surrey Heath Intra Borough AM Trips = 0 External to Borough Trips = 229 - 0 = 229Borough to External Trips = 563 - 0 = 563Total (All) = 792

| | 2005 | 2026 Do- | 2026 | 2026 | 2026 | 2026 | 2026 |
|--------------|-------|----------|------------|------------|------------|------------|-------------------|
| | 2005 | Minimum | Scenario A | Scenario B | Scenario C | Scenario D | C - A |
| M3 J1 – 2 | 638 | 580 | 635 | 651 | 681 | 695 | 46 (+7%) |
| M3 J2 – 3 | 1,795 | 1,862 | 2,004 | 2,065 | 2,214 | 2,221 | 210 (+10%) |
| M3 J3 – 4 | 798 | 802 | 898 | 974 | 1,142 | 1,130 | 244 (+27%) |
| M25 J11 – 12 | 572 | 642 | 682 | 715 | 810 | 806 | 128 (+19%) |
| M25 J12 - 13 | 635 | 695 | 736 | 750 | 795 | 792 | 59 (+8%) |

Table 4.38: Select link analysis summary table

- 4.3.4 The values in *Tables 4.8* to *4.38* are displayed in whole numbers; any differences are purely related to a rounding error.
- 4.3.5 The M3 between Junctions 2 and 3 (in both directions) is the section of the surrounding local strategic network that carries the largest amount of trips, originating from or destined to the borough of Surrey Heath in the AM peak hour. This section of the strategic road network carries the largest amount of trips in Scenario D, a total of 2,221 trips (see *Table 4.19*).
- 4.3.6 *Tables 4.8* to *4.13* display the select link analyses for the M3 Junctions 1 to 2 (in both directions). There is a general increase in the amount of trips using this section of the motorway, associated with the borough of Surrey Heath, between the 2026 Do-Minimum and Scenario D. The total amount of trips using this section of the strategic network in Scenarios A, B, C and D is 635, 651, 681 and 695 trips respectively. The impact of the (LDF) proposals between Scenario C and A shows an overall increase of 46 additional trips using this section of the M3 that have either originated from or are destined to Surrey Heath.
- 4.3.7 *Tables 4.14* to *4.19* display the select link analyses for the M3 Junctions 2 to 3 (in both directions). There is a general increase in the amount of trips using this section of the motorway, associated with the borough of Surrey Heath, between the 2026 Do-Minimum and Scenario D. The total amount of trips using this section of the strategic network in Scenarios A, B, C and D is 2004, 2065, 2214 and 2221 trips respectively. The impact of the (LDF) proposals between Scenario C and A shows an overall increase of 210 additional trips using this section of the M3 that have either originated from or are destined to Surrey Heath. Between the 2005 base and Scenario C, row (origins) and column (destinations) totals both increase, but comparison of *Tables 4.18* and *4.19* indicates that between Scenario C and Scenario D there is an increase in the total number of trips using this link, but closer examination indicates that the increase between Scenario C and D is solely related to origin trips.
- 4.3.8 *Tables 4.20* to *4.25* display the select link analyses for the M3 between Junctions 3 and 4 (in both directions). There is an increase in the total number of trips using this link between the 2005 base (798 trips) and Scenario C (1,142 trips). There is a minor decrease (12 trips), in trips using this section of the M3 between Scenario C (1,142 trips) and Scenario D (1,130 trips). It should also be noted that unlike other sections of the motorway the M3 Junctions 3 to 4 contains a small amount of intraborough trips in all scenarios. This is due to both Junctions 3 and 4 being within the borough of Surrey Heath, allowing a small proportion of people to make short

distance trips, within the borough, on the strategic network. The largest amount of intra-borough trips on the M3 Junctions 3 to 4 is 15 trips in Scenario D (see *Table 4.25*). The impact of the (LDF) proposals between Scenario C and A shows an overall increase of 244 additional trips using this section of the M3 that have either originated from or are destined to Surrey Heath and this stretch carries the highest amount of additional traffic.

- 4.3.9 *Tables 4.26* to *4.31* display the select link analyses for the M25 Junctions 11 to 12 (in both directions). There is a general increase in the amount of trips using this section of the motorway, associated with the borough of Surrey Heath, between the 2026 Do-Minimum and Scenario D. The total amount of trips using this section of the strategic network in Scenarios A, B, C and D is 682, 715, 810 and 806 trips respectively. The impact of the (LDF) proposals between Scenario C and A shows an overall increase of 128 additional trips using this section of the M25 that have either originated from or are destined to Surrey Heath.
- 4.3.10 *Tables 4.32* to *4.37* display the select link analyses for the M25 Junctions 12 to 13 (in both directions). There is a general increase in the amount of trips using this section of the motorway, associated with the borough of Surrey Heath, between the 2026 Do-Minimum and Scenario D. The total amount of trips using this section of the strategic network in Scenarios A, B, C and D is 736, 750, 795 and 792 trips respectively. The impact of the (LDF) proposals between Scenario C and A shows an overall increase of 59 additional trips using this section of the M25 that have either originated from or are destined to Surrey Heath.
- 4.3.11 In summary, the select link analysis of traffic using the surrounding strategic road network associated with travel from or to Surrey Heath between (LDF) Scenario C and the 2026 Reference Case plus permissions (Scenario A) shows that the M3 between junctions 3 4 has the largest increase of additional trips (244) which represents an additional 27% increase in trips. The M3 stretch between junctions 2 3 shows a projected increase of 210 trips but this is only an additional 10% increase.

5 MODELLING RESULTS AND ANALYSES

5.1 Summary Statistics

5.1.1 *Table 5.1* presents matrix based statistics for the borough of Surrey Heath.

| AM Vehicle Trips | 2005 | 2026 Do- | 2026 | 2026 | 2026 | 2026 | 2026 |
|----------------------------------|-------|----------|------------|------------|------------|------------|------------------|
| - | | Minimum | Scenario A | Scenario B | Scenario C | Scenario D | C - A |
| Surrey Heath Intra Borough Trips | 3,880 | 3,667 | 4,013 | 4,233 | 4,504 | 4,504 | 491 (12%) |
| External to Borough Trips | 5,712 | 6,011 | 6,790 | 6,978 | 7,119 | 7,181 | 329 (5%) |
| Borough to External Trips | 9,452 | 9,513 | 9,949 | 10,232 | 10,765 | 10,767 | 816 (8%) |

Table 5.1: Summary Trip Matrix AM Peak Hour (0800 - 0900)

- 5.1.2 *Tables 5.2* and *5.3* present the network based summary statistics for the borough of Surrey Heath. The summary statistics compare the key outputs from the modelling of the 2005 base, the 2026 Do-Minimum and the forecast Scenarios A, B, C and D. These network based summary statistics report motorway and non-motorway road statistics separately. The tables include both link and (for non-motorway roads) junction based statistics.
- 5.1.3 Following a request from (SHBC) the results will generally refer to the impacts between Scenario C the proposed LDF strategy including (PRB) and the 2026 Reference Case plus permissions Scenario A.

| | | | 20 | .6 | | | | | |
|------------------------------------|-----------------|----------------|---|--|--------------------------------------|---------------------------------------|--|--|--|
| Key Statistics | 2005 | Do- Minimum | Scenario A (Do-Min as reference) | Scenario B (Scenario A as ref.) | Scenario C (Scenario A as ref) | Scenario D (Scenario A as ref) | | | |
| Total Vehicle Kilometrage (Veh Km) | 207,323 | 224,671 | 232,676 | 235,595 | 244,648 | 249,772 | | | |
| Total Link Travel Time (Veh Hr) | 3,947 | 4,336 | 4,554 | 4,642 | 4,904 | 5,046 | | | |
| Total Junction Delay (Veh Hr) | 1,776 | 2,294 | 2,473 | 2,549 | 2,556 | 2,639 | | | |
| Total Network Travel Time (Veh Hr) | 5,724 | 6,630 | 7,028 | 7,192 | 7,460 | 7,686 | | | |
| Average Speed (Km/Hr) | 60.1 | 59.1 | 58.8 | 58.6 | 57.7 | 57.5 | | | |
| Difj | ference Betwee | en Scenario an | nd 2026 Do-Mi | nimum | | | | | |
| Total Vehicle Kilometrage (Veh Km) | | | 8,005 | 10,924 | 19,977 | 25,101 | | | |
| Total Link Travel Time (Veh Hr) | | | 219 | 307 | 568 | 711 | | | |
| Total Junction Delay (Veh Hr) | | | 179 | 255 | 262 | 345 | | | |
| Total Network Travel Time (Veh Hr) | | | 398 | 562 | 830 | 1,056 | | | |
| Average Speed (Km/Hr) | | | -0.4 | -0.6 | -1.4 | -1.6 | | | |
| Percentag | ge Difference l | Between Scena | rio and 2026 I | Do-Minimum | | | | | |
| Total Vehicle Kilometrage (Veh Km) | | | 3.6% | 4.9% | 8.9% | 11.2% | | | |
| Total Link Travel Time (Veh Hr) | | | 5.0% | 7.1% | 13.1% | 16.4% | | | |
| Total Junction Delay (Veh Hr) | | | 7.8% | 11.1% | 11.4% | 15.1% | | | |
| Total Network Travel Time (Veh Hr) | | | 6.0% | 8.5% | 12.5% | 15.9% | | | |
| Average Speed (Km/Hr) | | | -0.6% | -1.0% | -2.4% | -2.8% | | | |
| | Difference | e Between Scen | nario A and B | | | | | | |
| Total Vehicle Kilometrage (Veh Km) | | | | 2,919 | | | | | |
| Total Link Travel Time (Veh Hr) | | | | 88 | | | | | |
| Total Junction Delay (Veh Hr) | | | | 76 | | | | | |
| Total Network Travel Time (Veh Hr) | | | | 164 | | | | | |
| Average Speed (Km/Hr) | | | | -0.2 | | | | | |
| Po | ercentage Diff | erence Betwee | n Scenario A d | and B | | | | | |
| Total Vehicle Kilometrage (Veh Km) | | | | 1.3% | | | | | |
| Total Link Travel Time (Veh Hr) | | | | 1.9% | | | | | |
| Total Junction Delay (Veh Hr) | | | | 3.1% | | | | | |
| Total Network Travel Time (Veh Hr) | | | | 2.3% | | | | | |
| Average Speed (Km/Hr) | | | | -0.4% | | | | | |
| | Difference | e Between Scel | nario A and C | | | | | | |
| Total Vehicle Kilometrage (Veh Km) | | | | | 11,972 | | | | |
| Total Link Travel Time (Veh Hr) | | | | | 349 | | | | |
| Total Junction Delay (Veh Hr) | | | | | 82 | | | | |
| Total Network Travel Time (Veh Hr) | | | | | 432 | | | | |
| Average Speed (Km/Hr) | | | | | -1.1 | | | | |
| <i>P</i> | ercentage Diff | erence Betwee | <u>n Scenario A c</u> | und C | | | | | |
| Total Vehicle Kilometrage (Veh Km) | | | | | 5.1% | | | | |
| Total Link Travel Time (Veh Hr) | | | | | 7.7% | | | | |
| Total Junction Delay (Veh Hr) | | | | | 3.3% | | | | |
| Total Network Travel Time (Veh Hr) | | | | | 6.1% | | | | |
| Average Speed (Km/Hr) | | | | | -1.8% | | | | |
| | Difference | e Between Scen | nario A and D | 1 | | | | | |
| Total Vehicle Kilometrage (Veh Km) | | | | | | 17,096 | | | |
| Total Link Travel Time (Veh Hr) | | | | | | 492 | | | |
| Total Junction Delay (Veh Hr) | | | | | | 166 | | | |
| Total Network Travel Time (Veh Hr) | | | | | | 658 | | | |
| Average Speed (Km/Hr) | | | | | | -1.3 | | | |
| Pe | ercentage Diff | erence Betwee | n Scenario A c | und D | | | | | |
| Total Vehicle Kilometrage (Veh Km) | | | | | | 7.3% | | | |
| Total Link Travel Time (Veh Hr) | | | | | | 10.8% | | | |
| Total Junction Delay (Veh Hr) | | | | | | 6.7% | | | |
| Total Network Travel Time (Veh Hr) | | | | | | 9.4% | | | |
| Average Speed (Km/Hr) | | | | | | -2.2% | | | |

Table 5.2: Borough non-motorway summary statistics

| | 2026 | | | | | | | | | | | |
|---|----------------|----------------------------|---|--|--------------------------------------|---------------------------------------|--|--|--|--|--|--|
| Key Statistics | 2005 | Do- Minimum | Scenario A (Do-Min as reference) | Scenario B (Scenario A as ref.) | Scenario C (Scenario A as ref) | Scenario D (Scenario A as ref) | | | | | | |
| Total Vehicle Kilometrage (Veh Km) | 132,394 | 158,203 | 158,930 | 161,192 | 165,645 | 165,114 | | | | | | |
| Total Link Travel Time (Veh Hr) | 1,292 | 1,636 | 1,646 | 1,681 | 1,752 | 2 1.743 | | | | | | |
| Average Speed (Km/Hr) | 103.0 | 100.2 | 100.2 | 99.8 | 99.3 | 99.4 | | | | | | |
| Difference Between Scenario and 2026 Do-Minimum | | | | | | | | | | | | |
| Total Vehicle Kilometrage (Veh Km) | | | 727 | 2,988 | 7,442 | 6,911 | | | | | | |
| Total Link Travel Time (Veh Hr) | | | 10 | 45 | 116 | 107 | | | | | | |
| Average Speed (Km/Hr) | | | -0.1 | -0.4 | -0.9 | -1 | | | | | | |
| Percentag | e Difference l | <mark>Between Scena</mark> | rio and 2026 I | Do-Minimum | | | | | | | | |
| Total Vehicle Kilometrage (Veh Km) | | | 0.5% | 1.9% | 4.7% | 4.4% | | | | | | |
| Total Link Travel Time (Veh Hr) | | | 0.6% | 2.8% | 7.1% | 6.5% | | | | | | |
| Average Speed (Km/Hr) | | | -0.1% | -0.4% | -0.9% | -0.8% | | | | | | |
| | Difference | e Between Sce | nario A and B | | | | | | | | | |
| Total Vehicle Kilometrage (Veh Km) | | | | 2,262 | | | | | | | | |
| Total Link Travel Time (Veh Hr) | | | | 35 | | | | | | | | |
| Average Speed (Km/Hr) | | | | -0.3 | | | | | | | | |
| <i>Pe</i> | ercentage Diff | erence Betwee | n Scenario A d | and B | r | r | | | | | | |
| Total Vehicle Kilometrage (Veh Km) | | | | 1.4% | | | | | | | | |
| Total Link Travel Time (Veh Hr) | | | | 2.2% | | | | | | | | |
| Average Speed (Km/Hr) | | | | -0.3% | | | | | | | | |
| | Difference | e Between Scel | nario A and C | I | Γ | Γ | | | | | | |
| Total Vehicle Kilometrage (Veh Km) | | | | | 6,715 | | | | | | | |
| Total Link Travel Time (Veh Hr) | | | | | 107 | | | | | | | |
| Average Speed (Km/Hr) | | | | | -0.8 | | | | | | | |
| Pe | ercentage Diff | erence Betwee | n Scenario A d | and C | | | | | | | | |
| Total Vehicle Kilometrage (Veh Km) | | | | | 4.2% | | | | | | | |
| Total Link Travel Time (Veh Hr) | | | | | 6.5% | | | | | | | |
| Average Speed (Km/Hr) | D 100 | D | | | -0.8% | | | | | | | |
| | Difference | e Between Scei | nario A and D | | | C 104 | | | | | | |
| Total Vehicle Kilometrage (Veh Km) | | | | | | 6,184 | | | | | | |
| A verse a Smood (Ker (Ur)) | | | | | | 97 | | | | | | |
| Average Speed (Km/Hr) | magnitaga D:ff | Comora o Dotrino - | n Coonanio A | and D | | -0./ | | | | | | |
| Total Vahiala Kilometrage (Vah Var) | ercentage Diff | erence beiwee | n scenario A l | ina D | | 2.00/ | | | | | | |
| Total Link Travel Time (Veh Hr) | | | | | | 3.9% 5.0% | | | | | | |
| Average Speed (Km/Ur) | | | | | | J.9% 0.70/ | | | | | | |
| Average Speed (KIII/Hr) | | | | | | -0./% | | | | | | |

 Table 5.3: Borough motorway summary statistics

- 5.1.4 It must be noted that any increase in delay in the future is not just due to growth within Surrey Heath but also attributed to growth across Great Britain. This is shown from the comparison between the 2026 Do-Minimum and 2005 base results.
- 5.1.5 The M3 between Junctions 3 and 4 as well as nearly half of Junction 2 to 3 is within Surrey Heath's borough boundaries. These sections of the M3 have been included in the motorway summary statistics and presented in *Table 5.3*.
- 5.1.6 The model suggests the following for the forecast year of 2026:
- 5.1.7 An increase in non-motorway vehicle kilometres (vkms) travelled in Surrey Heath of approximately 8,000vkm in Scenario A when compared to the Do-Minimum, 2,900vkm in Scenario B when compared to Scenario A, 12,000vkm in Scenario C when compared to Scenario A and 17,100vkm in Scenario D when compared to

Scenario A. Resulting in an approximate increase of 2.3%, 6.1% and 9.4% in total network travel time between Scenarios B-D compared to A. This caused a decrease in average speed of -0.2%, -1.1% and -1.3% between Scenarios B-D compared to A.

- 5.1.8 At a borough level, the non-motorway summary statistics (*Table 5.2*) suggest incremental differences (increases) between all four forecast scenarios and their relevant reference cases.
- 5.1.9 Considering traffic flow along the motorway network, the total vehicle kilometres travelled is estimated to increase by approximately 700vkm in Scenario A compared to the Do-Minimum, 2,250vkm in Scenario B compared to Scenario A and 6,700vkm in Scenario C compared to Scenario A and 6,200vkm in Scenario D compared to Scenario A. Hence Scenario D shows an estimated minor decrease in vehicle kilometres of approximately 500vkm, (a reduction of 0.3%) compared to Scenario C.
- 5.1.10 Comparing the differences in motorway traffic impacts between Scenario A and B, there is relatively small differences as the total link travel time in Scenario B increases by 2.2% and a reduction in average speed of 0.3% when compared to Scenario A. Scenario C presents slightly larger traffic impacts as total link travel time increases by 6.5% and average speed decreases by 0.8%. Scenario D presents smaller traffic impacts in all statistics when compared to Scenario C as both vehicle kilometres and total link travel time decrease by 0.3% and 0.6% respectively and average speed increases by 0.1%, therefore the differences between Scenario C and D are minimal. Scenario C presents the largest traffic impacts on the motorway network within Surrey Heath when compared to Scenario A.

5.2 Largest Increases in Forecast Trip Ends

- 5.2.1 Using additional trips derived from the planning data as shown previously in *Tables* 3.3 to 3.6 the zones that experience the largest increases in additional departure (origin) trips, for all vehicle types, are shown below in *Tables 5.4* to 5.7.
- 5.2.2 Any rows of *Tables 5.4* to 5.7 highlighted in grey indicates that the data in question relates to the Runnymede zones included for the purposes of the DERA development in Scenario D (zone 378 Virginia Water and zone 379 Ottershaw).

| Zone No. | Zone Name | Additional Trips | Percentage of Additional Trips |
|----------|----------------------------|------------------|-----------------------------------|
| 372 | York Town | 263.4 | 47.8% |
| 362 | Bagshot | 85.3 | 15.5% |
| 366 | Camberley | 42.4 | 7.7% |
| 368 | Collingwood College | 36.5 | 6.6% |
| 374 | Frimley & Frimley Hospital | 35.8 | 6.5% |

Table 5.4: Zones with greatest increase in additional departure (origin) trips, Scenario A

| Zone No. | Zone Name | Additional Trips | Percentage of Additional Trips |
|----------|-----------------------|------------------|-----------------------------------|
| 372 | York Town | 320.0 | 32.2% |
| 362 | Bagshot | 202.4 | 20.4% |
| 371 | Riverside & Watchetts | 90.8 | 9.2% |
| 366 | Camberley | 59.6 | 6.0% |
| 364 | Chobham | 45.8 | 4.6% |

Table 5.5: Zones with greatest increase in additional departure (origin) trips, Scenario B

| Zone No. | Zone Name | Additional Trips | Percentage of Additional Trips |
|----------|-----------------------|------------------|-----------------------------------|
| 365 | Deepcut & Mytchett | 765.2 | 44.1% |
| 372 | York Town | 320.0 | 18.4% |
| 362 | Bagshot | 202.4 | 11.7% |
| 371 | Riverside & Watchetts | 90.8 | 5.2% |
| 366 | Camberley | 59.6 | 3.4% |

Table 5.6: Zones with greatest increase in additional departure (origin) trips, Scenario C

| Zone No. | Zone Name | Additional Trips | Percentage of Additional Trips |
|----------|--------------------|------------------|-----------------------------------|
| 379 | Ottershaw | 1025.8 | 35.9% |
| 365 | Deepcut & Mytchett | 765.2 | 26.8% |
| 372 | York Town | 320.0 | 11.2% |
| 362 | Bagshot | 202.4 | 7.1% |
| 378 | Virginia Water | 92.0 | 3.2% |

Table 5.7: Zones with greatest increase in additional departure (origin) trips, Scenario D

- 5.2.3 In Scenarios A and B the largest amount of additional departure trips generated by the proposed developments are within two zones in the north-west of the borough, zone 372 York Town and 362 Bagshot. Zone 372 York Town contains, approximately 48% of all additional departure trips in Scenario A and 32% of trips in Scenario B.
- 5.2.4 In Scenario C the largest amount of additional departure trips is within zone 365 Deepcut & Mytchett, representing approximately 44% of all trips. This increase in additional departure trips in zone 365, in Scenario C, is purely related to the PRB development. In Scenario D zone 379 Ottershaw (in the borough of Runnymede), contains the largest amount of departure trips, approximately 36% of all additional departure trips. Additional trips in this Runnymede zone is wholly attributed to the DERA development being incorporated in Scenario D. However, both zones 372 York Town and 362 Bagshot are still within the five zones that contribute to the largest amount of additional departure trips in Scenarios C and D.
- 5.2.5 Using additional trips derived from the planning data as shown previously in *Tables* 3.3 to 3.6 the zones that experience the largest increases in additional arrival (destination) trips, for all vehicle types are shown *in Tables* 5.8 to 5.11.

| Zone No. | Zone Name | Additional Trips | Percentage of Additional Trips |
|----------|----------------------------|------------------|-----------------------------------|
| 372 | York Town | 622.2 | 64.4% |
| 374 | Frimley & Frimley Hospital | 147.6 | 15.3% |
| 371 | Riverside & Watchetts | 138.6 | 14.3% |
| 368 | Collingwood College | 25.3 | 2.6% |
| 362 | Bagshot | 23.8 | 2.5% |

Table 5.8: Zones with greatest increase in additional arrival (destination) trips, Scenario A

| Zone No. | Zone Name | Additional Trips | Percentage of Additional Trips |
|----------|----------------------------|------------------|-----------------------------------|
| 372 | York Town | 646.1 | 51.7% |
| 371 | Riverside & Watchetts | 174.5 | 14.0% |
| 374 | Frimley & Frimley Hospital | 148.3 | 11.9% |
| 366 | Camberley | 112.5 | 9.0% |
| 362 | Bagshot | 63.5 | 5.1% |

Table 5.9: Zones with greatest increase in additional arrival (destination) trips, Scenario B

| Zone No. | Zone Name | Additional Trips | Percentage of Additional Trips |
|----------|----------------------------|------------------|-----------------------------------|
| 372 | York Town | 646.1 | 44.6% |
| 365 | Deepcut & Mytchett | 219.4 | 15.1% |
| 371 | Riverside & Watchetts | 174.5 | 12.0% |
| 374 | Frimley & Frimley Hospital | 148.3 | 10.2% |
| 366 | Camberley | 112.5 | 7.8% |

Table 5.10: Zones with greatest increase in additional arrival (destination) trips, Scenario C

| Zone No. | Zone Name | Additional Trips | Percentage of Additional Trips |
|----------|----------------------------|------------------|-----------------------------------|
| 372 | York Town | 646.1 | 40.0% |
| 379 | Ottershaw | 295.6 | 18.3% |
| 365 | Deepcut & Mytchett | 219.4 | 13.6% |
| 371 | Riverside & Watchetts | 174.5 | 10.8% |
| 374 | Frimley & Frimley Hospital | 148.3 | 9.2% |

Table 5.11: Zones with greatest increase in additional arrival (destination) trips, Scenario D

- 5.2.6 Within Surrey Heath the largest proportion of additional arrival trips generated from the proposed developments is concentrated in the zone of 372 York Town, with at least 40% of all arrival trips in each scenario.
- 5.2.7 The zones containing the largest proportion of additional arrival trips in Scenarios A and B are in the west of the borough specifically York Town, Frimley and Riverside & Watchetts. In Scenario C the two zones containing the largest proportion of additional arrival trips are zone 372 York Town (approximately 45%) and 365 Deepcut & Mytchett (approximately 15%). In Scenario C zone 365 Deepcut & Mytchett contains the second largest proportion of trips due to the inclusion of the PRB development. In Scenario D zone 372 again contains the largest proportion of trips but the Runnymede zone of 379 Ottershaw contains the second largest proportion of arrival trips (approximately 18%) as a result of the incorporation of the DERA development.
- 5.2.8 Comparisons of *Tables 5.4* to *5.11* indicate that Scenario A contains the smallest amount of additional trips (both departure and arrival) and Scenario D contains the largest.

5.2.9 In Scenario D the zone containing the most departure trips is the Runnymede zone 379 Ottershaw (related to DERA) and zone 372 York Town contains the largest proportion of arrival trips (see *Tables 5.7* and *5.11*).

5.3 Traffic Impacts

- 5.3.1 *Table 5.12* lists the roads within Surrey Heath that experience the greatest increases in traffic delay (increase in flow) during the AM peak hour in 2026 compared with each scenarios reference case. It should be noted that the links displayed in *Table 5.12* are based on the largest increase in delay between Scenarios C and A.
- 5.3.2 The general trend displayed in *Table 5.12* is that flow will increase on all stated links between the 2005 base and Scenario D. Some decreases in flow occur on a small amount of the stated links, however the majority of these decreases occur between the 2026 Do-Minimum and the 2005 base. *Table 5.12* indicates that the main areas to be impacted by the largest increases in flow are Lightwater, Bagshot and Deepcut & Mytchett. Increase in flow in these areas relates to the zones (or in close proximity to the zones) that are proposed to incur some of the largest proportions of additional trips, (see *Tables 5.4* to *5.11*).
- 5.3.3 While the smaller (local) roads have not been modelled, it should be remembered that only inter-zonal trips (trips made between zones) are actually modelled and therefore detail of the road network has to be balanced against the size of the zone system to obtain realistic results.
- 5.3.4 *Table 5.13* shows the junctions within Surrey Heath that experience the greatest increase in junction delay during the AM peak hour. It is important to note that the junctions displayed in the table are based on the largest increase in flow between Scenarios C and A.
- 5.3.5 *Figures 5.1* and 5.2 show the geographical location of the links and junctions presented in *Tables 5.12* and 5.13.

| | | | | | | Flow – | All Vehicles | s (Absolute | Values) | | Absolute Differences* | | | | | | |
|-------------|-------|--------------------------------|-----------------------|---------------------|------|----------------|----------------|----------------|----------------|----------------|--------------------------|------------------------|--------------------|-----------------------|--------------------|--------------------|--|
| Link No. | Dir | Description | Location | Nominal Capacity | 2005 | 2026 Do-Min | 2026 Scen A | 2026 Scen B | 2026 Scen C | 2026 Scen D | 2026 Do-Min - 2005 | Scen A – Do- Min | Scen B – Scen A | Scen C – Scen A | Scen C – Scen B | Scen D – Scen B | |
| 16924 | 1 (N) | B3015 Deepcut Bridge Rd | Deepcut & Mytchett | 1,700 | 1278 | 1386 | 1425 | 1405 | 1983 | 1989 | 108 8% | 39 3% | -20 -1% | 557 39% | 577 41% | 584 42% | |
| 16939 | 1 (S) | A322 Bracknell Rd | Bagshot | 3,500 | 1877 | 2206 | 2230 | 2196 | 2724 | 2692 | 329 18% | 25 1% | -34 -2% | 494 22% | 528 24% | 496 23% | |
| 16943 | 1 (S) | A322 Bracknell Rd | Bagshot | 3,500 | 1877 | 2206 | 2230 | 2196 | 2724 | 2692 | 329 18% | 25 1% | -34 -2% | 494 22% | 528 24% | 496 23% | |
| 16941 | 2 (S) | A322 Bracknell Rd | Bagshot | 3,400 | 1877 | 2206 | 2230 | 2196 | 2724 | 2692 | 329 18% | 25 1% | -34 -2% | 494 22% | 528 24% | 496 23% | |
| 16933 | 2 (N) | A331 Blackwater Valley Road | Frimley | 3,500 | 1860 | 1897 | 1895 | 1900 | 2366 | 2294 | 38 2% | -2 0% | 5 0% | 471 25% | 467 25% | 394 21% | |
| 16768 | 2 (S) | A322 Bracknell Rd | Bagshot | 3,500 | 1967 | 2194 | 2127 | 2173 | 2585 | 2550 | 227 12% | -68 -3% | 47 2% | 458 22% | 411 19% | 377 17% | |
| 16771 | 2 (S) | A322 Bracknell Rd | Bagshot | 3,500 | 1967 | 2194 | 2127 | 2173 | 2585 | 2550 | 227 12% | -68 -3% | 47 2% | 458 22% | 411 19% | 377 17% | |
| 16824 | 2 (E) | B3029 Guildford Road | Bagshot | 1,200 | 1439 | 1306 | 1178 | 1244 | 1636 | 1696 | -133 -9% | -128 -10% | 65 6% | 458 39% | 393 32% | 452 36% | |
| 16926 | 2 (N) | A331 Blackwater Valley Road | Frimley | 3,500 | 649 | 498 | 495 | 528 | 950 | 893 | -150 -23% | -4 -1% | 34 7% | 455 92% | 421 80% | 365 69% | |
| 16858 | 2 (S) | C5 Guildford Road | Lightwater | 800 | 404 | 360 | 437 | 450 | 885 | 869 | -44 -11% | 78 22% | 12 3% | 448 102% | 435 97% | 420 93% | |

Table 5.12: Links that display the largest increase in flow resulting from scenarios with their relevant reference cases (sorted on the largest increases between Scenario C and Scenario A)

Nominal capacity is the flow at which queuing is likely to start at.

* The values shown in brackets are the percentage differences.



Figure 5.1: Location of the links with the largest increase in flow between Scenario C and A

| | | | | Junctio | n Delay - A | All Vehicle | s (Veh Hr) | (Absolute | Values) | | Abso | olute Differ | ences (Veh | n Hr) | |
|-------------|---|------------------|--------------------------|---------|----------------|----------------|----------------|----------------|----------------|--------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Node No. | Description | Junction Type | Location | 2005 | 2026 Do-Min | 2026 Scen A | 2026 Scen B | 2026 Scen C | 2026 Scen D | 2026 Do-Min - 2005 | Scen A – Do-Min | Scen B – Scen A | Scen C – Scen A | Scen C – Scen B | Scen D – Scen B |
| 99758 | A30 London Rd, B3015 The Maultway, A325 Portsmouth Rd | Signal | Bagshot | 13 | 13 | 15 | 18 | 82 | 83 | -1 -4% | 3 20% | 3 18% | 67 433% | 64 352% | 65 359% |
| 41768 | M3 Junction 4 (Northbound) | Rdabt | Riverside & Watchetts | 154 | 189 | 212 | 197 | 266 | 274 | 35 23% | 22 12% | -15 -6% | 54 26% | 69 35% | 77 39% |
| 99791 | M3 Junction 4 (Southbound) | Rdabt | Frimley | 181 | 241 | 239 | 244 | 277 | 283 | 60 33% | -2 -1% | 5 2% | 38 16% | 33 14% | 39 16% |
| 99798 | M3 Junction 3 (Northbound) | Priority | Bagshot | 166 | 188 | 182 | 186 | 217 | 214 | 22 13% | -6 -3% | 4 2% | 35 19% | 31 17% | 28 15% |
| 99799 | M3 Junction 3 (Northbound) | Signal | Bagshot | 158 | 155 | 143 | 148 | 173 | 164 | -4 -2% | -12 -8% | 5 3% | 30 21% | 25 17% | 16 11% |
| 99761 | A30 London Rd, B3015 The Maultway, A325 Portsmouth Rd | Signal | Baghshot | 57 | 41 | 57 | 63 | 79 | 80 | -17 -29% | 17 41% | 6 11% | 22 38% | 16 25% | 17 27% |
| 99795 | A322 Bracknell Rd, A30 London Rd | Priority | Bagshot | 27 | 24 | 26 | 27 | 43 | 41 | -3 -12% | 2 10% | 1 5% | 17 66% | 16 58% | 13 49% |
| 99763 | A30 London Rd, B3015 The Maultway, A325 Portsmouth Rd | Signal | Bagshot | 45 | 43 | 56 | 67 | 73 | 73 | -2 -5% | 14 32% | 10 18% | 16 29% | 6 9% | 6 9% |
| 99753 | A322 Bracknell Rd, A30 Grove End | Priority | Bagshot | 7 | 12 | 11 | 12 | 22 | 24 | 5 78% | -2 -13% | 1 10% | 12 112% | 11 92% | 12 101% |
| 99796 | A322 Bracknell Rd, A30 London Rd | Priority | Bagshot | 23 | 12 | 19 | 19 | 30 | 29 | -11 -47% | 7 55% | 0 0% | 11 59% | 11 58% | 10 54% |

Table 5.13: Junctions that display changes in junction delay due to increase flow from all scenarios when compared to their relevant reference cases.

* The values shown in brackets are the percentage differences.

It should be noted that modelling represented in a strategic model produces outputs that are approximate projections, like many other outputs. This is due to the level of detail that can be included and represented in a strategic model, and can therefore inhibit some accuracy of the modelled junction's outputs. It is important to remember that junction delay increases exponentially, thus referring to how junction delay can increase considerably once passing a certain threshold. For instance flow breakdown and queuing can cause junction delay to increase rapidly for a single junction, and can also have continued effects on junction delay at other nearby junctions.



Figure 5.2: Location of the junctions with changes in junction delay based on largest increases in flow between Scenario C and A

- 5.3.6 *Table 5.13* indicates a general tend of increased junction delay at the listed junctions between the 2005 base and Scenario D. The junctions displaying the largest increases in junction delay are within the area of Bagshot (zone 362). Such increases in delay are prominent in Scenario C when compared to Scenario A, specifically at the A30 London Rd, The Maultway signalised junction and the priority junction of A30 Grove End and A322 Bracknell Road with increases in junction delay of 430% and 112% respectively.
- 5.3.7 The main areas of increased flow generating increased junction delay surround the interactions of the A30 / A322 in Bagshot, and M3 J3 and J4. These junctions are in close proximity to each other and zone 362 Bagshot, is a key zone that is to contain a large amount of additional departure trips in the AM peak hour.
- 5.3.8 A number of junctions are estimated to incur a minor reduction in junction delay (under 6%) in Scenario D when compared to Scenario C. This is related to Scenario D incorporating the DERA development which is outside the borough of Surrey Heath and can therefore re-distribute traffic and therefore impact flow and junction delay on Surrey Heath's network by a minimal amount.
- 5.3.9 The junctions stated to have an increase in delay in *Table 5.13* relate to the links stated to have an increase in flow in *Table 5.12*. For instance many of the links stated in *Table 5.12* are in very close proximity to the junctions, or contribute to the junctions in *Table 5.13*. For example the A322 Bracknell Road and A30 London Road feature multiple times in both tables displaying an increase in flow and junction delay (specifically the A322 Bracknell Road). This is due to an increase in delay being a result of increased flow.
- 5.3.10 The main areas affected by an increase in flow and junction delay are not isolated areas but centre on specific areas of Camberley, Bagshot, Lightwater and the approaches to M3 J4 Frimley.

5.4 Borough Bandwidth Plots – Volume/Capacity Ratio

- 5.4.1 Both the volume of traffic and level of congestion prevalent in the 2005 base, 2026 Do-Minimum and subsequent test scenarios: 2026 Scenarios A, B, C and D can be visualised using a coloured bandwidth plot on the road network. The volume/capacity ratios (VCR) are shown only for links within the borough boundaries of Surrey Heath with a VCR value greater than or equal to 0.85.
- 5.4.2 In *Figures 5.3* to 5.8 the width of the band is proportionate to the flow. The colour of the links relate to the VCR value e.g. links coloured orange have a VCR ranging between 0.85 and 0.99, see the key in the figure for more detail.



Figure 5.3: 2005 traffic volumes for the borough of Surrey Heath



Figure 5.4: 2026 Do-Minimum traffic volumes for the borough of Surrey Heath



Figure 5.5: 2026 Scenario A traffic volumes for the borough of Surrey Heath



Figure 5.6: 2026 Scenario B traffic volumes for the borough of Surrey Heath



Figure 5.7: 2026 Scenario C traffic volumes for the borough of Surrey Heath



Figure 5.8: 2026 Scenario D traffic volumes for the borough of Surrey Heath

- 5.4.3 The VCR plots of the borough of Surrey Heath indicate that levels of congestion and flow incrementally increase between the 2005 base, 2026 Do-Minimum and the four forecast scenarios, Scenarios A, B, C and D.
- 5.4.4 The levels of congestion between the 2026 Do-Minimum and Scenario A remain relatively constant but with Scenario A containing minimally higher flows and congestion levels. However in Scenarios B, C and D congestion levels increase and the VCR value on the M3 Junction 3 to 2 (northbound) increase to values between 0.85 and 0.99 (indicated by orange bandwidths).
- 5.4.5 Scenario D causes the highest VCR values out of all four scenarios and increases the number of links where the VCR reaches 0.85 or above. However, it should be noted that congestion is prominent on some links in the 2005 base and congestion and flow increases on these links into Scenario D, for example the A325 Portsmouth Road (Frimley) and the A322 Guildford Road (Bisley). Comparisons of Scenario C and Scenario A indicate that the areas with increased levels of congestion and flow are the M3 Junction 3 to 2, A322 (through Knaphill and West End) and local B roads surrounding Frimley / Mytchett and Deepcut such as B3015 The Maultway, B311 Red Road.
- 5.4.6 Further increases in congestion and flow are apparent on the B386 Chertsey Road/B386 Longcross Road at the eastern borough boundary. This is due to the link being in close proximity to the DERA development in Runnymede and small evidence of borough cross-boundary traffic impacts between Runnymede and Surrey Heath (see *Figure 5.8*).
- 5.4.7 The next set of figures; *Figures 5.9* to *5.32* are also VCR plots indicating the amount of proposed congestion on individual links. These figures are the same as the borough VCR plots (*Figures 5.3* to *5.8*) but are looking at the main strategic road network and junctions relating to Surrey Heath in more detail. The strategic road network covered in *Figures 5.9* to *5.32* is the M3 Junctions 3 and 4, M25 J11 and M25 Junction 12/M3 Junction 2.
- 5.4.8 The scale is provided for each set of strategic VCR plots. The key is the same for all plots and is displayed below.
- 5.4.9 *Figures* 5.9 to 5.32 display a general trend that levels of congestion do not increase by any major amount at the junctions surrounding and related to the borough of Surrey Heath. Where congestion is prominent and seen to increase is mainly on the local roads surrounding the strategic junctions, and congestion on the strategic network is only prominent in Scenarios C and D, which is related to the two large developments of PRB and DERA.

| Key | |
|-----------------|--|
| VCR 0.85 – 0.99 | |
| VCR 1.00 – 1.99 | |
| VCR 2.00 – 2.99 | |
| VCR > 3.00 | |

Key applies to all VCR plots

Volume/Capacity Ratio – M3 Junction 3



Figure 5.11: 2026 Scenario A traffic volumes, M3 Junction 3



Figure 5.12: 2026 Scenario B traffic volumes, M3 Junction 3

Scale

1,000 vph



Figure 5.13: 2026 Scenario C traffic volumes, M3 Junction 3



Figure 5.14: 2026 Scenario D traffic volumes, M3 Junction 3

5.4.10 The strategic network surrounding the M3 Junction 3 does not have VCR values greater than 0.85 in the 2005 base, 2026 Do-Minimum and Scenario A. However, in Scenario B on the main carriageway between Junctions 3 and 2 (travelling in a northbound direction) flow and levels of congestion increase to a value between 0.85 and 0.99. In Scenario C and D flow and levels of congestion continue to increase to have a VCR value between 0.85 and 0.99 on the northbound carriageway before and after Junction 3 (i.e. Junctions 4 to 3 and 3 to 2).

Volume/Capacity Ratio – M3 Junction 4



Figure 5.15: 2005 traffic volumes, M3 Junction 4







Figure 5.16: 2026 Do-Minimum traffic volumes, M3 Junction 4



Figure 5.17: 2026 Scenario A traffic volumes, M3 Junction 4

Figure 5.18: 2026 Scenario B traffic volumes, M3 Junction 4



Figure 5.19: 2026 Scenario C traffic volumes, M3 Junction 4



Figure 5.20: 2026 Scenario D traffic volumes, M3 Junction 4

5.4.11 *Figures 5.15* to 5.20 indicate that levels of congestion on the strategic network surrounding and at Junction 4 of the M3 do not reach a value equal to or greater than 0.85. This suggests that in all of the four tested scenarios the strategic network surrounding M3 Junction 4 is operating within capacity.

Volume/Capacity Ration – M25 Junction 11



Figure 5.21: 2005 traffic volumes, M25 Junction 11



Figure 5.23: 2026 Scenario A traffic volumes, M25 Junction 11





Figure 5.22: 2026 Do-Minimum traffic volumes, M25 Junction 11



Figure 5.24: 2026 Scenario B traffic volumes, M25 Junction 11



Figure 5.25: 2026 Scenario C traffic volumes, M25 J11



Figure 5.26: 2026 Scenario D traffic volumes, M25 Junction 11

5.4.12 Levels of congestion on the M25 Junction 11 in the 2005 base and 2026 Do-Minimum remain below a VCR value of 0.85. However, in the forecast scenarios (Scenario A, B, C and D) flow and congestion increases, specifically on the main carriageway of the M25 at Junction 11 travelling southbound i.e. M25 Junction 11 to 10. The VCR value of this link is between 0.85 and 0.99 in all of the four forecast scenarios, suggesting that this one specific link, between the off and on slips of the M25 Junction 11 southbound, is starting to operate slightly outside its means of capacity.
Volume/Capacity Ratio - M25 Junction 12 / M3 Junction 2



Figure 5.29: 2026 Scenario A traffic volumes, M25 J12/M3 J2



Figure 5.30: 2026 Scenario B traffic volumes, M25 J12/M3 J2

Scale

1,000 vph



Figure 5.31: 2026 Scenario C traffic volumes, M25 J12/M3 J2



Figure 5.32: 2026 Scenario D traffic volumes, M25 J12/M3 J2

5.4.13 *Figures* 5.27 to 5.32 indicate that levels of congestion remain relatively stable at the M25 Junction 12 / M3 Junction 2 from the 2005 base to Scenario D. Although the VCR plots do display congestion (as previously mentioned), on the M3 Junction 3 to 2 (travelling northbound) in Scenarios B, C and D. These figures relate to the M3 Junction 3 figures that highlight the same increases in VCR values (see *Figures* 5.12 to 5.14).

5.4.14 Further tabulated analysis of the strategic network including flows, free-flow and congested link travel time values and VCR values for each modelled scenario by modelled link in proximity to Surrey Heath are contained in *Appendix E*. The purpose of this analysis was to show a comparison of the actual VCR values which are represented in the VCR Plots contained in Figures 5.9 to 5.32.

5.5 Borough Bandwidth Plots – Difference in Flow

- 5.5.1 Changes in levels of traffic are shown using a bandwidth plot on the road network with comparison to the relevant reference cases. *Figures 5.33*.to *5.38* show the differences in traffic between the 2005 base year and the 2026 Do-Minimum, 2026 Do-Minimum and Scenario A, Scenario A and Scenario B, Scenario B and Scenario C and finally Scenario C and Scenario A for the entire borough of Surrey Heath (local roads). By comparing each scenario with their relevant reference cases it is possible to visualise the increases/decreases in traffic flows on individual links at a borough scale.
- 5.5.2 Where links are coloured blue, this indicates an increase in flow whereas links coloured yellow represent a decrease in traffic flow between the two scenarios in question. Due to the impacts of Scenarios C and D being two large developments that have not yet obtained planning permission (PRB and DERA), it was thought appropriate to compare Scenario D to Scenario B to see the general effects.
- 5.5.3 For reference *Figures 5.33* to 5.38 show the disposition of allocated growth by development type (commercial and residential) represented by pie charts. These plots are very similar to those produced in *Figures 3.1* to 3.8, although the plots shown below represent all trips (departures and arrivals summed). The allocated growth for commercial developments is shown in red and the residential developments in grey.
- 5.5.4 *Figures 5.33* to 5.38 indicate that all 2026 forecast scenarios experience a general increase in traffic flow when compared to their relevant reference cases. *Figure 5.33* displays the projected traffic growth between the 2005 base and the forecast year of 2026 (the Do-Minimum). Traffic flow is generally forecast to increase at a borough wide level and the links forecast to experience the greatest increases are part of the strategic road network within Surrey Heath, the M3.
- 5.5.5 *Figure 5.34* displays the increases in traffic flow between the 2026 Do-Minimum and Scenario A. Flow is estimated to increase by a small amount on the majority of the borough links. The largest increases in flow is estimated to occur in the more urban areas of the borough, namely the towns in the west i.e. Camberley and nearby Frimley. Unsurprisingly the flows are estimated to increase most on links surrounding the areas of the borough that are proposed to contain the largest proportions of development in Scenario A.
- 5.5.6 *Figure 5.35* illustrates that Scenario B has a similar impact (if not slightly less of an impact) on increasing flow in the borough to Scenario A. Flow is generally projected to increase in the borough of Surrey Heath in Scenario B but by a minimal amount when compared to Scenario A. The M3 is projected to incur a minimal amount of additional flow in Scenario B.

- 5.5.7 *Figure 5.36* indicates that flow is estimated to increase as well as decrease within areas of the borough in Scenario C when compared to Scenario B. It is important to note that the only difference between Scenario B and C is the inclusion of the PRB development in zone 365 Deepcut & Mytchett. Due to this a second centroid connector was added to zone 365 in Scenarios C and D to allow for more representative access points to the large proposed development in one zone. This additional centroid connector can be an explanation for why some links within or in close proximity to zone 365 experiences a decrease in flow, as route choice will be affected for trips in this zone. Overall links within the borough are estimated to experience a general increase in flow in Scenario C when compared to Scenario B, the M3 between Junctions 4 and 3 (travelling northbound) are subject to these small increases in flow.
- 5.5.8 Flow is expected to increase in a similar trend to that shown between Scenarios C and B, when comparisons are made between Scenario C and Scenario A (see *Figure 5.37*). This plot shows the aggregated impacts caused by Scenario C when compared to Scenario A.
- 5.5.9 *Figure 5.38* displays the differences in flow between Scenario D and Scenario B. It can be seen that the areas most impacted by changes in flow surround the locations of the two developments i.e. the south-west of the borough surrounding the PRB development and the east of the borough. Links displaying most prominent increases in flow in Scenario D when compared to Scenario B are B3015 Deepcut Bridge Road, B386 Longcross/Cherstey Road and the M3 Junction 3 to 2 (northbound).



Figure 5.33: 2026 Do-Minimum flow minus the 2005 base flow (results in the increases/decreases in flow between 2005 base and 2026 Do-Minimum being displayed)



Figure 5.34: 2026 Scenario A flow minus the 2026 Do-Minimum flow (results in the increases/decreases in flow between 2026 Do-Minimum and 2026 Scenario A being displayed)



Figure 5.35: 2026 Scenario B flow minus 2026 Scenario A flow (results in the increases/decreases in flow between 2026 Scenario A and 2026 Scenario B being displayed)



Figure 5.36: 2026 Scenario C flow minus 2026 Scenario B flow (results in the increases/decreases in flow between 2026 Scenario B and 2026 Scenario C being displayed)



Figure 5.37: 2026 Scenario C flow minus 2026 Scenario A flow (results in the increases/decreases in flow between 2026 Scenario C and 2026 Scenario A being displayed)



Figure 5.38: 2026 Scenario D flow minus 2026 Scenario B flow (results in the increases/decreases in flow between 2026 Scenario B and 2026 Scenario D being displayed)

- 5.5.10 *Figures 5.39* to 5.62 show more detailed plots of the differences in flow for all scenarios in all areas surrounding the key junctions of the strategic road network to the borough of Surrey Heath.
- 5.5.11 *Figures* 5.39 to 5.62 display exactly the same information as the borough changes in flow plots (*Figures* 5.33 to 5.38) but in greater detail. The following figures display the actual values of increases/decreases in flow on individual links. This is displayed by the small numbers above and below the link for each direction of flow. For example if the value of 10 is displayed above a link, the flow has increased by 10 vehicles, for the specified direction, between the two scenarios in comparison.



Difference in Flow – M3 Junction 3

Figure 5.39: 2026 Do-Minimum flow minus the 2005 base flow (results in the increases/decreases in flow between the 2005 base and 2026 Do-Minimum being displayed).



Figure 5.40: 2026 Scenario A flow minus the 2026 Do-Minimum flow (results in the increases/decreases in flow between the 2026 Do-Minimum and 2026 Scenario A being displayed).



Figure 5.41: 2026 Scenario B flow minus the 2026 Scenario A flow (results in the increases/decreases in flow between the 2026 Scenario A and 2026 Scenario B being displayed).



Figure 5.42: 2026 Scenario C flow minus the 2026 Scenario B flow (results in the increases/decreases in flow between the 2026 Scenario B and 2026 Scenario C being displayed).



Figure 5.43: 2026 Scenario C flow minus the 2026 Scenario A flow (results in the increases/decreases in flow between the 2026 Scenario A and 2026 Scenario C being displayed).



Figure 5.44: 2026 Scenario D flow minus the 2026 Scenario B flow (results in the increases/decreases in flow between the 2026 Scenario B and 2026 Scenario D being displayed).

- 5.5.12 *Figures 5.39* to 5.44 show the differences in flow for each scenario compared to their reference case for the area of the M3 Junction 3. A comparison between Scenario D and B is included as it displays the combined effects of the PRB and DERA development against Scenario B. A comparison between Scenario C and A is also included to highlight the overall effects of permitted and proposed developments in Surrey Heath
- 5.5.13 The largest increases in flow on the M3 and the slip roads of Junction 3 are between the 2005 base and 2026 Do-Minimum. This is related to background growth within the borough of Surrey Heath and national projected traffic growth for external trips to the borough of Surrey Heath.
- 5.5.14 *Figure 5.43* indicates that the links estimated to incur the largest increases in flow between Scenarios C and A is the northbound links on the M3 prior to and at Junction 3. The northbound carriageway prior to Junction 3 is estimates to incur an increase in flow of 322 vehicles and 285 vehicles on the northbound off-slip.
- 5.5.15 *Figure 5.44* illustrates that between Scenario B and Scenario D flow on the M3 between Junctions 4 and 3 (travelling northbound) is estimated to increase by approximately 250 vehicles. Similarly the M3 Junction 3 northbound slips on and off are estimated to incur increased flow of approximately 300 to 350 vehicles in Scenario D when compared to Scenario B.

Difference in Flow - M3 Junction 4

Figure 5.45: 2026 Do-Minimum flow minus the 2005 base flow (results in the increases/decreases in flow between the 2005 base and 2026 Do-Minimum being displayed).



Figure 5.46: 2026 Scenario A flow minus the 2026 Do-Minimum flow (results in the increases/decreases in flow between the 2026 Do-Minimum and 2026 Scenario A being displayed).



Figure 5.47: 2026 Scenario B flow minus the 2026 Scenario A flow (results in the increases/decreases in flow between the 2026 Scenario A and 2026 Scenario B being displayed).

Figure 5.48: 2026 Scenario C flow minus the 2026 Scenario B flow (results in the increases/decreases in flow between the 2026 Scenario B and 2026 Scenario C being displayed).

Figure 5.49: 2026 Scenario C flow minus the 2026 Scenario A flow (results in the increases/decreases in flow between the 2026 Scenario A and 2026 Scenario C being displayed).

Figure 5.50: 2026 Scenario D flow minus the 2026 Scenario B flow (results in the increases/decreases in flow between the 2026 Scenario B and 2026 Scenario D being displayed).

- 5.5.16 *Figures 5.45* to 5.50 display the differences in flow plots for the M3 Junction 4 for all scenarios and their reference cases.
- 5.5.17 The largest increases in flow on this section of the strategic network are within the 2026 Do-Minimum when compared to the 2005 base. This increase in flow is related to background growth and national traffic growth between 2005 and 2026.
- 5.5.18 Flow increases by a minimal amount on the main carriageway and slip roads in Scenarios A and B. However, the largest increases in flow on the M3 Junction 4 are in Scenario C and an outcome of the incorporation of the PRB development. Flow is projected to increase by approximately 400 vehicles on the M3 Junction 4 slip on in a northbound direction as well as on the main carriageway, Junctions 4 to 3, in Scenario C (see *Figure 5.48 and 5.49*).

Difference in Flow – M25 Junction 11

Figure 5.51: 2026 Do-Minimum flow minus the 2005 base flow (results in the increases/decreases in flow between the 2005 base and 2026 Do-Minimum being displayed).

Figure 5.52: 2026 Scenario A flow minus the 2026 Do-Minimum flow (results in the increases/decreases in flow between the 2026 Do-Minimum and 2026 Scenario A being displayed).

Figure 5.53: 2026 Scenario B flow minus the 2026 Scenario A flow (results in the increases/decreases in flow between the 2026 Scenario A and 2026 Scenario B being displayed).

Figure 5.54: 2026 Scenario C flow minus the 2026 Scenario B flow (results in the increases/decreases in flow between the 2026 Scenario B and 2026 Scenario C being displayed).

5.55: 2026 Scenario C flow minus the 2026 Scenario A flow (results in the increases/decreases in flow between the 2026 Scenario A and 2026 Scenario C being displayed).

Figure 5.56: 2026 Scenario D flow minus the 2026 Scenario B flow (results in the increases/decreases in flow between the 2026 Scenario B and 2026 Scenario D being displayed).

- 5.5.19 *Figures 5.51* to 5.56 indicate that the largest increases in flow on the M25 surrounding Junction 11 is in the 2026 Do-Minimum when compared to the 2005 base.
- 5.5.20 The M25 Junction 11 is impacted by a minimal amount of additional vehicles on the carriageway and slip roads in Scenarios A and B, as in Scenario A the largest increase in flow is approximately 55 vehicles and in Scenario B approximately 45 vehicles.
- 5.5.21 However, Scenario C generates a larger amount of additional vehicles to travel on the main carriageway of the motorway at Junction 11 in a northbound direction i.e. Junction 11 to 12. The largest increase in vehicles on the M25 link in Scenario C is approximately 400 vehicles travelling northbound between Junctions 11 and 12. This additional flow at Junction 11 between Scenario A/B and C is related to the inclusion of the PRB development in Scenario C.

Difference in Flow – M25 Junction 12 / M3 Junction 2

Figure 5.57: 2026 Do-Minimum flow minus the 2005 base flow (results in the increases/decreases in flow between the 2005 base and 2026 Do-Minimum being displayed).

Figure 5.58: 2026 Scenario A flow minus the 2026 Do-Minimum flow (results in the increases/decreases in flow between the 2026 Do-Minimum and 2026 Scenario A being displayed).

Figure 5.59: 2026 Scenario B flow minus the 2026 Scenario A flow (results in the increases/decreases in flow between the 2026 Scenario A and 2026 Scenario B being displayed).

Figure 5.60: 2026 Scenario C flow minus the 2026 Scenario B flow (results in the increases/decreases in flow between the 2026 Scenario B and 2026 Scenario C being displayed).

Figure 5.61: 2026 Scenario C flow minus the 2026 Scenario A flow (results in the increases/decreases in flow between the 2026 Scenario A and 2026 Scenario C being displayed).

Figure 5.62: 2026 Scenario D flow minus the 2026 Scenario B flow (results in the increases/decreases in flow between the 2026 Scenario B and 2026 Scenario D being displayed).

- 5.5.22 *Figures* 5.57 to 5.62 display the differences in flow plots for the M25 Junction12 / M3 Junction 2 for all forecast scenarios and their reference cases.
- 5.5.23 Again the largest increase in traffic flow is in the 2026 Do-Minimum when compared to the 2005 base. Increases in flow in the 2026 Do-Minimum are caused by background growth in the borough of Surrey Heath and national traffic growth between 2005 and 2026.
- 5.5.24 Scenarios A and B cause a minimal amount of increased flow at the M25 Junction 12 and M3 Junction 2 Interchange. The largest increase in flow being in Scenario B on the M3 Junction 3 to 2 (travelling northbound towards the interchange) with an increase of approximately 70 vehicles (see *Figure 5.59*).
- 5.5.25 Scenario C generates the largest changes in flow at the M25 and M3 interchange. A decrease in flow on the main M25 carriageway is apparent between Junctions 13 to 12 (southbound) when Scenario C is compared to Scenario B, a reduction of approximately 250 vehicles. Although an increase in flow on the M25 between Junctions 11 and 12 (northbound) of approximately 400 vehicles is shown when comparing Scenarios B and C. These changes in flow in Scenario C are a result of the re-distribution of trips due to the inclusion of the PRB development.

6 CONCLUSIONS

6.1 Summary

- 6.1.1 The aim of this study was to provide SHBC with an initial assessment, in transport terms, of their LDF Core Strategy by considering the impact of the proposed additional commercial and residential development could have on the highway network at a strategic level.
- 6.1.2 The main objectives of the evaluation were to:
 - Identify the locations and estimates of four scenarios (Scenario A, Scenario B, Scenario C and Scenario D) of commercial and residential development in the borough for the forecast year of 2026;
 - Compare the traffic impacts of these developments by developing traffic models for the forecast year and for the current situation (taken as 2005);
 - To develop specific forecasts for: 2026 Do-Minimum

2026 Scenario A 2026 Scenario B 2026 Scenario C 2026 Scenario D

- To provide comparisons between the forecast scenarios and their relevant reference cases.
- 6.1.3 2026 trip generation forecasts within the borough of Surrey Heath were derived from planning data obtained from SHBC and use of the TRICS database. These were used to develop 2026 forecast matrices to input into the SINTRAM strategic traffic model.
- 6.1.4 The modelling of these forecast scenarios enabled broad comparisons to be made between the forecast and base years, together with differences between the scenarios themselves.

6.2 Traffic Impacts of Development

- 6.2.1 All impacts stated and indicated in this evaluation concentrate on the borough of Surrey Heath. Therefore the evaluation is based solely on the projected amount of additional trips to be generated from SHBC's planning data between 2005 and 2026, therefore the traffic impacts produced from these additional trips are only analysed in the borough of Surrey Heath.
- 6.2.2 The Scenario A and B planning data differs only by their definition of approved and non-approved development by planning permission. Scenario A represents development that has been approved by planning permission only. Whereas Scenario B represents all development, irrespective of whether it has been approved by planning permission or note. Therefore Scenario B consists of approved and non-approved development. The third scenario, Scenario C, differs from Scenario B in one aspect only, the inclusion of the PRB development. Therefore Scenario C consists of approved and non-approved development plus the PRB development. The fourth and final scenario, Scenario D, includes the DERA development in the

neighbouring borough of Runnymede. It was thought necessary to evaluate any possible cross-borough boundary traffic impacts that could be generated by the DERA development. Therefore Scenario D consists of approved and non-approved development plus the PRB and DERA developments.

6.2.3 The travel matrix that illustrates growth in traffic is shown in *Table 6.1* for all forecast scenarios as well as the base and Do-Minimum.

| AM Vehicle Trips | 2005 | 2026 Do- | 2026 | 2026 | 2026 | 2026 |
|----------------------------------|-------|----------|------------|------------|------------|------------|
| | | Minimum | Scenario A | Scenario B | Scenario C | Scenario D |
| Surrey Heath Intra Borough Trips | 3,880 | 3,667 | 4,013 | 4,233 | 4,504 | 4,504 |
| External to Borough Trips | 5,712 | 6,011 | 6,790 | 6,978 | 7,119 | 7,181 |
| Borough to External Trips | 9,452 | 9,513 | 9,949 | 10,232 | 10,765 | 10,767 |

Table 7.1: Summary trip matrix, AM peak hour (0800 - 0900)

6.2.4 *Table 7.2* displays the estimated changes in summary statistics for total nonmotorway traffic flow within Surrey Heath during the AM peak hour for each tested scenario. Table 7.2 represents the cumulative differences in summary statistics between the current scenario and the previous scenario e.g. the difference between Scenario B and Scenario A.

| Vor Statistica | 2026 Do- | 2026 | 2026 | 2026 | 2026 |
|-------------------------------------|----------|------------|------------|------------|------------|
| Key Statistics | Minimum | Scenario A | Scenario B | Scenario C | Scenario D |
| Total Vahiala Kilomatraga (Vah Kms) | 224 671 | +8,005 | +2,919 | +9,053 | +5,124 |
| Total venicle Knometrage (ven Kins) | 224,071 | (+3.6%) | (+1.3%) | (+3.8%) | (+2.1%) |
| Total Link Travel Time (Veh Hrs) | 1 226 | +218 | +88 | +262 | +142 |
| Total Link Havel Time (Ven His) | 4,550 | (+5%) | (+1.9%) | (+5.6%) | (+2.9%) |
| Total Junction Dalay (Mah Um) | 2 204 | +179 | +76 | +7 | +83 |
| Total Junction Delay (Ven His) | 2,294 | (+7.8%) | (+3.1%) | (+0.3%) | (+3.2%) |
| Total Natural Travel Time (Mah Ura) | 6 620 | +398 | +164 | +268 | +226 |
| Total Network Travel Time (ven His) | 0,030 | (+6%) | (+2.3%) | (+3.7%) | (+3%) |
| Average Speed (Vm/hrs) | 50.1 | -0.3 | -0.2 | -0.9 | -0.2 |
| Average Speed (Km/ms) | 39.1 | (-0.5%) | (-0.3%) | (-1.5%) | (0.3%) |

Table 7.2: Changes in non-motorway summary statistics for all tested scenarios.

6.2.5 *Table 7.3* displays the estimated changes in summary statistics for total motorway traffic flow within Surrey Heath during the AM peak hour for each test scenario.

| Key Statistics | 2026 Do- Minimum | 2026 Scenario A | 2026 Scenario B | 2026 Scenario C | 2026 Scenario D |
|-------------------------------------|---------------------|--------------------|--------------------|--------------------|--------------------|
| Total Vahiala Kilomatraga (Vah Kms) | 158 202 | +727 | +2,262 | +4,453 | -531 |
| Total vehicle Knohetrage (veh Khis) | 136,205 | (+0.4%) | (+1.4%) | (+2.7%) | (-0.3%) |
| Total Link Travel Time (Veh Ure) | 1.626 | +10 | +35 | +71 | -9 |
| Total Link Travel Time (Ven His) | 1,030 | (+0.6%) | (+2.1%) | (+4.2%) | (-0.5%) |
| Average Speed (Vm/hrs) | 100.2 | 0 | -0.4 | -0.5 | +0.1 |
| Average Speed (Kni/nrs) | 100.2 | 0 | (-0.4%) | (-0.5%) | (+0.1%) |

Table 7.3: Changes in motorway summary statistics for all tested scenarios.

- 6.2.6 By comparing summary statistics and plots of traffic flows it is apparent that C has the largest isolated impacts on local traffic flows in Surrey Heath.
- 6.2.7 Minimal cross-borough boundary traffic impacts are generated from the DERA development in Scenario D. However, these cross-borough boundary impacts are

located to the east of the borough of Surrey Heath, in close proximity to the DERA development i.e. increased flows on the B386 Longcross/Chertsey Road. The PRB development (Scenario C) generates larger traffic impacts on the road network in Surrey Heath when compared to the impacts of the DERA development in the borough of Runnymede (Scenario D).

- 6.2.8 The distinct areas in the borough of Surrey Heath that is projected to be affected most by the additional trips generated from the proposed commercial and residential developments is York Town (zone 372), Bagshot (zone 362) and Deepcut & Mytchett (zone 365) (specifically in Scenario C). All of these areas are subject to receiving a large proportion of additional trips generated from the proposed developments. Specifically the A322 Bracknell Road corridor that passes through the M3 Junction 3 is the area to feel the highest impacts of increased traffic flow. The area surrounding the PRB development in Deepcut & Mytchett, specifically the B3015 Deepcut Bridge Road could also be impacted by increased flow and delay due to the proposed PRB development in Scenario C.
- 6.2.9 Further measures may be required in parts of the borough i.e. the A322 corridor and attributed local roads as well as the B3015 Deepcut Bridge Road (in Scenario C only), although more detailed investigation would be needed to confirm this. However, it is suggested that if any improvement plans were implemented then it would be beneficial to do this using integrated demand management measures.
- 6.2.10 Mitigation methods that may be implemented in the future have not been incorporated into this evaluation. Subsequently all projected traffic impacts referred to in the analysis of the transport evaluation could potentially act as worst-case scenarios.

APPENDICES APPENDIX A – COMMERCIAL PLANNING DATA

| Application Network Application (Kernere) Application (GEA un) Approved Approved (GEA un) Approved Approved Approved Nop- approved Approved Nop- approved Approved Nop- approved Approved | Zone | Planning | | | | Proposed Land | Proposed | Planning Status | |
|--|------|-------------|---|-------------|--------------------------------|----------------|-------------|-----------------|----------|
| 1 ^{mm} 7 Reference Concernment Date on the set of the set o | No | Application | Address | Land Use | Existing GFA (m ²) | | $GFA (m^2)$ | Approved | Non- |
| 371 2001.0181 Cessar (Unit 1) & Corinnhan (Unit 2) Riverside Way B2 9475 B1 9475 \checkmark 366 2004.0027 75 High Street A1 2086 A1 8497 \checkmark 372 2004.0540 The Atrium Park Street B1a 2086 A3 3496 \sim 372 2004.0540 The Atrium Park Street B1a 224 \sim B1a 224 \sim 372 2004.0540 The Atrium Park Street D1 D1 1110 \sim \sim D2 9376 \sim 372 2004.0545 505 Londom Road B1b 420 A1 429 \sim \sim D2 9376 \sim \sim 372 2004.0645 505 Londom Road B1b 420 A1 470 \sim \sim \sim D2 9376 \sim \sim \sim D3 \sim \sim D3 \sim \sim \sim D3 D3060056 D160.018.018.018.018.018.018.018.018.018.01 | 110. | / Reference | | Luna Ose | | 0.50 | 01/1 (m) | Approved | approved |
| 366 2004/0027 75 High Street C3 105 B8 105 \checkmark 372 2004/0340 The Artium Park Street A1 2086 A3 3496 \sim 372 2004/0340 The Artium Park Street B1a 208 A3 3496 \sim 372 2004/0340 The Artium Park Street D1 1110 \sim \sim 372 2004/0340 The Artium Park Street D1 1110 \sim \sim 372 2004/0451 505 London Road B1b 429 A1 429 \checkmark 372 2004/0455 505 London Road B1b A1 77 A3 77 \checkmark 364 2005/0786 230 Landon Road A1 77 A3 77 \checkmark \sim 362 2005/0786 Lini 3. Bayridel. Lucas Green Road B8 790 B8 630 \checkmark 362 2005/0596 Lini 3. Bayridel. Lucas Green Road Sui Generis 652 | 371 | 2001/0181 | Caesar (Unit 1) & Corinthian (Unit 2) Riverside Way | B2 | 9475 | B1 | 9475 | ✓ | |
| 372 2040/40540 The Artium Park Street Al 2006 Al 8497 \checkmark 372 2004/0540 The Artium Park Street Bla 2086 A3 3496 A 372 2004/0540 The Artium Park Street D1 1110 III A 372 2004/0540 The Artium Park Street D2 9376 - 372 2004/0545 505 London Road Bib 429 AI 429 \checkmark 372 2004/0645 505 London Road Bib 6429 AI 429 \checkmark - 372 2004/0645 505 London Road C3 62 B1a 63 - - 373 2006/0786 201 Landon Road C3 62 B1a 63 - <td>366</td> <td>2004/0027</td> <td>75 High Street</td> <td>C3</td> <td>105</td> <td>B8</td> <td>105</td> <td>✓</td> <td></td> | 366 | 2004/0027 | 75 High Street | C3 | 105 | B8 | 105 | ✓ | |
| 372 2004/0540 The Artium Park Street Bla 2086 A3 3406 372 2004/0540 The Artium Park Street Bla 224 Landon Bla 224 372 2004/0540 The Artium Park Street D1 1110 1110 1100 372 2004/0545 D5L London Road Blb 429 A1 429 \checkmark 372 2004/0545 D5L London Road Blb 429 A1 429 \checkmark 372 2004/0545 D5L London Road C3 62 Bla 6151 \cdot 371 2005/0786 230 London Road A1 77 \land \cdot 362 2005/0786 230 London Road C3 92 B8 92 \checkmark 363 2006/0596 Luni 3. Bayfeld, Lucas Green Road B8 790 B8 630 \checkmark 372 2006/0616 Herrill Lynch Europe Lid Stanbope Road A1 126 A5 126 \checkmark 362 2006/0956 Lini 3. Bayfeld, Lucas Green Road B1 B2 < | 372 | 2004/0540 | The Atrium Park Street | A1 | 2086 | A1 | 8497 | ✓ | |
| 372 20040540 The Artium Park Street D1 D1 372 20040540 The Artium Park Street D2 9376 \cdot 372 20040545 D5 London Road B1b 429 A1 429 \cdot 372 20040645 505 London Road B1b 429 A1 62 \cdot 371 20040645 505 London Road C3 62 B1a 62 \cdot 374 20040645 505 London Road C3 62 B1a 62 \cdot 371 20050095 112 Frimley Road C3 72 D1 72 \cdot 306 20050796 120 London Road C3 72 D1 7 \cdot 303 20060506 Unit 3, Bayrield, Lacas Green Road B8 790 B8 630 \cdot 302 2005096 Unit 3, Bayrield, Lacas Green Road A1 126 A5 126 \cdot 302 20060616 Merrill Lynch Europe Lof Standope Road A1 126 A5 126 \cdot | 372 | 2004/0540 | The Atrium Park Street | B1a | 2086 | A3 | 3496 | | |
| 372 20040540 The Atrium Park Street D1 1110 372 20040645 505 London Road Btb 429 A1 429 \checkmark 372 20040645 505 London Road Btb 429 A1 429 \checkmark 372 20040645 505 London Road B8 6151 \sim 374 20050056 112 Friniley Road C3 62 B1a 62 \checkmark 374 20050768 230 London Road C3 72 D1 72 \checkmark 366 200507961 10.4 12 Grace Reynolds Walk C3 72 D1 72 \checkmark 363 20060596 Unit 3, Bayfeld, Lacas Green Road B8 790 B8 630 \checkmark 372 20060616 Merill Lynch Europe LdS snahope Road Sui Generis 970 Sui Generis 1413 \checkmark 362 20050786 1 High Street Sui Generis 552 B1a 652 $+$ 362 20070176 Unit 5-6 Lawrence Way A1 94 \wedge $+$ $+$ <td>372</td> <td>2004/0540</td> <td>The Atrium Park Street</td> <td></td> <td></td> <td>B1a</td> <td>224</td> <td></td> <td></td> | 372 | 2004/0540 | The Atrium Park Street | | | B1a | 224 | | |
| 372 2004/0540 505 London Road Btb 429 A1 429 - 372 2004/0645 505 London Road Btb 429 A1 429 - 372 2004/0645 505 London Road C3 62 B1a 62 - 364 2004/1428 30, 32, 34 High Street C3 62 B1a 62 - 371 2005/0786 12 Frintley Road A1 77 A3 77 - 362 2005/0786 12 Grace Reynolds Walk C3 92 B8 92 - 363 2006/0596 Unit 3, Bayfield Lucas Green Road B8 790 B8 630 - 372 2005/0961 Merril Lynch Europe Lid Stanhope Road Sui Generis 9700 Sui Generis 14135 - 372 2005/0966 5 The Square Sui Generis 652 B1a 652 - 372 2007/0179 Unit 5-6 Lawrence Way B1c 2511 B8 964 - 372 2007/0179 Unit 5-6 Lawrence Way B1 135 C2 6133 - 372 2007/0179 Unit 5-6 Lawrence Way B1 1135 C2 | 372 | 2004/0540 | The Atrium Park Street | | | D1 | 1110 | | |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 372 | 2004/0540 | The Atrium Park Street | | | D2 | 9376 | • | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 372 | 2004/0645 | 505 London Road | B1b | 429 | A1 | 429 | ~ | |
| 364 2004/1428 30, 32, 34 High Street C3 62 Bla 62 \checkmark 371 20050095 112 frindley Road A1 77 A3 77 \checkmark 366 20050095 1230 London Road C3 72 D1 72 \checkmark 366 20050786 230 London Road C3 92 B8 92 \checkmark 363 20060596 Unit 3, Bayfield, Lucas Green Road C3 92 B8 630 \checkmark 372 20060516 Merrill Lynch Europe Lub Stanbope Road Sui Generis 9070 Sui Generis 1135 \checkmark 362 20060546 61 High Street A1 126 A5 126 \checkmark 364 200607016 Merril Lynch Europe Lub Stanbope Road Sui Generis 652 B1a 652 \checkmark 365 2007/0179 Unit 5-6 Lawrence Way B1c 2511 B8 964 \checkmark 372 2007/0179 Unit 5-6 Lawrence Way B1a 583 $-$ 372 2007/0179 Unit 5-6 Lawrence Way | 372 | 2004/0645 | 505 London Road | | | | 6151 | • | |
| 371 2005/095 112 Frimley Road A1 77 A3 77 \checkmark 362 2005/095 230 London Road C3 72 D1 72 \checkmark 363 2006/0596 Unit 3, Bayfield, Lucas Green Road B8 790 B8 630 \checkmark 363 2006/0596 Unit 3, Bayfield, Lucas Green Road B2 170 \cdot 372 2006/0516 Merrill Lynch Europe Ltd Stanhope Road Sui Generis 9070 Sui Generis 14135 \checkmark 366 2006/056 51 Begreins A1 126 A5 126 \checkmark 366 2006/056 51 Begreins 652 B1a 652 \checkmark 366 2007/0179 Unit 5-6 Lawrence Way B1c 2511 B8 964 \checkmark 372 2007/0179 Unit 5-6 Lawrence Way B1a 583 $-$ 372 2007/0179 Unit 5-6 Lawrence Way B1a 583 $-$ 372 2007/0179 Unit 5-6 Lawrence Way B1a 583 $-$ | 364 | 2004/1428 | 30, 32, 34 High Street | C3 | 62 | | 62 | ✓ | |
| 362 200 London Road C3 72 D1 72 \checkmark 366 2006 05961 Iol & 12 Grace Reynolds Walk C3 92 B8 92 \checkmark 363 2006 0596 Unit 3, Bayfield, Lucas Green Road B8 790 B8 630 \checkmark 372 2006 0566 Unit 3, Bayfield, Lucas Green Road B2 170 \cdot 362 2006 0566 High Street A1 126 A5 126 \checkmark 366 2006 0566 The Square Sui Generis 652 B1a 652 \checkmark 366 2007 0146 149 London Road A1 94 A2 94 \checkmark 372 2007 0179 Unit 5-6 Lawrence Way B1c 2511 B8 964 \checkmark 372 2007 0179 Unit 5-6 Lawrence Way B1c 2511 B8 964 \checkmark 372 2007 0179 Unit 5-6 Lawrence Way B1c 2511 B8 964 \checkmark 372 2007 0179 Unit 5-6 Lawrence Way B1c 251 B1a < | 371 | 2005/0095 | 112 Frimley Road | A1 | .1 77 | | 77 | ✓ | |
| 366 2005/091 10. & 12 Grace Reynolds Walk C3 92 B8 92 \checkmark 363 2006/0596 Unit 3, Bayfield, Lucas Green Road B8 790 B8 630 \checkmark 363 2006/0596 Unit 3, Bayfield, Lucas Green Road Sui Generis 9070 Sui Generis 14135 \checkmark 362 2006/0566 Merrill Lynch Europe Ld Stanhope Road Al 126 A5 126 \checkmark 366 2006/0566 5 The Square Sui Generis 652 Bla 652 \checkmark 366 2007/0179 Unit 5-6 Lawrence Way Blc 22111 B8 964 \checkmark 372 2007/0179 Unit 5-6 Lawrence Way Blc 22111 B8 964 \checkmark 372 2007/0179 Unit 5-6 Lawrence Way Bl 22 6133 \checkmark 372 2007/0179 Unit 5-6 Lawrence Way Bl B18 1018 Sui Generis 1135 C2 6133 \checkmark 371 2007/0355 Pantiles, 16 London Road Sui Generis 1135 C2 6133 | 362 | 2005/0786 | 230 London Road | C3 | C3 72 | | 72 | √ | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 366 | 2005/0991 | 10 & 12 Grace Reynolds Walk | C3 | 92 | B8 | 92 | ✓ | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | 363 | 2006/0596 | Unit 3, Bayfield, Lucas Green Road | B8 | 790 | B8 | 630 | ✓ | |
| 372 2006/0616 Merrill Lynch Europe Ltd Stanhope Road Sui Generis 9070 Sui Generis 14135 \checkmark 362 2006/0646 61 High Street A1 126 A5 126 \checkmark 366 2007/0146 149 London Road A1 94 A2 94 \checkmark 372 2007/0179 Unit 5-6 Lawrence Way B1c 2511 B8 964 \checkmark 372 2007/0179 Unit 5-6 Lawrence Way B1c 2511 B8 964 \checkmark 372 2007/0179 Unit 5-6 Lawrence Way B1c 2511 B8 964 \checkmark 372 2007/0179 Unit 5-6 Lawrence Way B1 583 \bullet 372 2007/0179 Unit 5-6 Lawrence Way B8 1018 Sui Generis 1135 C2 6133 \checkmark 372 2007/0255 Pantiles, 16 London Road B1 0 D1 1002 \checkmark $=$ 372 2007/0517 Unit 14, Craven Court, Stanhope Road, B8 378 Sui Generis 378 \checkmark $=$ <td>363</td> <td>2006/0596</td> <td>Unit 3, Bayfield, Lucas Green Road</td> <td></td> <td></td> <td>B2</td> <td>170</td> <td>•</td> <td></td> | 363 | 2006/0596 | Unit 3, Bayfield, Lucas Green Road | | | B2 | 170 | • | |
| 362 2006/0864 61 High Street A1 126 A5 126 \checkmark 366 2006/0966 5 The Square Sui Generis 652 B1a 652 \checkmark 366 2007/0146 149 London Road A1 94 A2 94 \checkmark 372 2007/0179 Unit 5-6 Lawrence Way B1c 2511 B8 964 \checkmark 372 2007/0179 Unit 5-6 Lawrence Way B1c 2511 B8 964 \checkmark 372 2007/0179 Unit 5-6 Lawrence Way B1a 583 \cdot 16 372 2007/0255 Pantiles, 16 London Road Sui Generis 1135 C2 6133 \checkmark 362 2007/0255 Pantiles, 16 London Road B8 1018 Sui Generis 1018 \checkmark 371 2007/0351 Colling wood College Kingston Road D1 0 D1 1022 \checkmark 372 2007/0535 Gollege Kingston Road pia n'a 0 B1c/B2/B8 9664 \checkmark 372 2007/0545 30 | 372 | 2006/0616 | Merrill Lynch Europe Ltd Stanhope Road | Sui Generis | 9070 | Sui Generis | 14135 | ✓ | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 362 | 2006/0864 | 61 High Street | A1 | 126 | A5 | 126 | \checkmark | |
| 366 $2007/0146$ 149 London Road $A1$ 94 $A2$ 94 \checkmark 372 $2007/0179$ $Unit 5-6 \text{ Lawrence Way}$ $B1c$ 2511 $B8$ 964 \checkmark 372 $2007/0179$ $Unit 5-6 \text{ Lawrence Way}$ $B1a$ 2533 \circ $B1a$ 583 \cdot 372 $2007/0125$ $Vnit 5-6 \text{ Lawrence Way}$ $B1a$ 583 \cdot \bullet 362 $2007/0255$ Pantiles, 16 London Road Sui Generis 1135 $C2$ 6133 \checkmark 371 $2007/0355$ $69-73$ James Road $B8$ 1018 Sui Generis 1018 \checkmark 368 $2007/0355$ Collingwood College Kingston Road $D1$ 0 $D1$ 1022 \checkmark 372 $2007/0737$ Redevelopment Site, 15 Doman Road n/a 0 $B1c/B2/B8$ 9664 \checkmark 374 $2007/0845$ $30-32$ Frimley High Street $B1a$ 126 $A1$ 485 \checkmark 374 $2007/033$ Land rear of 4 Guildford Road $B1c$ 304 $B8$ 284 \checkmark 374 $2007/0345$ $30-32$ Frimley High Street $B1b$ 359 \bullet \bullet 374 $2007/0345$ $30-32$ Frimley High Street $B1a$ 126 $A1$ 485 \checkmark 374 $2007/0345$ $30-32$ Frimley High Street $B1b$ 359 \bullet \bullet 374 $2007/0345$ $30-32$ Frimley High Street $B1a$ 126 $A1$ 485 \checkmark <td< td=""><td>366</td><td>2006/0966</td><td>5 The Square</td><td>Sui Generis</td><td>652</td><td>B1a</td><td>652</td><td>\checkmark</td><td></td></td<> | 366 | 2006/0966 | 5 The Square | Sui Generis | 652 | B1a | 652 | \checkmark | |
| 372 2007/0179 Unit 5-6 Lawrence Way B1c 2511 B8 964 \checkmark 372 2007/0179 Unit 5-6 Lawrence Way B2 964 | 366 | 2007/0146 | 149 London Road | A1 | 94 | A2 | 94 | ✓ | |
| 372 $2007/0179$ Unit 5-6 Lawrence Way B2 964 372 372 $2007/0179$ Unit 5-6 Lawrence Way B1a 583 . 362 $2007/0255$ Pantiles, 16 London Road Sui Generis 1135 C2 6133 . 371 $2007/0255$ $69-73$ James Road B8 1018 Sui Generis 1018 . 368 $2007/0255$ Collingwood College Kingston Road D1 0 D1 1022 . 372 $2007/0717$ Unit 14, Craven Court, Stanhope Road, B8 378 Sui Generis 378 . 372 $2007/07845$ $30-32$ Frimley High Street B1a 126 A1 485 . 374 $2007/0845$ $30-32$ Frimley High Street B1a 126 A1 485 . 372 $2007/0335$ Land rear of Guildford Road B1c 304 B8 284 . 374 $2007/0845$ $30-32$ Frimley High Street B1a 126 B1 502 . 362 | 372 | 2007/0179 | Unit 5-6 Lawrence Way | B1c | 2511 | B8 | 964 | \checkmark | |
| 372 $2007/0179$ Unit 5-6 Lawrence WayBla 583 . 362 $2007/0255$ Pantiles, 16 London RoadSui Generis 1135 C2 6133 \checkmark 371 $2007/0355$ $69-73$ James RoadB8 1018 Sui Generis 1018 \checkmark 368 $2007/0355$ Collingwood College Kingston RoadD10D1 1022 \checkmark 372 $2007/0517$ Unit 14, Craven Court, Stanhope Road,B8 378 Sui Generis 378 \checkmark 372 $2007/0763$ Redevelopment Site, 15 Doman Road n/a 0B1c/B2/B8 9664 \checkmark 374 $2007/0845$ $30-32$ Frimley High StreetB1a 126 A1 485 \checkmark 374 $2007/0845$ $30-32$ Frimley High StreetB1b 359 \sim \cdot 362 $2007/0355$ Land rear of 4 Guildford RoadB1c 304 B8 284 \checkmark 362 $2007/1023$ $59A$ London RoadB2 1920 $82/Sui$ Generis 1920 \checkmark 372 $2008/0270$ 13 and Land to the rear of Victoria AvenueB1 195 82 1920 \checkmark 372 $2008/0453$ 435 Pilgrims Well, London RoadB1a 90 $A2$ 90 \checkmark 372 $2008/0454$ 435 Pilgrims Well, London RoadB1a 90 $A2$ 90 \checkmark 372 $2008/0457$ Unit 2 Town Mill Bagshot RoadB1 76 $D1$ 76 \checkmark 372 <t< td=""><td>372</td><td>2007/0179</td><td>Unit 5-6 Lawrence Way</td><td></td><td></td><td>B2</td><td>964</td><td></td><td></td></t<> | 372 | 2007/0179 | Unit 5-6 Lawrence Way | | | B2 | 964 | | |
| 3622007/0255Pantiles, 16 London RoadSui Generis1135C26133 \checkmark 3712007/034569-73 James RoadB81018Sui Generis1018 \checkmark 3682007/0355Collingwood College Kingston RoadD10D11022 \checkmark 3722007/0757Unit 14, Craven Court, Stanhope Road,B8378Sui Generis378 \checkmark 3722007/0763Redevelopment Site, 15 Doman Roadn/a0B1c/B2/B89664 \checkmark 3742007/084530-32 Frimley High StreetB1a126A1485 \checkmark 3742007/084530-32 Frimley High StreetB1b359 \cdot 3622007/0735Land rear of 4 Guildford RoadB1c304B8284 \checkmark 3622007/102359A London RoadB2456B1502 \checkmark 3722008/01919 Doman RoadB21920B2/Sui Generis1920 \checkmark 3722008/027013 and Land to the rear of Victoria AvenueB1195B2195 \checkmark 3722008/0435435 Pilgrims Well, London RoadB1a90A290 \checkmark 3742008/0497Unit 2 Town Mill Bagshot RoadB176D176 \checkmark 3722008/0497Unit 2 Town Mill Bagshot RoadB176D176 \checkmark 3722008/0497Unit 2 Town Mill Bagshot RoadB176D176 \checkmark <t< td=""><td>372</td><td>2007/0179</td><td>Unit 5-6 Lawrence Way</td><td></td><td></td><td>B1a</td><td>583</td><td>•</td><td></td></t<> | 372 | 2007/0179 | Unit 5-6 Lawrence Way | | | B1a | 583 | • | |
| 371 $2007/0345$ $69-73$ James Road $B8$ 1018 Sui Generis 1018 \checkmark 368 $2007/0355$ Collingwood College Kingston RoadD10D1 1022 \checkmark 372 $2007/0517$ Unit 14, Craven Court, Stahhope Road,B8 378 Sui Generis 378 \checkmark 372 $2007/0763$ Redevelopment Site, 15 Doman Roadn/a0B1c/B2/B8 9664 \checkmark 374 $2007/0845$ $30-32$ Frimley High StreetB1a 126 A1 4855 \checkmark 374 $2007/0845$ $30-32$ Frimley High StreetB1b 359 \bullet \bullet 362 $2007/0935$ Land rear of 4 Guildford RoadB1c 3044 B8 284 \checkmark 362 $2007/023$ $59A$ London RoadB2 456 B1 502 \checkmark 372 $2008/0191$ 9 Doman RoadB2 1920 $B2/Sui Generis$ 1920 \checkmark 372 $2008/0270$ 13 and Land to the rear of Victoria AvenueB1 195 B2 195 \checkmark 372 $2008/0435$ 435 Pilgrims Well, London RoadB1a 90 A2 90 \checkmark 372 $2008/0435$ Hilliers Garden Centre London RoadB1 76 D1 76 \checkmark 372 $2008/0435$ Hilliers Garden Centre London RoadSui Generis 1846 Sui Generis 1908 \checkmark 363 $2008/028$ Hilliers Garden Centre London RoadSui Generis 1846 Sui Generis </td <td>362</td> <td>2007/0255</td> <td>Pantiles, 16 London Road</td> <td>Sui Generis</td> <td>1135</td> <td>C2</td> <td>6133</td> <td>\checkmark</td> <td></td> | 362 | 2007/0255 | Pantiles, 16 London Road | Sui Generis | 1135 | C2 | 6133 | \checkmark | |
| 368 $2007/0355$ Collingwood College Kingston RoadD10D1 1022 \checkmark 372 $2007/0517$ Unit 14, Craven Court, Stanhope Road,B8 378 Sui Generis 378 \checkmark 372 $2007/0763$ Redevelopment Site, 15 Doman Road n/a 0B1c/B2/B8 9664 \checkmark 374 $2007/0845$ 30.32 Frimley High StreetB1a 126 A1 485 \checkmark 374 $2007/0845$ 30.32 Frimley High StreetB1b 359 \cdot \cdot 362 $2007/0355$ Land rear of 4 Guildford RoadB1c 304 B8 284 \checkmark 362 $2007/0355$ Land rear of 4 Guildford RoadB1c 304 B8 284 \checkmark 362 $2007/0355$ Land rear of 4 Guildford RoadB1c 304 B8 284 \checkmark 372 $2008/0191$ 9 Doman RoadB2 456 B1 502 \checkmark 372 $2008/0270$ 13 and Land to the rear of Victoria AvenueB1195B2195 \checkmark 372 $2008/0435$ 435 Pilgrims Well, London RoadB1a90A290 \checkmark 372 $2008/0435$ 435 Pilgrims Well, London RoadB176D176 \checkmark 372 $2008/0435$ 435 Pilgrims Well, London RoadB1a90A290 \checkmark 370 $2008/0928$ Hilliers Garden Centre London RoadSui Generis1846Sui Generis1908 \checkmark 363 | 371 | 2007/0345 | 69-73 James Road | B8 | 1018 | Sui Generis | 1018 | ✓ | |
| 372 $2007/0517$ Unit 14, Craven Court, Stanhope Road,B8 378 Sui Generis 378 \checkmark 372 $2007/053$ Redevelopment Site, 15 Doman Roadn/a0B1c/B2/B89664 \checkmark 374 $2007/0845$ $30-32$ Frimley High StreetB1a126A1485 \checkmark 374 $2007/0845$ $30-32$ Frimley High StreetB1b 359 \cdot \cdot 362 $2007/0935$ Land rear of 4 Guildford RoadB1c 304 B8 284 \checkmark 362 $2007/023$ 59A London RoadB2456B1 502 \checkmark 372 $2008/0191$ 9 Doman RoadB21920B2/Sui Generis1920 \checkmark 372 $2008/0270$ 13 and Land to the rear of Victoria AvenueB1195B2195 \checkmark 372 $2008/0435$ 435 Pilgrims Well, London RoadB1a90A290 \checkmark 372 $2008/0435$ 435 Pilgrims Well, London RoadB1a90A290 \checkmark 374 $2008/0435$ 435 Pilgrims Garden Centre London RoadB176D176 \checkmark 364 $2008/097$ Unit 2 Town Mill Bagshot RoadB176D176 \checkmark 363 $2008/1022$ Willow Farm Bagshot RoadSui Generis1846Sui Generis1908 \checkmark 363 $2008/1022$ Willow Farm Bagshot RoadN/aN/aB1c83 \checkmark 372 $2008/1022$ Willow | 368 | 2007/0355 | Collingwood College Kingston Road | D1 | 0 | D1 | 1022 | ✓ | |
| 372 $2007/0763$ Redevelopment Site, 15 Doman Roadn/a0 $B1c/B2/B8$ 9664 \checkmark 374 $2007/0845$ $30-32$ Frimley High Street $B1a$ 126 A1 485 \checkmark 374 $2007/0845$ $30-32$ Frimley High Street $B1b$ 359 \checkmark \checkmark 362 $2007/0935$ Land rear of 4 Guildford Road $B1c$ 304 $B8$ 284 \checkmark 362 $2007/1023$ $59A$ London Road $B2$ 456 $B1$ 502 \checkmark 372 $2008/0191$ 9 Doman Road $B2$ 1920 $B2/Sui$ Generis 1920 \checkmark 372 $2008/0270$ 13 and Land to the rear of Victoria Avenue $B1$ 195 $B2$ 195 \checkmark 372 $2008/0435$ 435 Pilgrims Well, London Road $B1a$ 90 $A2$ 90 \checkmark 372 $2008/0435$ 435 Pilgrims Vell, London Road $B1a$ 90 $A2$ 90 \checkmark 374 $2008/0435$ 435 Pilgrims Vell, London Road $B1$ 76 $D1$ 76 \checkmark 372 $2008/0435$ Hilliers Garden Centre London RoadSui Generis 1846 Sui Generis 1908 \checkmark 374 $2008/028$ Hilliers Garden Centre London RoadSui Generis 1846 Sui Generis 1908 \checkmark 372 $2008/1122$ Willow Farm Bagshot Road n/a n/a $B1c$ 83 \checkmark 372 $2008/1119$ 55 The Avenue $C3$ 160 | 372 | 2007/0517 | Unit 14, Craven Court, Stanhope Road, | B8 | 378 | Sui Generis | 378 | ✓ | |
| 374 $2007/0845$ $30-32$ Frimley High StreetB1a 126 A1 485 \checkmark 374 $2007/0845$ $30-32$ Frimley High StreetB1b 359 \cdot \cdot 362 $2007/0935$ Land rear of 4 Guildford RoadB1c 304 B8 284 \checkmark 362 $2007/1023$ $59A$ London RoadB2 456 B1 502 \checkmark 372 $2008/0191$ 9 Doman RoadB2 1920 B2/Sui Generis 1920 \checkmark 372 $2008/0270$ 13 and Land to the rear of Victoria AvenueB1 195 B2 195 \checkmark 372 $2008/0435$ 435 Pilgrims Well, London RoadB1a 90 A2 90 \checkmark 372 $2008/0435$ 435 Pilgrims Well, London RoadB1 76 D1 76 \checkmark 370 $2008/0928$ Hilliers Garden Centre London RoadSui Generis 1846 Sui Generis 1908 \checkmark 363 $2008/1022$ Willow Farm Bagshot Road n/a n/a n/a $B1c$ 83 \checkmark | 372 | 2007/0763 | Redevelopment Site, 15 Doman Road | n/a | 0 | B1c/B2/B8 | 9664 | \checkmark | |
| 374 $2007/0845$ $30-32$ Frimley High StreetB1b 359 ··· 362 $2007/0935$ Land rear of 4 Guildford RoadB1c 304 B8 284 ✓ 362 $2007/1023$ $59A$ London RoadB2 456 B1 502 ✓ 372 $2008/0191$ 9 Doman RoadB2 1920 B2/Sui Generis 1920 ✓ 372 $2008/0270$ 13 and Land to the rear of Victoria AvenueB1 195 B2 195 ✓ 372 $2008/0435$ 435 Pilgrims Well, London RoadB1a 90 A2 90 ✓ 364 $2008/0697$ Unit 2 Town Mill Bagshot RoadB1 76 D1 76 ✓ 370 $2008/028$ Hilliers Garden Centre London RoadSui Generis 1846 Sui Generis 1908 ✓ 363 $2008/1022$ Willow Farm Bagshot Road n/a n/a B1c 83 ✓ 372 $2008/1119$ 55 The AvenueC3 160 C1 160 ✓ | 374 | 2007/0845 | 30-32 Frimley High Street | Bla | 126 | A1 | 485 | ✓ | |
| 362 $2007/0935$ Land rear of 4 Guildford RoadB1c 304 B8 284 \checkmark 362 $2007/1023$ $59A$ London RoadB2 456 B1 502 \checkmark 372 $2008/0191$ 9 Doman RoadB2 1920 B2/Sui Generis 1920 \checkmark 372 $2008/0270$ 13 and Land to the rear of Victoria AvenueB1 195 B2 195 \checkmark 372 $2008/0270$ 13 and Land to the rear of Victoria AvenueB1 90 A2 90 \checkmark 372 $2008/0435$ 435 Pilgrims Well, London RoadB1 76 D1 76 \checkmark 364 $2008/097$ Unit 2 Town Mill Bagshot RoadB1 76 D1 76 \checkmark 370 $2008/028$ Hilliers Garden Centre London RoadSui Generis 1846 Sui Generis 1908 \checkmark 363 $2008/1022$ Willow Farm Bagshot Road n/a n/a n/a $B1c$ 83 \checkmark 372 $2008/119$ 55 The AvenueC3 160 C1 160 \checkmark | 374 | 2007/0845 | 30-32 Frimley High Street | B1b | 359 | | | • | |
| 362 $2007/1023$ $59A$ London Road $B2$ 456 $B1$ 502 \checkmark 372 $2008/0191$ 9 Doman Road $B2$ 1920 $B2/Sui$ Generis 1920 \checkmark 372 $2008/0270$ 13 and Land to the rear of Victoria Avenue $B1$ 195 $B2$ 195 \checkmark 372 $2008/0435$ 435 Pilgrims Well, London Road $B1a$ 90 $A2$ 90 \checkmark 364 $2008/0697$ Unit 2 Town Mill Bagshot Road $B1$ 76 $D1$ 76 \checkmark 370 $2008/028$ Hilliers Garden Centre London RoadSui Generis 1846 Sui Generis 1908 \checkmark 363 $2008/1022$ Willow Farm Bagshot Road n/a n/a $B1c$ 83 \checkmark 372 $2008/119$ 55 The Avenue $C3$ 160 $C1$ 160 \checkmark | 362 | 2007/0935 | Land rear of 4 Guildford Road | B1c | 304 | B8 | 284 | ✓ | |
| 372 $2008/0191$ 9 Doman Road $B2$ 1920 $B2/Sui$ Generis 1920 \checkmark 372 $2008/0270$ 13 and Land to the rear of Victoria Avenue $B1$ 195 $B2$ 195 \checkmark 372 $2008/0435$ 435 Pilgrims Well, London Road $B1a$ 90 $A2$ 90 \checkmark 364 $2008/0697$ Unit 2 Town Mill Bagshot Road $B1$ 76 $D1$ 76 \checkmark 370 $2008/028$ Hilliers Garden Centre London RoadSui Generis 1846 Sui Generis 1908 \checkmark 363 $2008/1022$ Willow Farm Bagshot Road n/a n/a $B1c$ 83 \checkmark 372 $2008/1119$ 55 The Avenue $C3$ 160 $C1$ 160 \checkmark | 362 | 2007/1023 | 59A London Road | B2 | 456 | B1 | 502 | \checkmark | |
| 372 $2008/0270$ 13 and Land to the rear of Victoria Avenue $B1$ 195 $B2$ 195 \checkmark 372 $2008/0435$ 435 Pilgrims Well, London Road $B1a$ 90 $A2$ 90 \checkmark 364 $2008/0697$ Unit 2 Town Mill Bagshot Road $B1$ 76 $D1$ 76 \checkmark 370 $2008/028$ Hilliers Garden Centre London RoadSui Generis 1846 Sui Generis 1908 \checkmark 363 $2008/1022$ Willow Farm Bagshot Road n/a n/a $B1c$ 83 \checkmark 372 $2008/119$ 55 The Avenue $C3$ 160 $C1$ 160 \checkmark | 372 | 2008/0191 | 9 Doman Road | B2 | 1920 | B2/Sui Generis | 1920 | \checkmark | |
| 372 $2008/0435$ 435 Pilgrims Well, London Road $B1a$ 90 $A2$ 90 \checkmark 364 $2008/0697$ Unit 2 Town Mill Bagshot Road $B1$ 76 $D1$ 76 \checkmark 370 $2008/0928$ Hilliers Garden Centre London RoadSui Generis 1846 Sui Generis 1908 \checkmark 363 $2008/1022$ Willow Farm Bagshot Road n/a n/a $B1c$ 83 \checkmark 372 $2008/1119$ 55 The Avenue $C3$ 160 $C1$ 160 \checkmark | 372 | 2008/0270 | 13 and Land to the rear of Victoria Avenue | B1 | 195 | B2 | 195 | ✓ | |
| 364 2008/0697 Unit 2 Town Mill Bagshot Road B1 76 D1 76 ✓ 370 2008/0928 Hilliers Garden Centre London Road Sui Generis 1846 Sui Generis 1908 ✓ 363 2008/1022 Willow Farm Bagshot Road n/a n/a B1c 83 ✓ 372 2008/1119 55 The Avenue C3 160 C1 160 ✓ | 372 | 2008/0435 | 435 Pilgrims Well, London Road | Bla | 90 | A2 | 90 | ✓ | |
| 370 2008/0928 Hilliers Garden Centre London Road Sui Generis 1846 Sui Generis 1908 ✓ 363 2008/1022 Willow Farm Bagshot Road n/a n/a B1c 83 ✓ 372 2008/1119 55 The Avenue C3 160 C1 160 ✓ | 364 | 2008/0697 | Unit 2 Town Mill Bagshot Road | B1 | 76 | D1 | 76 | ✓ | |
| 363 2008/1022 Willow Farm Bagshot Road n/a n/a B1c 83 ✓ 372 2008/1119 55 The Avenue C3 160 C1 160 ✓ | 370 | 2008/0928 | Hilliers Garden Centre London Road | Sui Generis | 1846 | Sui Generis | 1908 | ✓ | |
| 372 2008/1119 55 The Avenue C3 160 C1 160 ✓ | 363 | 2008/1022 | Willow Farm Bagshot Road | n/a | n/a | B1c | 83 | ✓ | |
| | 372 | 2008/1119 | 55 The Avenue | C3 | 160 | C1 | 160 | ✓ | |

| 7 | Planning | | E | | Deserved I and | D | Planning Status | |
|------|-------------|---|-------------|--------------------------------|----------------|-----------------------|-----------------|----------|
| Zone | Application | Address | Existing | Existing GFA (m ²) | Proposed Land | CEA (m ²) | A | Non- |
| 190. | / Reference | | Land Use | | Use | GFA (III²) | Approved | approved |
| 371 | 2001/0651 | Centurion (Unit 6) Riverside Way | B2 | 4144 | B1 | 4144 | ✓ | |
| 372 | 2001/1026 | Land at Nelson Way & Trafalgar Way | B1c | 3770 | B1 | 20850 | ✓ | |
| 372 | 2001/1026 | Land at Nelson Way & Trafalgar Way | B8 | 13178 | | | | |
| 372 | 2001/1026 | Land at Nelson Way & Trafalgar Way | B1 | 945 | | | • | |
| 371 | 2001/1239 | Units 4 and 7 Riverside Way | B2 | 2656 | B1 | 2656 | ✓ | |
| 372 | 2001/1321 | 1-10 Lawrence Way | B1 | 8740 | B1a | 13470 | ✓ | |
| 372 | 2002/0619 | Victoria Court Victoria Road | A2 | 162 | C3 | 162 | ✓ | |
| 374 | 2003/0644 | BAE Systems Lyon Way | B1 21832 | | B1 | 32515 | ✓ | |
| 369 | 2003/1036 | 138 Frimley Road | A1 | A1 63 . | | 63 | ✓ | |
| 372 | 2004/0153 | Unit 9 Lawrence Way | B1c | 800 | B8 | 800 | ✓ | |
| 370 | 2004/0192 | Q8 Petrol Filling Station London Road | Sui Generis | 98 | Sui Generis | 98 | ✓ | |
| 372 | 2004/0728 | Unit 9 & 10 Trafalgar Way, Tuscam Trading Estate | B1c | 1094 | B2 | 2198 | ✓ | |
| 372 | 2004/0728 | Unit 9 & 10 Trafalgar Way, Tuscam Trading Estate | B8 | 1104 | | | • | |
| 366 | 2004/1050 | St Georges Court and 9 High Street | A1 | 371 | A1 | 560 | ✓ | |
| 366 | 2004/1050 | St Georges Court and 9 High Street | Bla | 149 | | | • | |
| 365 | 2004/1137 | 117 Deepcut Bridge Road | C3 | 71 | B1a | 71 | ✓ | |
| 372 | 2005/0426 | 1 Priory Court Tuscam Way | Bla | 191 | B1a | 238 | ✓ | |
| 366 | 2005/0436 | Heatherside House, 83 Park Street | B2 | 2319 | B1 | 1656 | ✓ | |
| 363 | 2005/0460 | West End Garage Guildford Road | B1a | 270 | B1a | 285 | ✓ | |
| 363 | 2005/0460 | West End Garage Guildford Road | | | B8 | 235 | • | |
| 372 | 2005/0629 | 4 Priory Court Tuscam Way | B1a | 520 | B1a | 575 | ✓ | |
| 366 | 2005/0841 | 6 - 8 and adjacent open space Grace Reynolds Walk | C3 | 1 | A1 | 460 | ✓ | |
| 523 | 2006/0128 | Princess Christian Homes Stafford Lake | C2 | 2486 | C2 | 3186 | ✓ | |
| 371 | 2006/0222 | Kingsclear Nursing Home Park Road | C2 | 3800 | C2 | 5547 | ✓ | |
| 372 | 2006/0373 | Land at 4-8 Oakley Road | B1a | 25 | B1a | 135 | ✓ | |
| 372 | 2006/0373 | Land at 4-8 Oakley Road | B8 | 214 | B8 | 83 | • | |
| 377 | 2006/0723 | Frimley Hall Hotel (Heritage Frimley Hall) Frimley Hall Drive | C1 | 4281 | C1 | 4629 | ✓ | |
| 372 | 2006/1021 | Unit C Watchmoor Point | B1a | 687 | B1 | 1374 | ✓ | |
| 372 | 2006/1021 | Unit C Watchmoor Point | B1b | 687 | | | • | |
| 364 | 2006/1214 | Bridge House, 106 High Street | A1 | 181 | A1 | 181 | ✓ | |
| 372 | 2007/0151 | 52 park street | A5 | 286 | A1 | 1385 | ✓ | |
| 372 | 2007/0151 | 52 park street | B1 | 589 | | | • | |
| 366 | 2007/0225 | 86 High Street | A1, A3 | 84 | A2 | 84 | ✓ | |
| 372 | 2007/0305 | Development Site, 557-593 London Road | Vacant | n/a | B8 | 2030 | ✓ | |
| 372 | 2007/0339 | GBC UK (Former Rumbold / Britax Unit) Glebeland Road | B2 | 2875 | Sui Generis | 2875 | \checkmark | |
| 372 | 2007/0869 | 16 Doman Road | B2 | 620 | B2 | 664 | \checkmark | |
| 372 | 2007/0869 | 16 Doman Road | | | B8 | 421 | • | |
| 377 | 2007/0988 | 61 and 63 London Road | C3 | 2 | C2 | 1930 | \checkmark | |
| 365 | 2007/1009 | Former MOD Fire Station Deepcut Bridge Road | n/a | 0 | B1 | 1839 | \checkmark | |
| 372 | 2007/1158 | Land East of Bracebridge Road | n/a | 0 | B8 | 891 | ✓ | |

| 7 | Planning | | | | Duranand Land | Duran and | Planning Status | |
|------|-------------|--|----------------------|--------------------------------|-------------------------|-------------|-----------------|----------|
| Zone | Application | Address | Existing Land Use | Existing GFA (m ²) | Proposed Land | $CFA (m^2)$ | Approved | Non- |
| 110. | / Reference | | Lanu Ose | | 030 | OFA (m) | Approved | approved |
| 372 | 2007/1177 | Watchmoor Trade Centre Watchmoor Road | B1a | 1195 | Bla | 2328 | ~ | |
| 372 | 2007/1177 | Watchmoor Trade Centre Watchmoor Road | B1c | 626 | | | | |
| 372 | 2007/1177 | Watchmoor Trade Centre Watchmoor Road | B8 | 315 | | | • | |
| 372 | 2007/1281 | 191 (Formerly Sanhurst Tup) and 12.14 & 16 and land to rear, London Road & Park Street | B1a | 270 | C1 | 3754 | \checkmark | |
| 372 | 2007/1281 | 191 (Formerly Sanhurst Tup) and 12.14 & 16 and land to rear, London Road & Park Street | A4 | 415 | A3/A4 | 634 | | |
| 372 | 2007/1281 | 191 (Formerly Sanhurst Tup) and 12.14 & 16 and land to rear, London Road & Park Street | A2 | 87 | A3 | 323 | | |
| 372 | 2007/1281 | 191 (Formerly Sanhurst Tup) and 12.14 & 16 and land to rear, London Road & Park Street | A3 | 170 | A1 | 393 | | |
| 372 | 2007/1281 | 191 (Formerly Sanhurst Tup) and 12.14 & 16 and land to rear, London Road & Park Street | | | A1/A2/A3 | 376 | • | |
| 362 | 2007/1302 | 28 - 32 London Road | C3 | 2 | C2 | 2583 | ✓ | |
| 366 | 2007/1346 | 29B & 29C High Street | A1 | 31 | B1a | 189 | ~ | |
| 366 | 2007/1346 | 29B & 29C High Street | B8 | 86 | B8 | 39 | • | |
| 365 | 2008/0044 | 119 Deepcut Bridge Road | A1 | 127 | B1a | 113 | ✓ | |
| 362 | 2008/0409 | Premier Travel Inn, The Cricketers, 1 London Road | | 500 | A3 | 20 | ✓ | |
| 362 | 2008/0409 | Premier Travel Inn, The Cricketers, 1 London Road | | 1600 | C1 | 1840 | • | |
| 370 | 2008/0417 | Land adjacent Oak Tree Cottage New Road | B1a | 45 | B1a | 74 | ✓ | |
| 370 | 2008/0417 | Land adjacent Oak Tree Cottage New Road | B8 | 137 | B8 | 128 | • | |
| 372 | 2008/0429 | 475 - 477 London Road | B1a | 190 | C1 | 107 | ✓ | |
| 372 | 2008/0429 | 475 - 477 London Road | | | Sui generis | 83 | • | |
| 364 | 2008/0533 | St Johns Ambulance Centre, 16B Bowling Green Road | D2 | 0 | Sui generis | 84 | ✓ | |
| 362 | 2008/0613 | West Lodge, Hall Grove Farm London Road | C3 | 208 | Bla | 208 | ✓ | |
| 365 | 2008/0721 | Potters Steak House Mytchett Place Road | B8 | 270 | C1 | 270 | ✓ | |
| 366 | 2008/0829 | 25 High Street | A1 | 90 | A1 | 152 | ✓ | |
| 366 | 2008/0970 | St Georges Court St Georges Road | A1 | 371 | A1 | 560 | ✓ | |
| 366 | 2008/0970 | St Georges Court St Georges Road | B1a | 149 | | | • | |
| 362 | 2008/1035 | 52 - 54 London Road | B2 | 300 | B2 | 340 | ✓ | |
| 364 | 2008/1116 | Pennypot Nursery School Pennypot Lane | D1 | 397 | D1 | 437 | ✓ | |
| 362 | 2009/0030 | 90 London Road | B2 | 206 | B2 | 238 | ✓ | |
| 373 | 2009/0125 | 219 Frimley Green Road | A1 | 60 | A3 | 60 | ✓ | |
| 370 | 2009/0275 | Lilly Research Centre, Erlwood Manor London Road | B1a | 26980 | B1a | 27362 | ✓ | |
| 372 | 2009/0386 | Ground Floor, Basset House, 5 Southwell Park Road | Bla | 163 | D1 | 163 | ✓ | |
| 374 | 2009/0433 | 92A Frimley High Street | B1a | 93 | 1 no. 3-bed flat | 93 | ✓ | |
| 366 | 2009/0449 | 24A High Street | B1 | 120 | 2 no. 2 bed flats | 120 | ✓ | |
| 365 | 2009/0483 | Linsford Business Park & Linsford Farm Linsford Lane | B8 | 31 | B1c | 458 | ✓ | |
| 372 | 2009/0524 | Unit 13 Nelson Way | Sui Generis | 485 | B8 | 485 | ✓ | |
| 364 | 2009/0573 | Land adjacent to Albury Farm Gracious Pond Road | Sui Generis | 530 | B1c | 320 | ~ | |
| 364 | 2009/0573 | Land adjacent to Albury Farm Gracious Pond Road | Sui Generis | | B8 | 210 | • | |
| 362 | 2009/0680 | 40 Church Road | D1 | 63 | 1 3 bed house | 63 | ~ | |
| 371 | 2009/0758 | 69 - 73 James Road | Sui Generis | 969 | B1c, B8, Sui Generis | 969 | ~ | |
| 366 | 2009/0805 | Sun House Pembroke Broadway | B1a | 2582 | A3 | 873 | √ | |

| Zono | Planning | | Existing | | Proposed Land | Proposed | Planning Status | |
|------|----------------------------|---|--------------------|--------------------------------|--------------------------------------|-----------------------|-----------------|------------------|
| No. | Application / Reference | Address | Land Use | Existing GFA (m ²) | Use | GFA (m ²) | Approved | Non- approved |
| 366 | 2009/0805 | Sun House Pembroke Broadway | | | C1 | 3099 | • | |
| 372 | 2009/0836 | 5 Admiralty Way | Sui Generis | 723 | B1b, B2, B8 | 723 | ✓ | |
| 364 | 2009/0838 | 79 High Street | B1 | 127 | 1 no. 2 bed flat | 127 | ✓ | |
| 366 | N/A | Magistrates Court, Pembroke Broadway, Camberley Town Centre | Sui Generis | 280 | A3 | 375 | | ✓ |
| 366 | N/A | Camberley Train Station, Pembroke Broadway, Camberley Town Centre | B1a | 1275 | C3 (see residential LDF sheet) | 0 | | ~ |
| 366 | N/A | Junction Knoll Road/London Road, Camberley Town Centre | Sui Generis | 1417 | B1a | 800 | | ✓ |
| 366 | N/A | The Granary, Knoll Road, Camberley Town Centre | A1 | 380 | B1a | 1500 | | ✓ |
| 366 | N/A | The Granary, Knoll Road, Camberley Town Centre | D2 | 323 | B1a | | | |
| 366 | N/A | London Road Frontage, Camberley Town Centre | A1 | 13547 | | 54547 | | ✓ |
| 366 | N/A | London Road Frontage, Camberley Town Centre | A2 | 478 | | 0 | | |
| 366 | N/A | London Road Frontage, Camberley Town Centre | A3 | 1167 | | 2300 | | |
| 366 | N/A | London Road Frontage, Camberley Town Centre | B1a | 1576 | | 0 | | |
| 366 | N/A | London Road Frontage, Camberley Town Centre | D1 | 734 | A1 | 0 | | |
| 365 | N/A | PRB Deepcut | Use Entec Study | Use Entec Study | A1 | 3620 | | ~ |
| 365 | N/A | PRB Deepcut | | | A2 | 100 | | |
| 365 | N/A | PRB Deepcut | | | A3 | 100 | | |
| 365 | N/A | PRB Deepcut | | | A5 | 100 | | |
| 365 | N/A | PRB Deepcut | | | A4 | 600 | | |
| 365 | N/A | PRB Deepcut | | | D1 | 2330 | | |
| 365 | N/A | PRB Deepcut | | | D1 | 300 | | |
| 365 | N/A | PRB Deepcut | | | D1 | 1000 | | |
| 365 | N/A | PRB Deepcut | | | B1a | 1000 | | |
| 378 | RU.05/0538 | DERA | b1 | 76885 | b1 | 65000 | | ✓ |
| | | | | | al | 325 | | |
| | | | | | d2 | 2323 | | |
| | | | | | d1 | 604 | | |
| | | | | | a3 | 558 | | |

APPENDIX B – RESIDENTIAL PLANNING DATA

| Zone | Planning | Address | Existing | Existing | Existing No. | Existing No. | Proposed | Proposed | Plannin | g Status |
|------|---------------|---|-------------|------------------------|--------------|--------------|----------|--------------|--------------|----------|
| No. | Application / | | Land Use | GFA (m ²) | of Houses | of Flats | No. of | No. of Flats | Approved | Non- |
| | Reference | | | | | | Houses | | | approved |
| 371 | 2001/0305 | Heriot, Pine Avenue (W) | C2 | 585 | 0 | 0 | 0 | 8 | ✓ | |
| 365 | 2001/0790 | 11 Coleford Bridge Road and Grange Nurseries, Linsford Lane | C3 | | 2 | 0 | 22 | 0 | ✓ | |
| 370 | 2001/1157 | Longwalk Cottage & Brook Cottage, Thorndown Lane | C3 | | 2 | 0 | 0 | 6 | ✓ | |
| 364 | 2002/0332 | Chobham Youth Centre, 12 Windsor Road | Sui Generis | 452 | 0 | 0 | 0 | 8 | ✓ | |
| 362 | 2002/1203 | Home Farm, Bagshot Park, London Road | Sui Generis | n/a | 0 | 0 | 7 | 0 | ✓ | |
| 366 | 2003/0305 | 75-79 Middle Gordon Road (T) | C3 | n/a | 3 | 0 | 0 | 16 | ✓ | |
| 373 | 2003/0400 | Land at 188-196 Frimley Green Road | C3 | | 2 | 0 | 19 | 0 | ✓ | |
| 368 | 2003/0492 | Land at Collingwood College, London Road | D1 | n/a | 0 | 0 | 5 | 41 | ✓ | |
| 372 | 2003/0724 | 281-297 London Road (SM) | D1 | 286 | 0 | 0 | 0 | 98 | ✓ | |
| 372 | | 281-297 London Road (SM) | Sui Generis | 1466 | | | | | ✓ | |
| 372 | | 281-297 London Road (SM) | B8 | 160 | | | | | ✓ | |
| 373 | 2003/0870 | Land at Guildford Road / Sturt Road | Sui Generis | 150 sqm (scout hut) | 0 | 0 | 28 | 0 | ~ | |
| 364 | 2003/1279 | Metco Works Gorse Lane | B2 | N/A | 0 | 0 | 5 | 0 | ✓ | |
| 371 | 2004/0085 | St Catherine's School Park Road (W) | D1 | 1112 | 0 | 0 | 0 | 28 | ✓ | |
| 377 | 2004/0139 | 47 Crawley Hill (SP) | C3 | n/a | 1 | 0 | 0 | 6 | ✓ | |
| 373 | 2004/0140 | Land rear of 57-63 Worsley Road | C3 | | 0 | 0 | 0 | 9 | ✓ | |
| 372 | 2004/0476 | 21-23 Vale Road (SM) | B2 | 625.9 | 1 | 0 | 0 | 20 | ✓ | |
| 366 | 2004/0525 | Land at 89-95 Kings Ride (T) | C3 | n/a | 0 | 0 | 4 | 0 | ✓ | |
| 372 | 2004/0540 | Land West of Park Street (The Atrium) (T) | B1a | 2086 | 0 | 0 | 0 | 217 | ✓ | |
| 372 | | Land West of Park Street (The Atrium) (T) | A1 | 2086 | | | | | ✓ | |
| 371 | 2004/0546 | 49 Park Road (T) | C3 | n/a | 1 | 0 | 0 | 8 | ✓ | |
| 364 | 2004/0775 | Land at 8 & 10 Beta Road | C3 | | 1 | 0 | 5 | 0 | ✓ | |
| 367 | 2004/0779 | 104 Portsmouth Road (P) | C3 | n/a | 1 | 0 | 0 | 8 | ✓ | |
| 367 | 2004/0796 | 1 & 2 Tekels Way (P) | C3 | n/a | 2 | 0 | 4 | 10 | ✓ | |
| 366 | 2004/0831 | 15 Kings Ride (T) | C3 | n/a | 1 | 0 | 0 | 10 | ✓ | |
| 366 | 2004/0843 | 1 Upper Park Road (T) | C3 | n/a | 1 | 0 | 0 | 7 | ✓ | |
| 377 | 2004/0920 | 2 Connaught Road (SP) | C3 | n/a | 1 | 0 | 0 | 5 | ✓ | |
| 366 | 2004/0998 | 30 - 34 Cromwell Road (T) | B2 | 1267 | 0 | 0 | 5 | 17 | ✓ | |
| 366 | 2004/1039 | Elmhurst Ballet School Heathcote Road (T) | C2 | n/a | 0 | 0 | 0 | 140 | ✓ | |
| 369 | 2004/1052 | 88-90 Guildford Road | Sui Generis | 785 | 0 | 0 | 0 | 27 | ✓ | |
| 371 | 2004/1096 | Former Rotamould Site Murrells Lane (W) | B2 | 3449 | 0 | 0 | 0 | 17 | ✓ | |
| 370 | 2004/1121 | Chasemount Snows Ride | C3 | | 1 | 0 | 0 | 12 | ✓ | |
| 367 | 2004/1147 | Darrington Coach House, Springfield Road (P) | C3 | n/a | 1 | 0 | 0 | 6 | ✓ | _ |
| 365 | 2004/1158 | Princess Royal Barracks 76/77 Newfoundland Road | C3 | 0 | 2 | 0 | 0 | 10 | ✓ | |
| 362 | 2004/1216 | 112 London Road and The Haven Chapel Lane | C3 | n/a | 2 | 0 | 0 | 12 | \checkmark | _ |
| 367 | 2004/1279 | 72-74 Portsmouth Road (P) | C3 | n/a | 2 | 0 | 0 | 12 | ✓ | |
| 366 | 2004/1287 | Flats 1-6, The Heights, Tekels Park (T) | C3 | n/a | 0 | 6 | 0 | 8 | ✓ | |
| 377 | 2004/1330 | Grasmere, Knightsbridge Road (SP) | C3 | n/a | 1 | 0 | 10 | 0 | ✓ | |

| 368 | 2004/1436 | Land at Cordwalles Road/Lorraine Road (OD) | C3 | n/a | 57 | 0 | 96 | 63 | ✓ | |
|-----|-----------|--|--------------------|------|----|---|-----|-----|--------------|---|
| 372 | 2005/0022 | 71-73 Frimley Road and 76 The Avenue (SM) | C3 | n/a | 1 | 0 | 0 | 34 | ✓ | |
| 372 | 2005/0093 | 108 Gordon Road (SM) | C3 | n/a | 1 | 0 | 0 | 13 | ✓ | |
| 371 | 2005/0222 | 119 Gordon Road (W) | C3 | n/a | 1 | 0 | 0 | 8 | ✓ | |
| 373 | 2005/0228 | Land at Beaumaris Parade, Balmoral Drive | n/a | 0 | 1 | 0 | 0 | 12 | \checkmark | |
| 363 | 2005/0256 | 125, 127, 129 Guildford Road | C3 | - | 3 | 0 | 7 | 0 | ✓ | |
| 373 | 2005/0316 | 225a - 229a Frimley Green Road | B1 | 860 | 0 | 0 | 0 | 9 | ✓ | |
| | 2005/0316 | 225a - 229a Frimley Green Road | A1 | 120 | | | | | ✓ | |
| 362 | 2005/0596 | 108-110 London Road (Belleview Garage) | Sui Generis | 772 | 0 | 0 | 0 | 8 | ✓ | |
| 377 | 2005/0766 | Collingwood Garage and 'Brambles' 6 & 8 Portsmouth Road (SP) | Sui Generis | 552 | 1 | 0 | 0 | 12 | ✓ | |
| 365 | 2005/1213 | 107 & Coleford Farm, Coleford Bridge Road | Sui Generis | 1308 | 1 | 0 | 0 | 24 | ✓ | |
| | 2006/0011 | 2-4 Firwood Drive (SM) | C3 | n/a | 2 | 0 | 0 | 24 | ✓ | |
| 375 | 2006/0172 | 136 Upper Chobham Road (H) | C3 | n/a | 1 | 0 | 0 | 18 | ✓ | |
| 370 | 2006/0188 | Tudor House, London Road | C3 | | 1 | 0 | 0 | 14 | ✓ | |
| 364 | 2006/0452 | Land at 75 - 77 Windsor Road | C3 | | 1 | 0 | 0 | 7 | ✓ | |
| 377 | 2006/0491 | 21 Portsmouth Road (SP) | C3 | n/a | 1 | 0 | 0 | 8 | ✓ | |
| 366 | 2007/0223 | Lanza and Portesbery House, Portesbery Road (T) | C3 | n/a | 2 | 0 | 6 | 0 | ✓ | |
| 369 | 2007/1163 | 122, 124, 126 Guildford Road | C3 | | 3 | 0 | 0 | 20 | ✓ | |
| 362 | 2009/0596 | Bird in Hand, 123 London Road | A4 | 265 | 0 | 1 | 6 | 0 | ✓ | |
| 362 | 2007/0702 | Notcutts Nursery, 150 - 152 London Road | Sui Generis | n/a | 0 | 0 | 115 | 67 | ✓ | |
| 523 | 2008/0362 | 331 Guildford Road | Sui Generis | 900 | 0 | 0 | 14 | 8 | ✓ | |
| 377 | 2009/0046 | 42, 44 & 46 Crawley Hill (SP) | C3 | n/a | 3 | 0 | 0 | 9 | ✓ | |
| 366 | 2004/1050 | St George's Court and 9 High Street (T) | B1 | 2853 | 0 | 0 | 0 | 23 | ✓ | |
| 377 | 2008/0591 | Greenmantle Knightsbridge Road (SP) | C3 | n/a | 1 | 0 | 0 | 10 | ✓ | |
| 377 | 2009/0713 | Chapel Pines Maywood Drive (SP) | C3 | n/a | 1 | 0 | 10 | 0 | ✓ | |
| 372 | 2004/1231 | 52 Park St (T) | B1 | 594 | 0 | 0 | 0 | 10 | ✓ | |
| 372 | | 52 Park St (T) | A3 | 288 | | | | | ✓ | |
| 367 | 2008/0877 | 5 Prior End (P) | C3 | n/a | 1 | 0 | 0 | 8 | ✓ | |
| 367 | 2008/0397 | Kilmore House, 20 Prior Road (P) | C2 | 810 | 0 | 0 | 9 | 0 | \checkmark | |
| 366 | 2003/0993 | 29 West Road House and St. Kitts Upper Park Road (T) | C2 | ? | 0 | 0 | 0 | 13 | \checkmark | |
| 372 | 2009/0043 | 15 Victoria Avenue () | B1 | 1067 | 0 | 0 | 9 | 0 | ✓ | |
| 367 | 2009/0893 | Ashley House Waverley Close (P) | C3 | n/a | 1 | 0 | 0 | 8 | ~ | |
| 365 | 2008/0811 | 85 - 93 Deepcut Bridge Road | Sui Generis | 2441 | 0 | 7 | 10 | 0 | ✓ | |
| 374 | 2009/0347 | Old Rectory Cottage Grove Cross Road | C3 | n/a | 1 | 0 | 0 | 9 | ~ | |
| 374 | 2009/0500 | Clewborough House School St Catherines Road | D1 | n/a | 1 | 0 | 38 | 22 | ✓ | |
| 375 | 2009/0954 | Eastlea Court, 20 Westerdale Drive | C3 | n/a | 0 | 4 | 9 | 0 | ~ | |
| 369 | 2008/1133 | 93 - 95 Guildford Road | C3 | n/a | 2 | 0 | 7 | 0 | ✓ | |
| 362 | N/A | | | | | | 189 | 102 | | ✓ |
| 363 | N/A | | | | | | 19 | 10 | | ✓ |
| 364 | N/A | | | | | | 57 | 30 | | ✓ |
| 365 | N/A | PRB | Use Entec Study | | | | 831 | 369 | | ~ |
| 365 | N/A | | | | | | 33 | 18 | | ✓ |

| 366 | N/A | Magistrates Court, Camberley Town Centre | Sui G | 280 | 0 | 0 | 0 | 13 | ~ |
|-----|-----|--|---|-----------|---|---|------|-----|--------------|
| 366 | N/A | Camberley Train Station | Bla | 1275 | 0 | 0 | 0 | 60 | \checkmark |
| 366 | N/A | Junction Knoll Road/London Road | Sui G | 1417 | 0 | 0 | 0 | 20 | ✓ |
| 366 | N/A | The Granary | A1 & D2 | 380 & 323 | 0 | 0 | 0 | 6 | ✓ |
| 366 | N/A | London Road Frontage | See commercial LDF sheet + 6 1 bed flats | | 0 | 6 | 0 | 22 | ~ |
| 366 | N/A | Camberley Town Centre (general) | | | | | 19 | 60 | ✓ |
| 367 | N/A | N/A | | | | | 53 | 28 | ✓ |
| 368 | N/A | N/A | | | | | 0 | 0 | ✓ |
| 369 | N/A | N/A | | | | | 19 | 10 | ✓ |
| 370 | N/A | N/A | | | | | 19 | 10 | ✓ |
| 371 | N/A | N/A | | | | | 189 | 102 | ✓ |
| 372 | N/A | N/A | | | | | 118 | 64 | ✓ |
| 373 | N/A | N/A | | | | | 38 | 20 | ✓ |
| 374 | N/A | N/A | | | | | 4 | 2 | ✓ |
| 375 | N/A | N/A | | | | | 10 | 5 | ✓ |
| 377 | N/A | N/A | | | | | 65 | 35 | ✓ |
| 523 | N/A | N/A | | | | | 19 | 10 | ✓ |
| 378 | N/A | DERA | b1/b2 | | 0 | 0 | 1750 | 450 | ~ |
| 379 | N/A | DERA | b1/b2 | | 0 | 0 | 0 | 300 | ~ |
APPENDIX C – EXISTING TRIP GENERATION FOR PRB DEVELOPMENT

(Sourced from document produced by Entec: "Defence Estates, Princess Royal Barracks, Deepcut Disposal, Transport Assessment," 23rd April 2010.

| Land Use | AM Peak (| 0800 - 0900) | PM Peak (1 | 1700 - 1800) | Daily (0700 - 1700) | | |
|----------------|-----------|--------------|------------|--------------|---------------------|------------|--|
| Land Use | Arrivals | Departures | Arrivals | Departures | Arrivals | Departures | |
| Sergeant Mess | 5 | 12 | 9 | 4 | 65 | 74 | |
| Brunswick Road | 176 | 40 | 37 | 97 | 881 | 975 | |
| Blakedown | 54 | 55 | 44 | 44 | 538 | 494 | |
| Road | | | | | | | |
| Officers Mess | 0 | 0 | 0 | 0 | 1 | 1 | |
| Total | 235 | 107 | 90 | 145 | 1485 | 1544 | |

Existing PRB Traffic Generation (2008)

APPENDIX D – TRICS LOCATION DEFINITIONS

(Source: TRICS 2009(b))

Town Centre

Within the central core area of the heart of the town/city (e.g. the primary shopping area), as defined in the local development (if appropriate).

Edge of Town Centre

For retail, a location within easy walking distance (i.e. up to 300 metres) from the central primary shopping area, often providing parking facilities that serve the centre as well as the site, thus enabling one trip to serve several purposes. For other uses, the edge-of-centre radius from the town/city may be more extensive, based on how far people would be prepared to walk. For offices this may be outside the town centre but in the urban area within 500m of a public transport interchange. Local topography and barriers will affect pedestrians' perception of easy walking distance. Examples of barriers include crossing major roads and car parks. The perceived safety of the route and strength of the attraction of the town centre are also relevant.

Neighbourhood Centre

Predominantly residential area, but with additional amenities like local shops, schools etc. Could be described as a small "district" or "village" within the town/city itself. Would also apply to actual villages. The local shops serve a small catchment. These may include a general grocery store, a newsagent, a sub-post office and a pharmacy, as well as others. These centres provide accessible shopping for people's day-to-day needs.

Suburban Area

An area outside the edge of town/city centre, but not at the town/city's physical edge. This can encompass a wide range of physical locations within a town/city. Suburban Area sites can range from busy built up areas near the centre of town (but outside the Edge of Town Centre radius), to leafy suburbs far from the centre.

Edge of Town

At the physical edge of the town/city, where the town/city meets the countryside. The actual physical distance from the site to the beginning of the countryside can vary proportionately to the size of the town/city.

Free Standing (Out of Town)

Just beyond the physical edge of the nearest town/city, or in an isolated rural location (sites in villages within the Neighbourhood Centre category). The distance from the edge of the town/city, which qualifies a site as Free Standing, is not set, and is instead judged on a site-by-site basis, proportional to the size of the town/city.

APPENDIX E – STRATEGIC JUNCTION DETAILED VCR INFORMATION

M3 Junction 3

| | | | | | Free | | | Flow – Al | ll Vehicles | | |
|-----------|-------------|--------------------------------|----------|----------------|------------------------|------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Direction | Road No. | Link Name | Capacity | Link Length | Flow Speed (Kph) | 2005 | 2026 Do-Min | 2026 Scenario A | 2026 Scenario B | 2026 Scenario C | 2026 Scenario D |
| Ν | M3 | J4 - 3 (mainline) | 5700 | 6.69 | 110 | 4123 | 4815 | 4790 | 4861 | 4940 | 4920 |
| Ν | M3 | J3 Slip Off Northbound | 3800 | 0.39 | 105 | 3353 | 4098 | 4094 | 4137 | 4235 | 4226 |
| Ν | M3 | J3 (mainline through junction) | 5700 | 0.9 | 110 | 3030 | 4179 | 4185 | 4273 | 4269 | 4340 |
| Ν | M3 | J3 Slip on Northbound | 3800 | 0.24 | 105 | 1549 | 2264 | 2276 | 2321 | 2290 | 2283 |
| Ν | M3 | J3 - 2 (mainline) | 5700 | 10.74 | 110 | 3954 | 4473 | 4533 | 4611 | 4855 | 4869 |
| S | M3 | J2 - 3 (mainline) | 5700 | 10.77 | 110 | 2104 | 2464 | 2593 | 2627 | 2628 | 2660 |
| S | M3 | J3 Slip Off Southbound | 3800 | 0.22 | 105 | 2018 | 2351 | 2196 | 2233 | 2312 | 2260 |
| S | M3 | J3 (mainline through junction) | 5700 | 0.91 | 110 | 1850 | 2009 | 1939 | 1984 | 2227 | 2209 |
| S | M3 | J3 Slip on Southbound | 3800 | 0.4 | 105 | 1803 | 1834 | 1818 | 1816 | 1945 | 1943 |
| Ν | M3 | J4 - 3 (mainline) | 5700 | 6.71 | 110 | 1481 | 1915 | 1909 | 1952 | 1978 | 2057 |

M3 Junction 3 Flow

| | | a | | | Free | | Unconges | ted Link T | ravel Time (| (Veh Hrs) | |
|-----------|-------------|--------------------------------|----------|----------------|------------------------|------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Direction | Road No. | Link Name | Capacity | Link Length | Flow Speed (Kph) | 2005 | 2026 Do-Min | 2026 Scenario A | 2026 Scenario B | 2026 Scenario C | 2026 Scenario D |
| Ν | M3 | J4 - 3 (mainline) | 5700 | 6.69 | 110 | 239 | 263 | 269 | 273 | 291 | 288 |
| Ν | M3 | J3 Slip Off Northbound | 3800 | 0.39 | 105 | 7 | 7 | 7 | 7 | 8 | 8 |
| Ν | M3 | J3 (mainline through junction) | 5700 | 0.9 | 110 | 17 | 20 | 21 | 21 | 22 | 22 |
| Ν | M3 | J3 Slip on Northbound | 3800 | 0.24 | 105 | 5 | 5 | 5 | 5 | 5 | 5 |
| Ν | M3 | J3 - 2 (mainline) | 5700 | 10.74 | 110 | 403 | 470 | 468 | 475 | 482 | 480 |
| S | M3 | J2 - 3 (mainline) | 5700 | 10.77 | 110 | 328 | 401 | 401 | 405 | 415 | 414 |
| S | M3 | J3 Slip Off Southbound | 3800 | 0.22 | 105 | 4 | 4 | 4 | 4 | 4 | 4 |
| S | M3 | J3 (mainline through junction) | 5700 | 0.91 | 110 | 13 | 19 | 19 | 19 | 19 | 19 |
| S | M3 | J3 Slip on Southbound | 3800 | 0.4 | 105 | 6 | 7 | 7 | 7 | 8 | 8 |
| Ν | M3 | J4 - 3 (mainline) | 5700 | 6.71 | 110 | 184 | 246 | 248 | 253 | 256 | 257 |

M3 Junction 3 Uncongested Link Travel Time

| | | | | | Free | | Congest | ed Link Tra | avel Time (V | Veh Hrs) | |
|-----------|-------------|--------------------------------|----------|----------------|------------------------|------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Direction | Road No. | Link Name | Capacity | Link Length | Flow Speed (Kph) | 2005 | 2026 Do-Min | 2026 Scenario A | 2026 Scenario B | 2026 Scenario C | 2026 Scenario D |
| Ν | M3 | J4 - 3 (mainline) | 5700 | 6.69 | 110 | 260 | 300 | 309 | 316 | 350 | 345 |
| Ν | M3 | J3 Slip Off Northbound | 3800 | 0.39 | 105 | 7 | 8 | 7 | 8 | 9 | 9 |
| Ν | M3 | J3 (mainline through junction) | 5700 | 0.9 | 110 | 18 | 21 | 22 | 22 | 22 | 22 |
| Ν | M3 | J3 Slip on Northbound | 3800 | 0.24 | 105 | 5 | 6 | 5 | 5 | 5 | 5 |
| Ν | M3 | J3 - 2 (mainline) | 5700 | 10.74 | 110 | 447 | 568 | 564 | 577 | 592 | 589 |
| S | M3 | J2 - 3 (mainline) | 5700 | 10.77 | 110 | 343 | 444 | 443 | 450 | 466 | 465 |
| S | M3 | J3 Slip Off Southbound | 3800 | 0.22 | 105 | 4 | 4 | 4 | 4 | 4 | 4 |
| S | M3 | J3 (mainline through junction) | 5700 | 0.91 | 110 | 13 | 19 | 19 | 20 | 20 | 19 |
| S | M3 | J3 Slip on Southbound | 3800 | 0.4 | 105 | 6 | 8 | 8 | 8 | 8 | 8 |
| Ν | M3 | J4 - 3 (mainline) | 5700 | 6.71 | 110 | 191 | 271 | 274 | 282 | 287 | 288 |

M3 Junction 3 Congested Link Travel Time

| | | | | | Free | | VC | R (Volume/ | Capacity Ra | atio) | |
|-----------|-------------|--------------------------------|----------|----------------|------------------------|------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Direction | Road No. | Link Name | Capacity | Link Length | Flow Speed (Kph) | 2005 | 2026 Do-Min | 2026 Scenario A | 2026 Scenario B | 2026 Scenario C | 2026 Scenario D |
| Ν | M3 | J4 - 3 (mainline) | 5700 | 6.69 | 110 | 0.69 | 0.77 | 0.79 | 0.80 | 0.85 | 0.84 |
| Ν | M3 | J3 Slip Off Northbound | 3800 | 0.39 | 105 | 0.49 | 0.53 | 0.51 | 0.52 | 0.59 | 0.58 |
| Ν | M3 | J3 (mainline through junction) | 5700 | 0.9 | 110 | 0.37 | 0.43 | 0.45 | 0.46 | 0.46 | 0.47 |
| Ν | M3 | J3 Slip on Northbound | 3800 | 0.24 | 105 | 0.53 | 0.62 | 0.58 | 0.59 | 0.61 | 0.59 |
| Ν | M3 | J3 - 2 (mainline) | 5700 | 10.74 | 110 | 0.72 | 0.84 | 0.84 | 0.85 | 0.87 | 0.86 |
| S | M3 | J2 - 3 (mainline) | 5700 | 10.77 | 110 | 0.59 | 0.72 | 0.72 | 0.73 | 0.74 | 0.74 |
| S | M3 | J3 Slip Off Southbound | 3800 | 0.22 | 105 | 0.47 | 0.48 | 0.48 | 0.48 | 0.51 | 0.51 |
| S | M3 | J3 (mainline through junction) | 5700 | 0.91 | 110 | 0.27 | 0.40 | 0.40 | 0.41 | 0.40 | 0.40 |
| S | M3 | J3 Slip on Southbound | 3800 | 0.4 | 105 | 0.39 | 0.50 | 0.50 | 0.51 | 0.52 | 0.54 |
| Ν | M3 | J4 - 3 (mainline) | 5700 | 6.71 | 110 | 0.53 | 0.72 | 0.72 | 0.74 | 0.74 | 0.75 |

M3 Junction 3 VCR

M3 Junction 4

| | | | | | Free | | | Flow – Al | l Vehicles | | |
|-----------|-------------|--------------------------------|----------|----------------|------------------------|------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Direction | Road No. | Link Name | Capacity | Link Length | Flow Speed (Kph) | 2005 | 2026 Do-Min | 2026 Scenario A | 2026 Scenario B | 2026 Scenario C | 2026 Scenario D |
| Ν | M3 | J4a - 4 (mainline) | 5700 | 2.82 | 110 | 4110 | 4460 | 4502 | 4520 | 4094 | 4179 |
| Ν | M3 | J4 Slip Off Northbound | 3800 | 0.36 | 105 | 1633 | 1819 | 1861 | 1793 | 1557 | 1609 |
| Ν | M3 | J4 (mainline through junction) | 5700 | 0.54 | 110 | 3072 | 3637 | 3709 | 3771 | 3697 | 3616 |
| Ν | M3 | J4 Slip On Northbound | 3800 | 0.39 | 105 | 854 | 638 | 664 | 668 | 1063 | 1077 |
| Ν | M3 | J4 - 3 (mainline) | 5700 | 6.69 | 110 | 3940 | 4374 | 4453 | 4525 | 4808 | 4781 |
| S | M3 | J3 - 4 (mainline) | 5700 | 6.71 | 110 | 3016 | 4080 | 4105 | 4187 | 4221 | 4253 |
| S | M3 | J4 Slip Off Southbound | 3800 | 0.36 | 105 | 605 | 813 | 787 | 864 | 824 | 968 |
| S | M3 | J4 (mainline through junction) | 5700 | 0.54 | 110 | 2397 | 3169 | 3238 | 3237 | 3349 | 3197 |
| S | M3 | J4 Slip On Southbound | 3800 | 0.43 | 105 | 1914 | 2255 | 2309 | 2289 | 2312 | 2356 |
| S | M3 | J4 - 4a (mainline) | 5700 | 2.82 | 110 | 3716 | 4427 | 4479 | 4482 | 4500 | 4507 |

M3 Junction 4 Flow

| Direction Road No. | | | | | Free | | Unconges | ted Link Ti | avel Time (| Veh Hrs) | |
|-----------------------|-------------|--------------------------------|----------|----------------|------------------------|------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Direction | Road No. | Link Name | Capacity | Link Length | Flow Speed (Kph) | 2005 | 2026 Do-Min | 2026 Scenario A | 2026 Scenario B | 2026 Scenario C | 2026 Scenario D |
| Ν | M3 | J4a - 4 (mainline) | 5700 | 2.82 | 110 | 105 | 114 | 115 | 116 | 105 | 107 |
| Ν | M3 | J4 Slip Off Northbound | 3800 | 0.36 | 105 | 6 | 6 | 6 | 6 | 5 | 6 |
| Ν | M3 | J4 (mainline through junction) | 5700 | 0.54 | 110 | 15 | 18 | 18 | 19 | 18 | 18 |
| Ν | M3 | J4 Slip On Northbound | 3800 | 0.39 | 105 | 3 | 2 | 2 | 2 | 4 | 4 |
| Ν | M3 | J4 - 3 (mainline) | 5700 | 6.69 | 110 | 239 | 263 | 269 | 273 | 291 | 288 |
| S | M3 | J3 - 4 (mainline) | 5700 | 6.71 | 110 | 184 | 246 | 248 | 253 | 256 | 257 |
| S | M3 | J4 Slip Off Southbound | 3800 | 0.36 | 105 | 2 | 3 | 3 | 3 | 3 | 3 |
| S | M3 | J4 (mainline through junction) | 5700 | 0.54 | 110 | 12 | 16 | 16 | 16 | 16 | 16 |
| S | M3 | J4 Slip On Southbound | 3800 | 0.43 | 105 | 8 | 9 | 9 | 9 | 9 | 10 |
| S | M3 | J4 - 4a (mainline) | 5700 | 2.82 | 110 | 95 | 113 | 115 | 115 | 115 | 116 |

M3 Junction 4 Uncongested Link Travel Time

| | | | | | Free | | Congest | ed Link Tra | avel Time (V | /eh Hrs) | |
|-----------|-------------|--------------------------------|----------|----------------|------------------------|------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Direction | Road No. | Link Name | Capacity | Link Length | Flow Speed (Kph) | 2005 | 2026 Do-Min | 2026 Scenario A | 2026 Scenario B | 2026 Scenario C | 2026 Scenario D |
| Ν | M3 | J4a - 4 (mainline) | 5700 | 2.82 | 110 | 117 | 133 | 134 | 135 | 116 | 120 |
| Ν | M3 | J4 Slip Off Northbound | 3800 | 0.36 | 105 | 6 | 6 | 7 | 6 | 6 | 6 |
| Ν | M3 | J4 (mainline through junction) | 5700 | 0.54 | 110 | 16 | 19 | 19 | 20 | 19 | 19 |
| Ν | M3 | J4 Slip On Northbound | 3800 | 0.39 | 105 | 3 | 2 | 2 | 3 | 4 | 4 |
| Ν | M3 | J4 - 3 (mainline) | 5700 | 6.69 | 110 | 260 | 300 | 309 | 316 | 350 | 345 |
| S | M3 | J3 - 4 (mainline) | 5700 | 6.71 | 110 | 191 | 271 | 274 | 282 | 287 | 288 |
| S | M3 | J4 Slip Off Southbound | 3800 | 0.36 | 105 | 2 | 3 | 3 | 3 | 3 | 3 |
| S | M3 | J4 (mainline through junction) | 5700 | 0.54 | 110 | 12 | 16 | 17 | 16 | 17 | 16 |
| S | M3 | J4 Slip On Southbound | 3800 | 0.43 | 105 | 8 | 10 | 10 | 10 | 10 | 10 |
| S | M3 | J4 - 4a (mainline) | 5700 | 2.82 | 110 | 101 | 131 | 133 | 134 | 134 | 135 |

M3 Junction 4 Congested Link Travel Time

| | | bd | | | Free | | VCI | R (Volume/ | Capacity Ra | atio) | |
|-----------|-------------|--------------------------------|----------|----------------|------------------------|------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Direction | Road No. | Link Name | Capacity | Link Length | Flow Speed (Kph) | 2005 | 2026 Do-Min | 2026 Scenario A | 2026 Scenario B | 2026 Scenario C | 2026 Scenario D |
| Ν | M3 | J4a - 4 (mainline) | 5700 | 2.82 | 110 | 0.72 | 0.78 | 0.79 | 0.79 | 0.72 | 0.73 |
| Ν | M3 | J4 Slip Off Northbound | 3800 | 0.36 | 105 | 0.43 | 0.48 | 0.49 | 0.47 | 0.41 | 0.42 |
| Ν | M3 | J4 (mainline through junction) | 5700 | 0.54 | 110 | 0.54 | 0.64 | 0.65 | 0.66 | 0.65 | 0.63 |
| Ν | M3 | J4 Slip On Northbound | 3800 | 0.39 | 105 | 0.22 | 0.17 | 0.17 | 0.18 | 0.28 | 0.28 |
| Ν | M3 | J4 - 3 (mainline) | 5700 | 6.69 | 110 | 0.69 | 0.77 | 0.79 | 0.80 | 0.85 | 0.84 |
| S | M3 | J3 - 4 (mainline) | 5700 | 6.71 | 110 | 0.53 | 0.72 | 0.72 | 0.74 | 0.74 | 0.75 |
| S | M3 | J4 Slip Off Southbound | 3800 | 0.36 | 105 | 0.16 | 0.21 | 0.21 | 0.23 | 0.22 | 0.25 |
| S | M3 | J4 (mainline through junction) | 5700 | 0.54 | 110 | 0.42 | 0.56 | 0.57 | 0.57 | 0.59 | 0.56 |
| S | M3 | J4 Slip On Southbound | 3800 | 0.43 | 105 | 0.50 | 0.59 | 0.61 | 0.60 | 0.61 | 0.62 |
| S | M3 | J4 - 4a (mainline) | 5700 | 2.82 | 110 | 0.65 | 0.78 | 0.79 | 0.79 | 0.79 | 0.79 |

M3 Junction 4 VCR

M25 Junction 11

| | | a | | | Free | | | Flow – Al | l Vehicles | | |
|-----------|-------------|---------------------------------|----------|----------------|------------------------|------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Direction | Road No. | Link Name | Capacity | Link Length | Flow Speed (Kph) | 2005 | 2026 Do-Min | 2026 Scenario A | 2026 Scenario B | 2026 Scenario C | 2026 Scenario D |
| S | M25 | J11 - 10 (mainline) | 7600 | 7.01 | 110 | 4907 | 5592 | 5629 | 5644 | 5967 | 5961 |
| Ν | M25 | J11 Slip Off Northbound | 3800 | 0.58 | 105 | 1352 | 1543 | 1523 | 1530 | 1506 | 1535 |
| Ν | M25 | J11 (mainline through junction) | 5700 | 1.24 | 110 | 3555 | 4049 | 4107 | 4115 | 4461 | 4426 |
| Ν | M25 | J11 Slip On Northbound | 3800 | 0.69 | 105 | 633 | 901 | 878 | 874 | 943 | 1040 |
| Ν | M25 | J 11 - 12 (mainline) | 7600 | 2.53 | 110 | 4188 | 4950 | 4985 | 4989 | 5404 | 5466 |
| S | M25 | J 12 - 11 (mainline) | 7600 | 2.54 | 110 | 4732 | 6036 | 6022 | 6067 | 6103 | 6110 |
| S | M25 | J11 Slip Off Southbound | 3800 | 0.66 | 105 | 1251 | 1210 | 1177 | 1202 | 1210 | 1193 |
| S | M25 | J11 (mainline though junction) | 5700 | 1.17 | 110 | 3481 | 4826 | 4845 | 4865 | 4893 | 4917 |
| S | M25 | J11 Slip On Southbound | 3800 | 0.56 | 105 | 936 | 1031 | 1027 | 1044 | 922 | 972 |
| S | M25 | J11 - 10 (mainline) | 7600 | 6.99 | 110 | 4417 | 5857 | 5873 | 5910 | 5814 | 5889 |

M25 Junction 11 Flow

| Direction Roa | | | | | Free | | Unconges | ted Link T | ravel Time (| (Veh Hrs) | |
|---------------|-------------|---------------------------------|----------|----------------|------------------------|------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Direction | Road No. | Link Name | Capacity | Link Length | Flow Speed (Kph) | 2005 | 2026 Do-Min | 2026 Scenario A | 2026 Scenario B | 2026 Scenario C | 2026 Scenario D |
| S | M25 | J11 - 10 (mainline) | 7600 | 7.01 | 110 | 313 | 356 | 359 | 360 | 380 | 380 |
| Ν | M25 | J11 Slip Off Northbound | 3800 | 0.58 | 105 | 7 | 9 | 8 | 8 | 8 | 8 |
| Ν | M25 | J11 (mainline through junction) | 5700 | 1.24 | 110 | 40 | 46 | 46 | 46 | 50 | 50 |
| Ν | M25 | J11 Slip On Northbound | 3800 | 0.69 | 105 | 4 | 6 | 6 | 6 | 6 | 7 |
| Ν | M25 | J 11 - 12 (mainline) | 7600 | 2.53 | 110 | 96 | 114 | 115 | 115 | 124 | 126 |
| S | M25 | J 12 - 11 (mainline) | 7600 | 2.54 | 110 | 109 | 139 | 139 | 140 | 141 | 141 |
| S | M25 | J11 Slip Off Southbound | 3800 | 0.66 | 105 | 8 | 8 | 7 | 8 | 8 | 8 |
| S | M25 | J11 (mainline though junction) | 5700 | 1.17 | 110 | 37 | 51 | 52 | 52 | 52 | 52 |
| S | M25 | J11 Slip On Southbound | 3800 | 0.56 | 105 | 5 | 6 | 5 | 6 | 5 | 5 |
| S | M25 | J11 - 10 (mainline) | 7600 | 6.99 | 110 | 281 | 372 | 373 | 376 | 369 | 374 |

M25 Junction 11 Uncongested Link Travel Time

| Direction Roa | | | | | Free | | Congest | ed Link Tra | avel Time (V | /eh Hrs) | |
|---------------|-------------|---------------------------------|----------|----------------|------------------------|------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Direction | Road No. | Link Name | Capacity | Link Length | Flow Speed (Kph) | 2005 | 2026 Do-Min | 2026 Scenario A | 2026 Scenario B | 2026 Scenario C | 2026 Scenario D |
| S | M25 | J11 - 10 (mainline) | 7600 | 7.01 | 110 | 331 | 400 | 404 | 406 | 441 | 441 |
| Ν | M25 | J11 Slip Off Northbound | 3800 | 0.58 | 105 | 8 | 9 | 9 | 9 | 9 | 9 |
| Ν | M25 | J11 (mainline through junction) | 5700 | 1.24 | 110 | 42 | 50 | 51 | 52 | 58 | 58 |
| Ν | M25 | J11 Slip On Northbound | 3800 | 0.69 | 105 | 4 | 6 | 6 | 6 | 6 | 7 |
| Ν | M25 | J 11 - 12 (mainline) | 7600 | 2.53 | 110 | 100 | 121 | 122 | 122 | 137 | 139 |
| S | M25 | J 12 - 11 (mainline) | 7600 | 2.54 | 110 | 114 | 162 | 162 | 164 | 165 | 165 |
| S | M25 | J11 Slip Off Southbound | 3800 | 0.66 | 105 | 8 | 8 | 8 | 8 | 8 | 8 |
| S | M25 | J11 (mainline though junction) | 5700 | 1.17 | 110 | 39 | 62 | 63 | 63 | 64 | 64 |
| S | M25 | J11 Slip On Southbound | 3800 | 0.56 | 105 | 5 | 6 | 6 | 6 | 5 | 5 |
| S | M25 | J11 - 10 (mainline) | 7600 | 6.99 | 110 | 293 | 427 | 429 | 433 | 423 | 431 |

M25 Junction 11 Congested Link Travel Time

| | | | | | Free | | VCI | R (Volume/ | e/Capacity Ratio) | | | | |
|-----------|-------------|---------------------------------|----------|----------------|------------------------|------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|--|--|
| Direction | Road No. | Link Name | Capacity | Link Length | Flow Speed (Kph) | 2005 | 2026 Do-Min | 2026 Scenario A | 2026 Scenario B | 2026 Scenario C | 2026 Scenario D | | |
| S | M25 | J11 - 10 (mainline) | 7600 | 7.01 | 110 | 0.65 | 0.74 | 0.74 | 0.74 | 0.79 | 0.78 | | |
| Ν | M25 | J11 Slip Off Northbound | 3800 | 0.58 | 105 | 0.36 | 0.41 | 0.40 | 0.40 | 0.40 | 0.40 | | |
| Ν | M25 | J11 (mainline through junction) | 5700 | 1.24 | 110 | 0.62 | 0.71 | 0.72 | 0.72 | 0.78 | 0.78 | | |
| Ν | M25 | J11 Slip On Northbound | 3800 | 0.69 | 105 | 0.17 | 0.24 | 0.23 | 0.23 | 0.25 | 0.27 | | |
| Ν | M25 | J 11 - 12 (mainline) | 7600 | 2.53 | 110 | 0.55 | 0.65 | 0.66 | 0.66 | 0.71 | 0.72 | | |
| S | M25 | J 12 - 11 (mainline) | 7600 | 2.54 | 110 | 0.62 | 0.79 | 0.79 | 0.80 | 0.80 | 0.80 | | |
| S | M25 | J11 Slip Off Southbound | 3800 | 0.66 | 105 | 0.33 | 0.32 | 0.31 | 0.32 | 0.32 | 0.31 | | |
| S | M25 | J11 (mainline though junction) | 5700 | 1.17 | 110 | 0.61 | 0.85 | 0.85 | 0.85 | 0.86 | 0.86 | | |
| S | M25 | J11 Slip On Southbound | 3800 | 0.56 | 105 | 0.25 | 0.27 | 0.27 | 0.27 | 0.24 | 0.26 | | |
| S | M25 | J11 - 10 (mainline) | 7600 | 6.99 | 110 | 0.58 | 0.77 | 0.77 | 0.78 | 0.77 | 0.77 | | |

M25 Junction 11 VCR

M25 Junction 12 / M3 Junction 2

| | | | | | Free | Flow – All Vehicles | | | | | | |
|-----------|------|---------------------------------|----------|--------|-------|---------------------|----------------|----------|----------|----------|----------|--|
| Direction | Road | Link Name | Canacity | Link | Flow | | 2026 | 2026 | 2026 | 2026 | 2026 | |
| Direction | No. | | Capacity | Length | Speed | 2005 | 2020 Do Min | Scenario | Scenario | Scenario | Scenario | |
| | | | | | (Kph) | | D0-1viiii | Α | B | С | D | |
| N | M25 | M25 J11-12 (mainline) | 7600 | 2.53 | 110 | 4188 | 4950 | 4985 | 4989 | 5404 | 5466 | |
| N | M25 | M25 J12 Slip Off Northbound | 3800 | 0.33 | 105 | 1552 | 1427 | 1435 | 1440 | 2249 | 2239 | |
| N | M25 | J12 (mainline through junction) | 5700 | 1.29 | 110 | 2637 | 3523 | 3551 | 3548 | 3155 | 3226 | |
| Ν | M25 | M25 J12 Slip On Northbound | 3800 | 0.36 | 105 | 1155 | 1500 | 1442 | 1443 | 1912 | 1958 | |
| Ν | M25 | J12 - 13 (mainline) | 9500 | 4.1 | 110 | 11376 | 15068 | 14978 | 14974 | 15199 | 15551 | |
| S | M25 | J13 - 12 (mainline) | 9500 | 3.98 | 110 | 3944 | 4982 | 4936 | 4956 | 4706 | 4798 | |
| S | M25 | M25 J12 Slip Off Southbound | 3800 | 0.52 | 105 | 1621 | 1962 | 1936 | 1953 | 1857 | 1895 | |
| S | M25 | J12 (mainline through junction) | 5700 | 1.21 | 110 | 2324 | 3020 | 3000 | 3003 | 2849 | 2904 | |
| S | M25 | M25 J12 Slip On Southbound | 3800 | 0.26 | 105 | 2408 | 3016 | 3022 | 3064 | 3254 | 3206 | |
| S | M25 | M25 J12 - 11 (mainline) | 7600 | 2.54 | 110 | 4732 | 6036 | 6022 | 6067 | 6103 | 6110 | |
| Ν | M3 | J2 - 1 (mainline) | 5700 | 8.57 | 110 | 2034 | 1886 | 1924 | 1933 | 2008 | 2024 | |
| S | M3 | J1 - 2 (mainline) | 5700 | 7.97 | 110 | 1655 | 2297 | 2322 | 2323 | 2362 | 2360 | |
| S | M3 | M3 J2 South to M25 J12 South | 3800 | 0.16 | 105 | 1201 | 1435 | 1463 | 1461 | 1458 | 1431 | |
| N | M3 | M3 J2 South to M25 J12 North | 3400 | 0.86 | 80 | 233 | 538 | 513 | 524 | 709 | 734 | |
| S | M3 | M3 J2 Slip Off Southbound | 3800 | 0.47 | 105 | 1434 | 1973 | 1976 | 1985 | 2167 | 2166 | |
| S | M3 | J2 (mainline through junction) | 3800 | 1.44 | 105 | 1725 | 1500 | 1481 | 1528 | 1686 | 1666 | |
| Ν | M3 | M3 J2 Slip On Northbound | 3800 | 0.37 | 105 | 1544 | 790 | 757 | 784 | 1557 | 1574 | |
| Ν | M25 | M25 J12 North to M3 J2 North | 3400 | 0.72 | 80 | 860 | 577 | 574 | 571 | 1132 | 1141 | |
| Ν | M3 | J2 (mainline through junction) | 3800 | 1.55 | 105 | 1993 | 2272 | 2301 | 2338 | 1941 | 1921 | |
| Ν | M25 | M25 J12 South to M3 J2 North | 3800 | 0.3 | 105 | 684 | 214 | 183 | 213 | 426 | 432 | |
| S | M25 | M25 J12 South to M3 J2 South | 3400 | 0.56 | 80 | 937 | 1748 | 1753 | 1740 | 1431 | 1462 | |
| S | M3 | M3 J2 North to M25 J12 South | 3400 | 0.64 | 80 | 1208 | 1581 | 1559 | 1603 | 1796 | 1775 | |
| Ν | M3 | M25 J12 Slip On Northbound | 3800 | 0.24 | 105 | 922 | 962 | 929 | 919 | 1202 | 1223 | |
| Ν | M3 | M3 J2 Slip Off Northbound | 3800 | 0.48 | 105 | 2130 | 2543 | 2488 | 2522 | 2999 | 2998 | |
| S | M3 | J2 - 3 (mainline) | 5700 | 10.77 | 110 | 3353 | 4098 | 4094 | 4137 | 4235 | 4235 | |
| Ν | M3 | J3 - 2 (mainline) | 5700 | 10.74 | 110 | 4123 | 4815 | 4790 | 4861 | 4940 | 4920 | |

M25 Junction 12 / M3 Junction 2 Flow

| | | | Free Uncongested Link Travel Time (Veh H | | | | | | | Veh Hrs) | |
|-----------|------|---------------------------------|--|--------|-----------------|------|--------|----------|----------|----------|----------|
| Direction | Road | Link Name | Capacity | Link | Flow | | 2026 | 2026 | 2026 | 2026 | 2026 |
| Direction | No. | | 1 2 | Length | Speed (Knh) | 2005 | Do-Min | Scenario | Scenario | Scenario | Scenario |
| N | M25 | M25 I11 12 (mainline) | 7600 | 2.52 | (K pii) | 06 | 114 | A 115 | B | 124 | <u> </u> |
| IN N | M25 | M25 J11-12 (mainline) | 7600 | 2.55 | 110 | 96 | 114 | 115 | 115 | 124 | 120 |
| IN N | N125 | M25 J12 Shp Oli Northbound | 5700 | 0.33 | 105 | 21 | 4 | 5 | 5 | / | / |
| N | M25 | J12 (mainline through junction) | 5700 | 1.29 | 110 | 31 | 41 | 42 | 42 | 37 | 38 |
| N | M25 | M25 J12 Slip On Northbound | 3800 | 0.36 | 105 | 4 | 5 | 5 | 5 | 7 | 1 |
| N | M25 | J12 - 13 (mainline) | 9500 | 4.1 | 110 | 141 | 187 | 186 | 186 | 189 | 193 |
| S | M25 | J13 - 12 (mainline) | 9500 | 3.98 | 110 | 143 | 180 | 179 | 179 | 170 | 174 |
| S | M25 | M25 J12 Slip Off Southbound | 3800 | 0.52 | 105 | 8 | 10 | 10 | 10 | 9 | 9 |
| S | M25 | J12 (mainline through junction) | 5700 | 1.21 | 110 | 26 | 33 | 33 | 33 | 31 | 32 |
| S | M25 | M25 J12 Slip On Southbound | 3800 | 0.26 | 105 | 6 | 7 | 7 | 8 | 8 | 8 |
| S | M25 | M25 J12 - 11 (mainline) | 7600 | 2.54 | 110 | 109 | 139 | 139 | 140 | 141 | 141 |
| Ν | M3 | J2 - 1 (mainline) | 5700 | 8.57 | 110 | 167 | 153 | 156 | 157 | 165 | 166 |
| S | M3 | J1 - 2 (mainline) | 5700 | 7.97 | 110 | 120 | 166 | 168 | 168 | 171 | 171 |
| S | M3 | M3 J2 South to M25 J12 South | 3800 | 0.16 | 105 | 2 | 2 | 2 | 2 | 2 | 2 |
| Ν | M3 | M3 J2 South to M25 J12 North | 3400 | 0.86 | 80 | 3 | 6 | 6 | 6 | 8 | 8 |
| S | M3 | M3 J2 Slip Off Southbound | 3800 | 0.47 | 105 | 6 | 9 | 9 | 9 | 10 | 10 |
| S | M3 | J2 (mainline through junction) | 3800 | 1.44 | 105 | 24 | 21 | 20 | 21 | 23 | 23 |
| N | M3 | M3 J2 Slip On Northbound | 3800 | 0.37 | 105 | 5 | 3 | 3 | 3 | 5 | 6 |
| Ν | M25 | M25 J12 North to M3 J2 North | 3400 | 0.72 | 80 | 8 | 5 | 5 | 5 | 10 | 10 |
| N | M3 | J2 (mainline through junction) | 3800 | 1.55 | 105 | 29 | 34 | 34 | 35 | 29 | 28 |
| Ν | M25 | M25 J12 South to M3 J2 North | 3800 | 0.3 | 105 | 2 | 1 | 1 | 1 | 1 | 1 |
| S | M25 | M25 J12 South to M3 J2 South | 3400 | 0.56 | 80 | 7 | 12 | 12 | 12 | 10 | 10 |
| S | M3 | M3 J2 North to M25 J12 South | 3400 | 0.64 | 80 | 10 | 13 | 12 | 13 | 14 | 14 |
| Ν | M3 | M25 J12 Slip On Northbound | 3800 | 0.24 | 105 | 2 | 2 | 2 | 2 | 3 | 3 |
| Ν | M3 | M3 J2 Slip Off Northbound | 3800 | 0.48 | 105 | 10 | 12 | 11 | 12 | 14 | 14 |
| S | M3 | J2 - 3 (mainline) | 5700 | 10.77 | 110 | 328 | 401 | 401 | 405 | 415 | 414 |
| N | M3 | J3 - 2 (mainline) | 5700 | 10.74 | 110 | 403 | 470 | 468 | 475 | 482 | 480 |

M25 Junction 12 /M3 Junction 2 Uncongested Link Travel Time

| | | | | | Free Congested Link Travel Time (Veh Hrs) | | | | | | | |
|-----------|------|---------------------------------|----------|--------|---|------|--------|---------------|---------------|----------|---------------|--|
| Direction | Road | Link Name | Capacity | Link | Flow | 2005 | 2026 | 2026 | 2026 | 2026 | 2026 | |
| | INO. | | | Length | Speed (Knh) | 2005 | Do-Min | Scenario A | Scenario R | Scenario | Scenario D | |
| N | M25 | M25 J11-12 (mainline) | 7600 | 2.53 | 110 | 100 | 121 | 122 | 122 | 137 | 139 | |
| Ν | M25 | M25 J12 Slip Off Northbound | 3800 | 0.33 | 105 | 5 | 5 | 5 | 5 | 7 | 7 | |
| Ν | M25 | J12 (mainline through junction) | 5700 | 1.29 | 110 | 32 | 43 | 44 | 43 | 38 | 39 | |
| Ν | M25 | M25 J12 Slip On Northbound | 3800 | 0.36 | 105 | 4 | 5 | 5 | 5 | 7 | 7 | |
| Ν | M25 | J12 - 13 (mainline) | 9500 | 4.1 | 110 | 146 | 195 | 194 | 194 | 197 | 202 | |
| S | M25 | J13 - 12 (mainline) | 9500 | 3.98 | 110 | 147 | 187 | 185 | 186 | 176 | 180 | |
| S | M25 | M25 J12 Slip Off Southbound | 3800 | 0.52 | 105 | 8 | 10 | 10 | 10 | 10 | 10 | |
| S | M25 | J12 (mainline through junction) | 5700 | 1.21 | 110 | 26 | 35 | 34 | 34 | 33 | 33 | |
| S | M25 | M25 J12 Slip On Southbound | 3800 | 0.26 | 105 | 6 | 9 | 9 | 9 | 10 | 9 | |
| S | M25 | M25 J12 - 11 (mainline) | 7600 | 2.54 | 110 | 114 | 162 | 162 | 164 | 165 | 165 | |
| Ν | M3 | J2 - 1 (mainline) | 5700 | 8.57 | 110 | 171 | 157 | 160 | 161 | 169 | 170 | |
| S | M3 | J1 - 2 (mainline) | 5700 | 7.97 | 110 | 123 | 171 | 173 | 173 | 176 | 176 | |
| S | M3 | M3 J2 South to M25 J12 South | 3800 | 0.16 | 105 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Ν | M3 | M3 J2 South to M25 J12 North | 3400 | 0.86 | 80 | 3 | 6 | 6 | 6 | 8 | 8 | |
| S | M3 | M3 J2 Slip Off Southbound | 3800 | 0.47 | 105 | 7 | 9 | 9 | 9 | 10 | 10 | |
| S | M3 | J2 (mainline through junction) | 3800 | 1.44 | 105 | 25 | 21 | 21 | 22 | 24 | 24 | |
| Ν | M3 | M3 J2 Slip On Northbound | 3800 | 0.37 | 105 | 6 | 3 | 3 | 3 | 6 | 6 | |
| Ν | M25 | M25 J12 North to M3 J2 North | 3400 | 0.72 | 80 | 8 | 5 | 5 | 5 | 11 | 11 | |
| Ν | M3 | J2 (mainline through junction) | 3800 | 1.55 | 105 | 31 | 35 | 36 | 36 | 30 | 29 | |
| Ν | M25 | M25 J12 South to M3 J2 North | 3800 | 0.3 | 105 | 2 | 1 | 1 | 1 | 1 | 1 | |
| S | M25 | M25 J12 South to M3 J2 South | 3400 | 0.56 | 80 | 7 | 13 | 13 | 13 | 11 | 11 | |
| S | M3 | M3 J2 North to M25 J12 South | 3400 | 0.64 | 80 | 10 | 13 | 13 | 13 | 15 | 15 | |
| N | M3 | M25 J12 Slip On Northbound | 3800 | 0.24 | 105 | 2 | 2 | 2 | 2 | 3 | 3 | |
| N | M3 | M3 J2 Slip Off Northbound | 3800 | 0.48 | 105 | 10 | 12 | 12 | 12 | 16 | 16 | |
| S | M3 | J2 - 3 (mainline) | 5700 | 10.77 | 110 | 343 | 444 | 443 | 450 | 466 | 465 | |
| N | M3 | J3 - 2 (mainline) | 5700 | 10.74 | 110 | 447 | 568 | 564 | 577 | 592 | 589 | |

M25 Junction 12 /M3 Junction 2 Congested Link Travel Time

| | | | Free VCR (Volume/Capacity Ratio) | | | | | | | atio) | |
|-----------|------|---------------------------------|----------------------------------|--------|-------|------|----------|----------|----------|----------|----------|
| Direction | Road | Link Name | Canacity | Link | Flow | | 2026 | 2026 | 2026 | 2026 | 2026 |
| Direction | No. | | Capacity | Length | Speed | 2005 | Do-Min | Scenario | Scenario | Scenario | Scenario |
| | | | | | (Kph) | | DO-Willi | Α | B | С | D |
| N | M25 | M25 J11-12 (mainline) | 7600 | 2.53 | 110 | 0.55 | 0.65 | 0.66 | 0.66 | 0.71 | 0.72 |
| Ν | M25 | M25 J12 Slip Off Northbound | 3800 | 0.33 | 105 | 0.41 | 0.38 | 0.38 | 0.38 | 0.59 | 0.59 |
| N | M25 | J12 (mainline through junction) | 5700 | 1.29 | 110 | 0.46 | 0.62 | 0.62 | 0.62 | 0.55 | 0.57 |
| Ν | M25 | M25 J12 Slip On Northbound | 3800 | 0.36 | 105 | 0.30 | 0.39 | 0.38 | 0.38 | 0.50 | 0.52 |
| Ν | M25 | J12 - 13 (mainline) | 9500 | 4.1 | 110 | 0.40 | 0.53 | 0.53 | 0.53 | 0.53 | 0.55 |
| S | M25 | J13 - 12 (mainline) | 9500 | 3.98 | 110 | 0.42 | 0.52 | 0.52 | 0.52 | 0.50 | 0.51 |
| S | M25 | M25 J12 Slip Off Southbound | 3800 | 0.52 | 105 | 0.43 | 0.52 | 0.51 | 0.51 | 0.49 | 0.50 |
| S | M25 | J12 (mainline through junction) | 5700 | 1.21 | 110 | 0.41 | 0.53 | 0.53 | 0.53 | 0.50 | 0.51 |
| S | M25 | M25 J12 Slip On Southbound | 3800 | 0.26 | 105 | 0.63 | 0.79 | 0.80 | 0.81 | 0.86 | 0.84 |
| S | M25 | M25 J12 - 11 (mainline) | 7600 | 2.54 | 110 | 0.62 | 0.79 | 0.79 | 0.80 | 0.80 | 0.80 |
| Ν | M3 | J2 - 1 (mainline) | 5700 | 8.57 | 110 | 0.36 | 0.33 | 0.34 | 0.34 | 0.35 | 0.36 |
| S | M3 | J1 - 2 (mainline) | 5700 | 7.97 | 110 | 0.29 | 0.40 | 0.41 | 0.41 | 0.41 | 0.41 |
| S | M3 | M3 J2 South to M25 J12 South | 3800 | 0.16 | 105 | 0.32 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| Ν | M3 | M3 J2 South to M25 J12 North | 3400 | 0.86 | 80 | 0.07 | 0.16 | 0.15 | 0.15 | 0.21 | 0.22 |
| S | M3 | M3 J2 Slip Off Southbound | 3800 | 0.47 | 105 | 0.38 | 0.52 | 0.52 | 0.52 | 0.57 | 0.57 |
| S | M3 | J2 (mainline through junction) | 3800 | 1.44 | 105 | 0.45 | 0.39 | 0.39 | 0.40 | 0.44 | 0.44 |
| Ν | M3 | M3 J2 Slip On Northbound | 3800 | 0.37 | 105 | 0.41 | 0.21 | 0.20 | 0.21 | 0.41 | 0.41 |
| Ν | M25 | M25 J12 North to M3 J2 North | 3400 | 0.72 | 80 | 0.25 | 0.17 | 0.17 | 0.17 | 0.33 | 0.34 |
| Ν | M3 | J2 (mainline through junction) | 3800 | 1.55 | 105 | 0.52 | 0.60 | 0.61 | 0.62 | 0.51 | 0.51 |
| Ν | M25 | M25 J12 South to M3 J2 North | 3800 | 0.3 | 105 | 0.18 | 0.06 | 0.05 | 0.06 | 0.11 | 0.11 |
| S | M25 | M25 J12 South to M3 J2 South | 3400 | 0.56 | 80 | 0.28 | 0.51 | 0.52 | 0.51 | 0.42 | 0.43 |
| S | M3 | M3 J2 North to M25 J12 South | 3400 | 0.64 | 80 | 0.36 | 0.47 | 0.46 | 0.47 | 0.53 | 0.52 |
| Ν | M3 | M25 J12 Slip On Northbound | 3800 | 0.24 | 105 | 0.24 | 0.25 | 0.24 | 0.24 | 0.32 | 0.32 |
| Ν | M3 | M3 J2 Slip Off Northbound | 3800 | 0.48 | 105 | 0.56 | 0.67 | 0.65 | 0.66 | 0.79 | 0.79 |
| S | M3 | J2 - 3 (mainline) | 5700 | 10.77 | 110 | 0.59 | 0.72 | 0.72 | 0.73 | 0.74 | 0.74 |
| N | M3 | J3 - 2 (mainline) | 5700 | 10.74 | 110 | 0.72 | 0.84 | 0.84 | 0.85 | 0.87 | 0.86 |

M25 Junction 12 / M3 Junction 2 VCR