

# Mid Sussex Transport Study

## **MSTS Stage 1 Final Report**

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## 1. Introduction

### 1.1. Overview

- 1.1.1. This report documents the tasks and outcomes from Stage 1 of the Mid Sussex Transport Study (2011-2012), which entailed using a strategic transport model to appraise the likely impacts and feasibility of land use options associated with the Mid Sussex District Plan (Consultation Draft, October 2011).
- 1.1.2. Mid Sussex District Council (MSDC) sought to understand the travel patterns arising from strategic land use and neighbourhood plan development scenarios. They also aimed to understand the feasibility of delivering these scenarios, in the context of the capacity of the existing transport network and the potential to resolve any access problems by introducing remedial interventions.
- 1.1.3. Amey was commissioned by the District Council (MSDC), in December 2011, to undertake the study, using a derivative of the West Sussex County Transport Model (WSCTM), which is a strategic multi-modal tool developed for West Sussex County Council (WSCC).

### 1.2. The Study Objectives

- 1.2.1. The purpose of the study was to evaluate the transport impacts of District Plan development allocations within Mid Sussex, at forecast years 2021 and 2031. It also considered the requirements of the Highways Agency (HA), West Sussex County Council (WSCC) and East Sussex County Council (ESCC) as the affected highway authorities.
- 1.2.2. Land use impacts were to be examined using the strategic multi-modal WSCTM to represent both highway and public transport (PT) network performance.
- 1.2.3. The main objectives of the Mid Sussex Transport Study (MSTS) were as follows:
  - To revise the WSCTM to give more accurate representation of current transport conditions in key parts of Mid Sussex, especially Burgess Hill;
  - To use the model to predict transport conditions for the AM peak in future years, at 2021, as an interim year for partial completion of planned development and at 2031, as the horizon year for full completion of District Plan development;
  - To take account of land use development in Mid Sussex, with committed improvements to the transport network, under alternative scenarios, namely:
    - a) A 'Baseline', with non-site-specific development, as predicted in the National Trip End Model (NTEM6.2);
    - b) A 'Reference Case', with committed development, only, allocated to specific sites;

c) A 'Development Case', with committed and strategic development allocated to specific sites and with residual, Neighbourhood Plan development spread across the District, in accordance with the draft Mid Sussex District Plan; and

- To assess the need for and likely success of, remedial transport interventions to mitigate the impact of the 'Development Case' situation.

### **1.3. Report Structure**

1.3.1. The structure of this Report is as follows:

- Chapter 2 gives a description of the WSCTM and a summary of the model validation;
- Chapter 3 outlines the demand forecasting methodology for the years 2021 and 2031;
- Chapter 4 discusses the development of the future year highway networks;
- Chapter 5 sets out the modelling results and output analysis;
- Chapter 6 provides a summary and conclusions; and
- Chapter 7 considers the reliability of the study findings.

## 2. Model Description and Validation

### 2.1. Context

- 2.1.1. In the context of the MSTS, it was decided to use a strategic transport model, to allow assessment of the wider potential impact of the development locations on the transport network, and the possible solutions in transport terms. It is envisaged that further work will be required, subsequently, to undertake more detailed analysis of impacts on key junctions as may be required by neighbouring highway and planning authorities, including the Highways Agency, East Sussex County Council, Surrey County Council, Lewes District Council, Tandridge District Council, Wealden District Council, Crawley Borough Council, Horsham District Council and the South Downs National Park Authority.
- 2.1.2. To deliver the strategic assessment, the West Sussex County model (WSCTM) at 2008 base year, was used to evaluate the development proposals. WSCTM is a strategic model that encapsulates the road network of West Sussex and surrounding local authorities. At a national level, the model incorporates all strategic zones within Great Britain.
- 2.1.3. Another local model is being assembled, outside this study, to show detailed highway conditions in Burgess Hill. This Burgess Hill Transport Model (BHTM) will give a more precise picture of land use and transport interaction in the town. However, the WSCTM was considered to be the only tool available for this type of strategic transport assessment.
- 2.1.4. The BHTM is an AM peak SATURN highway model derived from the WSCTM, but with extra network and land use detail added into Burgess Hill. It has been assembled by consultants WSP on behalf of Burgess Hill strategic site developers. The BHTM covers only part of the WSCTM area, extending between A272 / B2115, in the north and A27, in the south and between A24, in the west and A275, in the east. It does not include Crawley, Horsham, or East Grinstead and contains only skeleton detail for Haywards Heath.
- 2.1.5. A base year validation of the BHTM has been achieved against 2010 traffic conditions.
- 2.1.6. Further work was undertaken on the WSCTM, to enhance the detailed link and junction data within Mid Sussex zones. This ensured that the multi-modal model would be suitable for the scope of the study. Further details on modelling scope, development and validation are provided in the remainder of this section.
- 2.1.7. The model includes all motorways, primary roads, 'A' roads, 'B' roads and the majority of the 'C' roads that carry significant volumes of traffic, or that are required to provide appropriate representation of access to the villages in the county. Where traffic junctions and traffic signals are likely to have significant effects, the details of their general layout or 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.

- 2.1.8. The WSCTM assesses link capacity and therefore indicates which road sections are likely to experience delays as a result of traffic demand exceeding capacity with a consequent reduction in vehicle speeds. It can also indicate how traffic diverts away from busy routes (i.e. re-distribution effects), where traffic is slowed because of excessive demand, and adds to flows on secondary routes that may be less suitable and hence more sensitive to changes in flows. Overall, the WSCTM is a reasonable tool for the strategic transport assessment of the Mid Sussex District Plan development Strategy.

## 2.2. Model Area

- 2.2.1. The West Sussex County model includes a network that covers the entire county road and public transport infrastructure. The modelled area also has an external area that provides for movements to/from the county to external areas and for through movements. Figure 1 shows the extent of the modelled area in terms of the level of detail in the model.

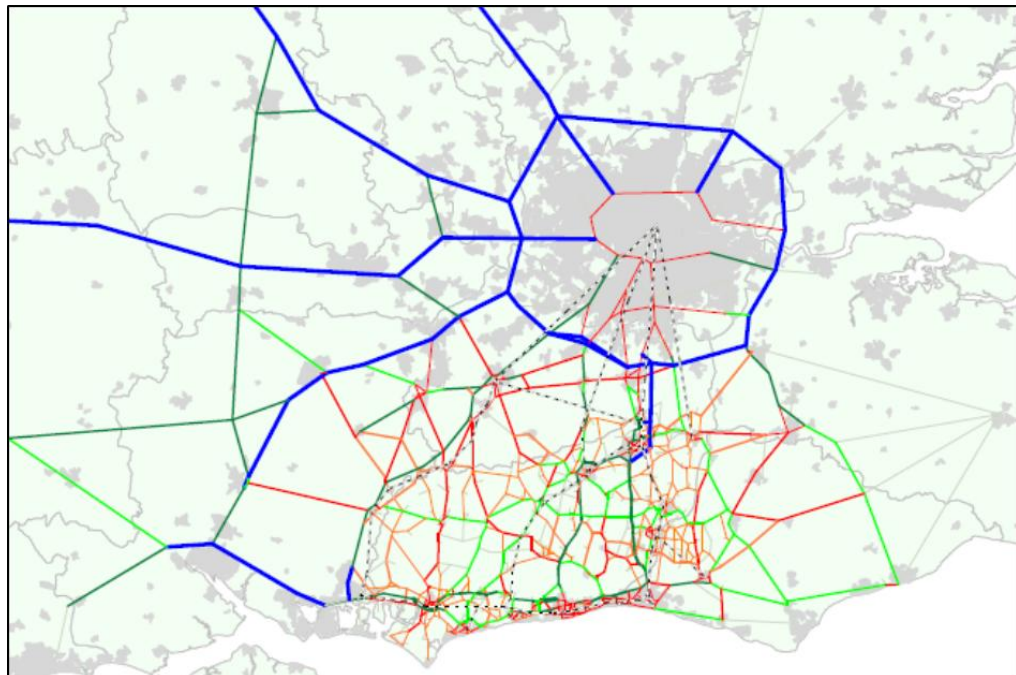


Figure 1: Model Extents

## 2.3. Model History

- 2.3.1. The WSCTM is a strategic traffic assignment model. It was developed using SATURN, to represent highway conditions and Cube, to represent public transport conditions, interlinked by a mode choice model and a trip destination choice model. Originally, the WSCTM was validated to base year AM peak 2008 conditions. It was also configured to represent a forecast situation in 2016 and 2026. These forecast years are not consistent with the development reference dates in the draft Mid Sussex District Plan (i.e. 2021 and 2031).
- 2.3.2. The model's purpose is to show wider-area, inter-urban transport conditions across West Sussex, by road, rail and bus. It is not designed to show detailed travel patterns, or network performance, within local settlements. The highway model is assembled in detailed 'simulation' format in the urban areas and in coarser 'buffer' format, outside.
- 2.3.3. Refinements have been made to the WSCTM highway component for the current study. These refinements comprised the following:
- More accurate replication of trip patterns in Burgess Hill, in line with surveys undertaken in 2010 for the BHTM;
  - More detailed configuration of the local transport network and land use zones in Burgess Hill, to include strategic development sites and accesses; and
  - New network detail covering roads between Burgess Hill and North / South Chailey, to the east, through Ashdown Forest and between Ditchling and Brighton.
- 2.3.4. Amendments have also been made to the WSCTM public transport configuration, as follows:
- Revisions to rail services, to reflect peak time extension of London – Gatwick express trains to and from Brighton; and
  - Updates to local bus services in Burgess Hill.
- 2.3.5. The resulting MSTS strategic base model is a partially updated 2010 version of the 2008 WSCTM. Since analysis of traffic data has indicated little change in traffic volumes and travel patterns in West Sussex over recent years, it is reasonable to take the overall MSTS model as a 2010 base.
- 2.3.6. Forecast outcomes from the MSTS model have then been derived at years 2021 and 2031 instead of 2016 and 2026 in the WSCTM.

## 2.4. Time Periods

- 2.4.1. The WSCTM currently only has the ability to model travel patterns, network performance and intervention impacts during the AM peak period. Reverse tidal travel patterns and consequent network outcomes cannot be identified by the present model.

## 2.5. Journey Purposes

2.5.1. All travel demand forecasts in the WSCTM have been derived at a person-trip level for all travel modes combined. The person-trips are split between travel modes within the Cube mode and destination choice model, according to the following trip purposes:

- Home-based work;
- Home-based education;
- Home-based other;
- Employer’s business; and
- Non home-based other.

## 2.6. Model Overview

2.6.1. The WSCTM model is implemented in a CUBE environment for the demand models and public transport assignments and interfaces with SATURN as the highway assignment software. In addition, there is a trip end forecasting model that derives the trip ends by purpose, based on user specified planning data and controls. Figure 2 shows the structure of the model and the flow of information between the main elements.

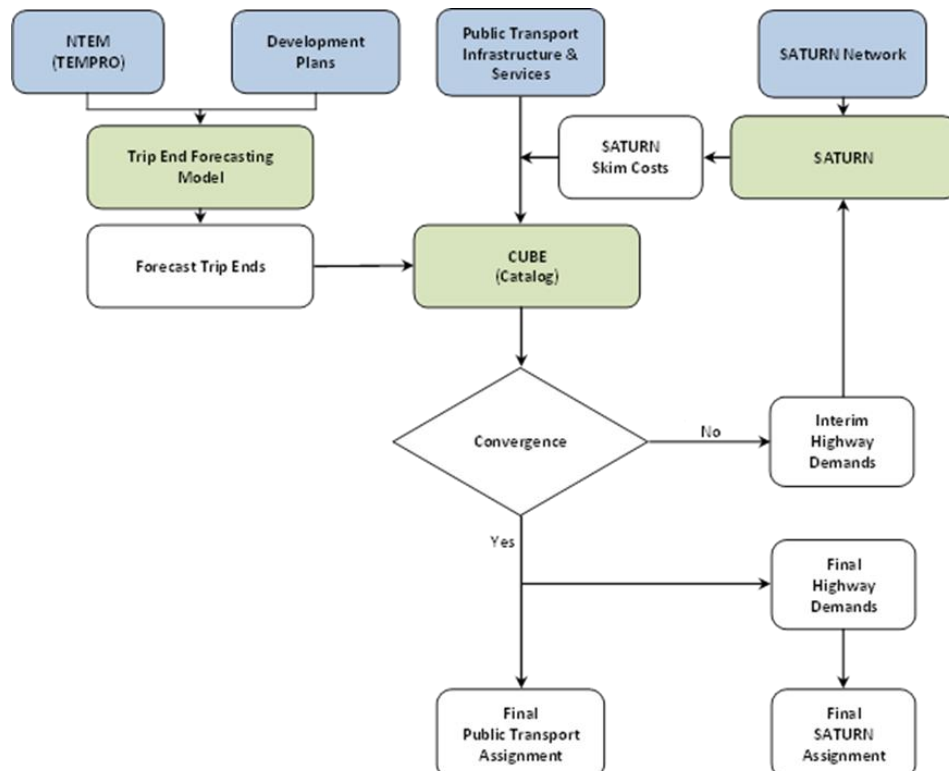


Figure 2: Model Structure

## 2.7. Zoning System

- 2.7.1. The latest inherited version of the West Sussex Strategic Transport Model has a 383-zone system covering the county and the rest of the UK. This was taken as the starting point for a review of the zoning system in the context of the current model update.
- 2.7.2. The WSCTM zoning system has been compared against the proposed zone system for the BHTM, and the proposed locations of the main strategic developments to be tested in the study.
- 2.7.3. The outcome of this review was to make some minor changes to the WSCC zoning system in Burgess Hill. These changes added seven zones to the model with the following aims:
- To enable the strategic developments to be directly allocated to their own zones (zones 387 to 390);
  - To separate out the town centre from the surrounding residential areas, as new zone 386; and
  - To split the single zone bounded by A273 Jane Murray Way into three separate zones, covering the residential area to the north, (zone 165), the industrial area, (zone 385), and the residential area to the south, (zone 384).
- 2.7.4. These small changes to the WSCTM zone system enabled more precise allocation of traffic to the local network and enhanced the validation on the local roads within Burgess Hill.
- 2.7.5. Figure 3 shows the revised zone of Burgess Hill, and Figure 4 shows the zone system in the main area of interest.

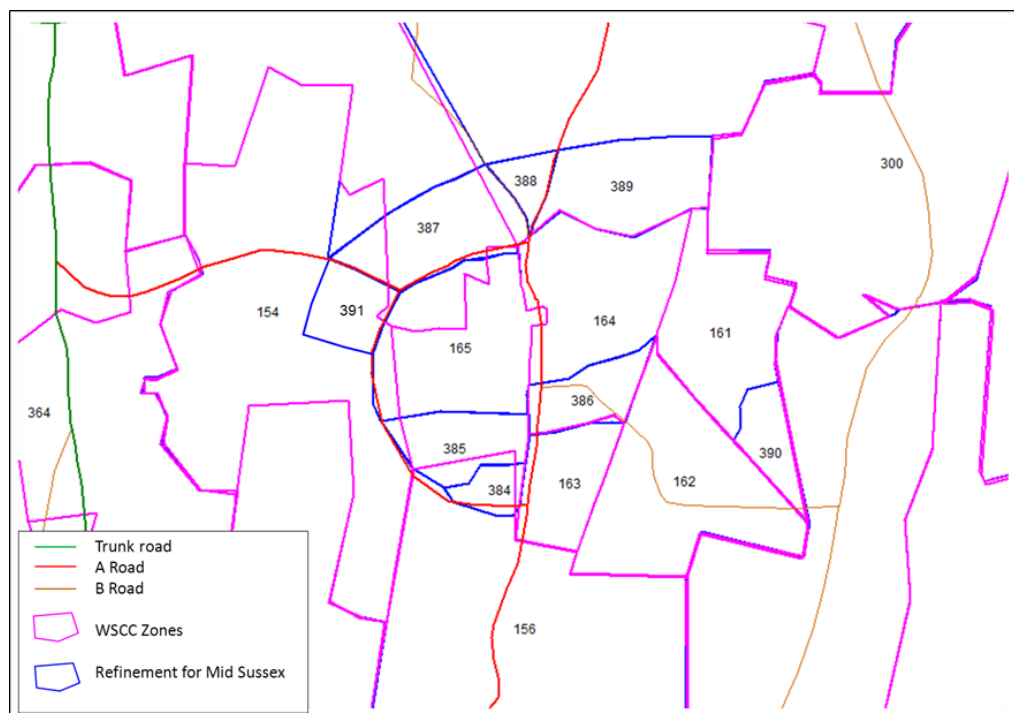


Figure 3: Burgess Hill Zoning



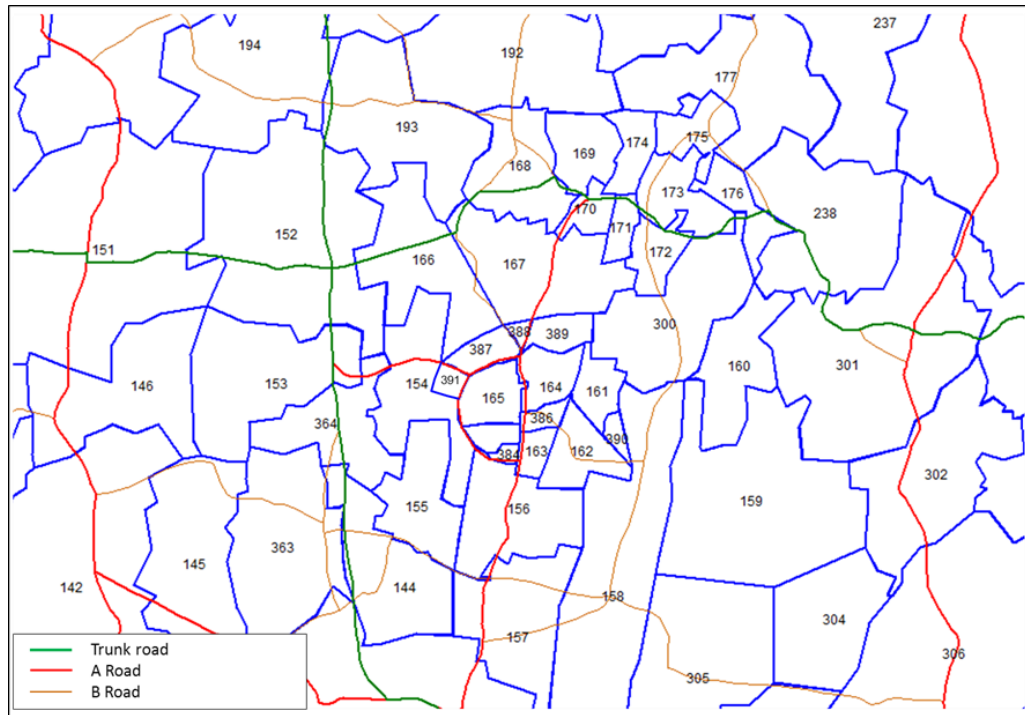


Figure 4: Mid Sussex Zoning

## 2.8. Highway Network Audit and Extension

2.8.1. As the West Sussex County model was originally created for county-wide policy review studies within West Sussex, some areas of the modelled network were not built with the amount of detail required for this particular assessment. Therefore, a network coverage review was completed on the existing modelled highway network in the Mid Sussex area.

2.8.2. Following the network coverage review a number of improvements in network detail were made, namely:

- Inclusion of roads between Burgess Hill and North / South Chailey, specifically Green Road, North Common Road, South Road, St Helena Lane, Honeypot Lane and Mill Lane;
- To the east, through Ashdown Forest, specifically Legsheath Lane, Colemans Hatch Road, Kidds Hill, B2026 and B2188; and
- Between Ditchling and Brighton, specifically Ditchling Road.

## 2.9. Public Transport Alterations

2.9.1. Amendments have also been made to the WSCTM public transport configuration, as follows:

- Revisions to rail services, to reflect peak time extension of London – Gatwick express trains to and from Brighton; and
- Updates to local bus services in Burgess Hill.

## 2.10. Traffic Data

2.10.1. Comprehensive traffic data were collected in and around Burgess Hill for the construction of the BHTM, in addition to existing data already available. The following data was supplied for updating the WSCTM:

- Road Side Interviews (RSI);
- Automatic Traffic Counts (ATC);
- Manual Classified Turning Count (MCC); and
- Journey Time surveys.

2.10.2. To complement the data collected for the BHTM, additional traffic information has been made available by West Sussex County Council (WSCC), East Sussex County Council (ESCC) and London Area Transport Study (LATS). More detailed information on the data collection exercise can be found in the BHTM Data Collection Report (February 2011).

### Roadside Interviews (RSI)

2.10.2.1 In November 2010, data were collected from 5 RSI sites around Burgess Hill, West Sussex. Information was collected between the hours 0700-1000. The locations of the survey sites are given in Table 1 below and also shown graphically in Figure 5.

Table 1: Roadside Interview Locations			
Site No.	Name	Date	Direction
1	A2300 Approach to Jane Murray Way	11/11/10 (Thursday)	Eastbound
2	B2030 at Pains Flat	11/11/10 (Thursday)	Southbound
3	A273 Isaac's Lane	11/11/10 (Thursday)	Southbound
4	Valebridge Rd	10/11/10 (Wednesday)	Southbound
5	B2113 Folders Lane	10/11/10 (Wednesday)	Westbound



Figure 5: Roadside Interview Locations

2.10.2.2 The RSI's were used to construct highway trip matrices at these locations before omitting these identified trips from the existing base matrices. This enabled a number of trips travelling in and out of Burgess Hill to be replaced with those from the observed RSI data. In this way, the subsequent matrices inherited the observed RSI trip distribution.

Automatic Traffic Counts (ATC)

2.10.2.3 Four separate sources of ATC data were identified as follows:

- BHTM temporary ATC Sites;
- Existing WSCC ATC traffic monitoring sites;
- Ad-hoc WSCC ATC sites; and
- Existing East Sussex County Council (ESCC) ATC traffic monitoring sites.

2.10.2.4 The locations of the survey sites are shown graphically in Figure 6.

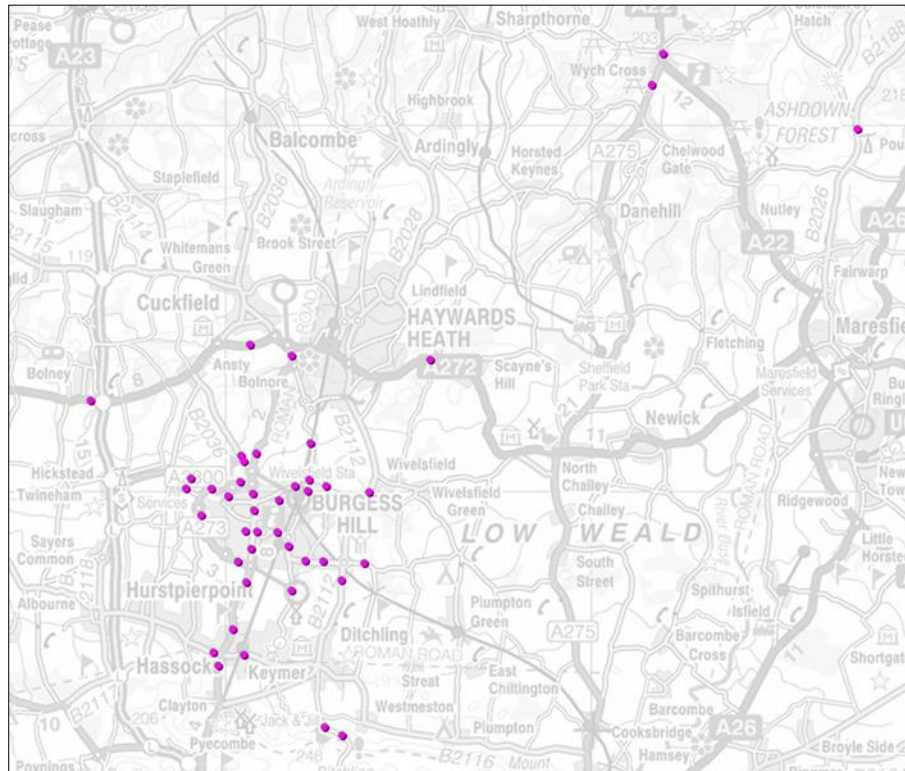


Figure 6: ATC Locations

Manual Classified Counts (MCC)

2.10.2.5 Turning count data were supplied for 20 sites collected for the BHTM and by ESCC. The location of the counts is provided in Figure 7. Table 2 provides further information on the location of the surveys.

Table 2: Manual Classified Count Locations		
Site No.	Junction	Date
1	Hammonds Ridge/A273 Jane Murray Way	3rd Nov 2010
2	B2036 London Rd/ B2113 Queen Elizabeth Avenue	3rd Nov 2010
3	Civic Way/ B2113 Queen Elizabeth Avenue	3rd Nov 2010
4	B2036 London Rd/ Royal George Rd/ Lower Church Rd	3rd Nov 2010
5	B2036 London Rd/ West St/ Leylands Rd	3rd Nov 2010
6	Sussex Way/ Gate House Lane/ Royal George Rd/ West St	3rd Nov 2010
7	Mill Rd/ Church Rd/ B2113 Station Rd	3rd Nov 2010
8	B22036 London Rd/ Dunstall Avenue/ Maple Drive	3rd Nov 2010
9	Leylands Park/ Leylands Rd	2nd Nov 2010

10	Charles Avenue/ A273 Jane Murray Way/ Hammonds Ridge	3rd Nov 2010
11	A272 Tylers Green/ A273 London Rd / A272 Butlers Green	2nd Nov 2010
12	B2112 Hazelgrove Rd/ A272 South Rd	3rd Nov 2010
13	A272 Bolney Rd/ B2036 Cuckfield Rd/ Access	2nd Nov 2010
14	A22 Wych Cross/ Hindleap Lane/ Colemans Hatch Rd	22 <sup>nd</sup> June 2010
15	A275/ A22 Wych Cross	22 <sup>nd</sup> June 2010
16	A22/ B2110 Forest Row	7 <sup>th</sup> June 2010
17	B2110/ C473 Colemans Hatch	30 <sup>th</sup> April 2008
18	B2110/ B2026 Hartfield	27 <sup>th</sup> April 2010
19	B2110/ B2026 Hartfield	22 <sup>nd</sup> April 2010
20	A264/ B2026 East of Holtye	18 <sup>th</sup> Oct 2011

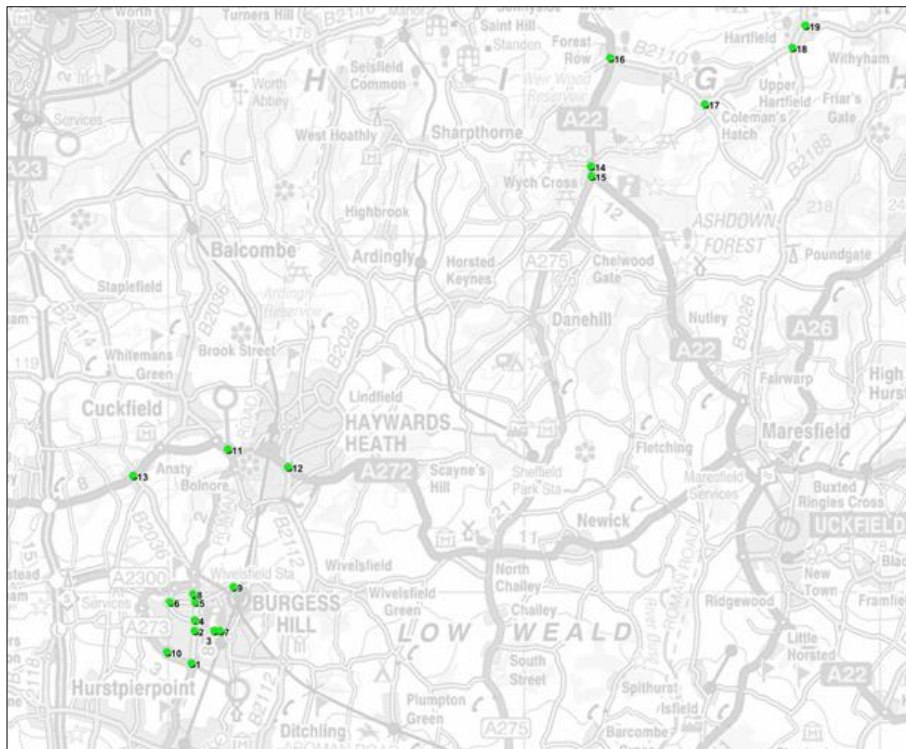


Figure 7: Manual Classified Count Locations

Journey Time Surveys (JTS)

2.10.2.6 Journey time data were supplied for four routes collected for the BHTM. Key routes in the Burgess Hill area were surveyed using the ‘moving observer’ method between 4th and 18th November 2010 for the AM period (0700 – 1000). Figure 8 shows the location of the journey time routes.

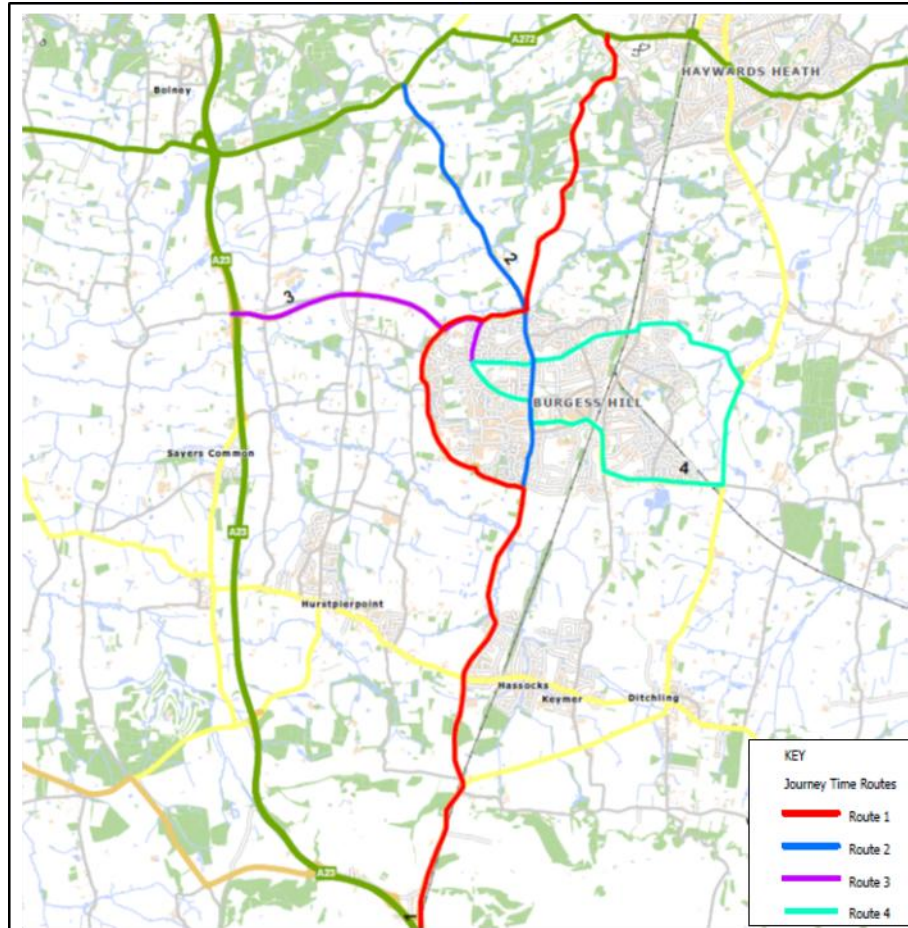


Figure 8: Journey Time Survey Routes

**2.11. Model Validation**

2.11.1. The WSCTM has previously undergone an extensive calibration and validation process, the results of which were reported in detail in February 2011. The main validation statistics for the entire model as previously reported are shown in Table 3.

2.11.2. The five major model validation tests are summarised below:

- 1) For movements between 700 vph and 2700 vph, the proportion of flows modelled within 15% of observed should be greater than 85%; and
- 2) For movements less than 700 vph the proportion of flows modelled within 100 vph of observed should be greater than 85%;

- 3) For movements greater than 2700 vph, the proportion of flows modelled within 400 vph of observed should be greater than 85%;
- 4) The total percentage of assigned flows in each model that have a 'GEH' value of less than 5.0, when compared to observed counts, should be 85%; and
- 5) The percentage of all journey time routes, which have a modelled times within 15% of observed times (or 1 minute, if higher), should be greater than 85%.

2.11.3. Table 3 shows that the WSCTM model fully satisfies DMRB requirements to a level that would be expected for major funding allocations or scheme bids.

Table 3: Overall Model Validation Statistics	
Criteria and Measure	Performance
1. Individual flows within 15% (flows 700 – 2,700 vph)	88.6%
2. Individual flows within 100 vph (flows <700vph)	87.2%
3. Individual flows within 400 vph (flows >2,700vph)	100.0%
4. GEH statistic: Individual flows: GEH < 5	89.1%
5. Highway Journey Time Validation	92.3%

## 2.12. Updated Model Validation

2.12.1. As previously outlined, in order to ensure robust assessments, a number of updates to the WSCTM model have been made, namely:

- More accurate replication of trip patterns in Burgess Hill, in line with surveys undertaken in 2010 for the BHTM;
- More detailed configuration of the local transport network and land use zones in Burgess Hill, to include strategic development sites and accesses; and
- New network detail covering roads between Burgess Hill and North / South Chailey, to the east, through Ashdown Forest and between Ditchling and Brighton;
- Revisions to rail services, to reflect peak time extension of London – Gatwick express trains to and from Brighton; and
- Updates to local bus services in Burgess Hill.

2.12.2. After refining the WSCTM, an acceptable validation has been achieved. Performance of the 2010 highway model is good compared with DMRB accuracy thresholds for each-way assigned and observed flows across a Burgess Hill cordon and across N/S and E/W screen-lines within the town. The 'GEH' is an error statistic that represents the closeness between modelled and observed criteria. Overall, the proportion of link flows with 'GEH' of less than 5 is 86% (target: 85% of link flows with GEH of less than 5).



- 2.12.3. Model performance is less good compared with thresholds for journey time accuracy. It achieves acceptable accuracy on 75% of routes (six out of eight) where modelled journey times are within 15% of observed (target: 85% of routes with journey times within 15% of observed). The inaccuracy arises from the necessary omission of some network and zoning detail in Burgess Hill, which means that the strategic model cannot truly replicate all local junction congestion and delay.
- 2.12.4. We have also checked the wider validation of the strategic MSTS highway model, to ensure that changes made in Burgess Hill have not adversely affected the accuracy of the model elsewhere. The results are shown in Table 4. In terms of assigned traffic flows, overall, 86% of surveyed routes have a 'GEH' of less than 5 (target: 85%), indicating that the wider 2010 strategic model is still reliable. In terms of route journey times, including the A272 and A23, the model represents 85% of routes as having journey times within 15% of observed, which also indicates that the strategic MSTS highway model is valid.

Table 4: Overall Model Validation Statistics	
Criteria and Measure	Performance
1. Individual flows within 15% (flows 700 – 2,700 vph)	86.4%
2. Individual flows within 100 vph (flows <700vph)	88.4%
3. Individual flows within 400 vph (flows >2,700vph)	87.5%
4. GEH statistic: Individual flows: GEH < 5	85.5%
5. Highway Journey Time Validation	85.0%



### 3. Demand Forecasting

#### 3.1. Overview

- 3.1.1. There are three, AM peak, travel demand scenarios represented in the MSTS at each of forecast years 2021 and 2031, namely, Baseline, Reference Case and Development Case. Main components of these scenarios are outlined below.
- 3.1.2. Development outside Mid Sussex is handled consistently in each of the three scenarios. Here, future demand is based upon planning data (households and jobs) and trip forecasts contained in NTEM6.2. The only exceptions are Crawley Main and Horsham Rural zones, where the largest strategic, committed, residential and employment developments have been modelled in all scenarios as site-specific trip movements, using land use assumptions from relevant transport assessments and TRICS trip rates.
- 3.1.3. Detailed trip patterns have not been modelled for proposed development sites in Lewes district (East Sussex), because these sites are not commitments and do not have sufficient certainty of progressing. Developments further afield in Horsham district (Broadbridge Heath) have not been represented specifically, since they lie outside the core areas of interest in the MSTS model.

#### 3.2. Development Scenarios

- 3.2.1. This transport assessment focuses on three different demand scenarios, namely:
- Baseline – The Baseline forecast represents NTEM6.2 trip growth for Mid Sussex, from base year, without any adjustment to planning data (households and jobs) and without any site-specific development trips in any model zones;
  - Reference Case – The Reference Case represents committed developments only, modelled on a site specific basis, with no other NTEM growth in Mid Sussex; and
  - Development Case – The Development Case represents committed and strategic land uses, modelled on a site specific basis, with inclusion of further NTEM growth in Mid Sussex to represent Neighbourhood Plan development.
- 3.2.2. A breakdown of the individual components of planning data for each development scenario, in terms of households and jobs, is shown in Table 5 with site specific locations shown in Figure 9.



Table 5: Development Scenarios							
Location/Description	Dwellings		Jobs		Baseline	Reference Case	Development Case
	2021	2031	2021	2031			
<b>Committed Developments</b>							
Rural (Mid Sussex)	282	282	375	375	NTEM6.2	✓	✓
Burgess Hill (Main)	1326	1501	15	15		✓	✓
Haywards Heath	1353	1353	562	562		✓	✓
East Grinstead (Main)	618	658	92	92		✓	✓
Hurstpierpoint/Keymer	214	214	0	0		✓	✓
Crawley Down	163	163	118	118		✓	✓
Copthorne	12	12	0	0		✓	✓
Cuckfield	103	103	0	0		✓	✓
Crawley (Main)	2700	2700	180	180		✓	✓
Rural (Horsham)	2100	2650	698	721		✓	✓
<b>Neighbourhood Plan Developments</b>							
Rural (Mid Sussex)	180	360	216	432	NTEM6.2	x	✓
Burgess Hill (Main)	309	618	370	741		x	✓
Haywards Heath	309	618	370	741		x	✓
East Grinstead (Main)	95	190	114	228		x	✓
Hurstpierpoint/Keymer	116	232	139	278		x	✓
Crawley Down	64	129	77	154		x	✓
Copthorne	39	77	46	93		x	✓
Cuckfield	39	77	46	93		x	✓
<b>Strategic Developments</b>							
Northern Arc	1750	3500	0	0	NTEM6.2	x	✓
East of Kingsway	250	500	0	0		x	✓
A2300 Business Park	0	0	2423	4845		x	✓

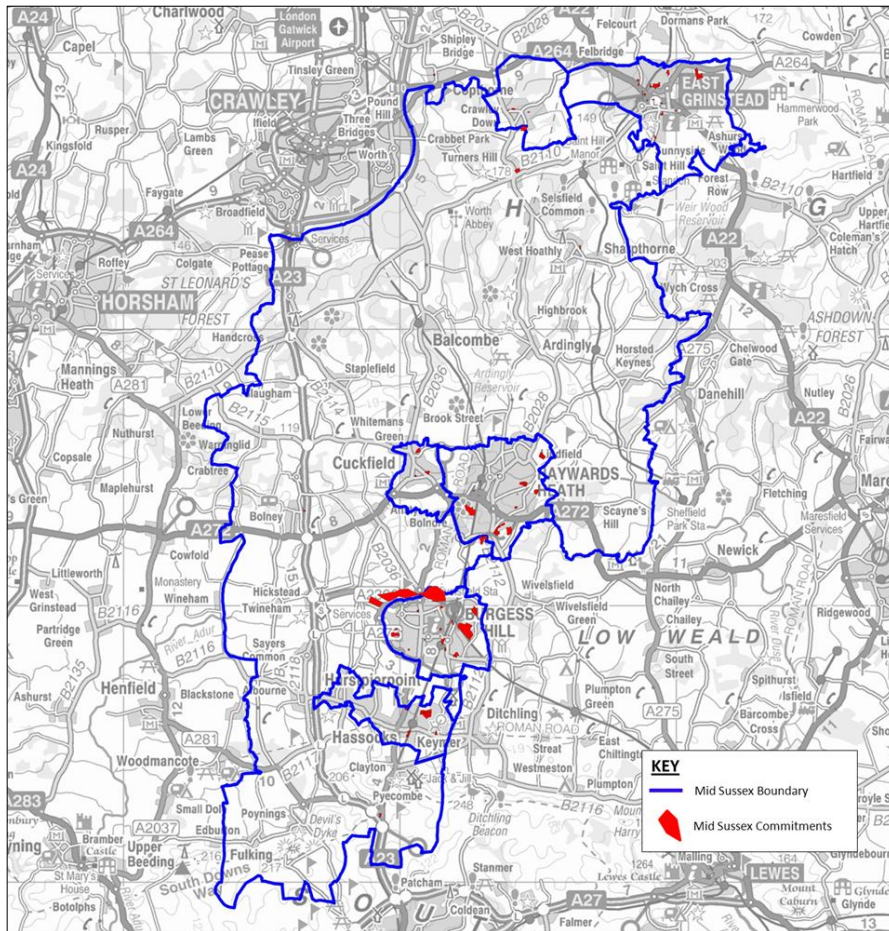


Figure 9: Development Site Locations

3.2.3. In order to exclude A2300 Business Park from NTEM, for the Baseline and Reference Case, the size of the strategic employment site has been measured in terms of its number of jobs, shown in Table 5. However, for modelling site-specific arrivals and departures in the Development Case, the A2300 Business Park has been assessed by applying TRICS multi-modal trip rates per 100sqm GFA to the site's gross external area (GEA). The development area of 20 hectares has been converted into equivalent jobs and trip rates, on the basis of evidence from MSDC, as shown in Table 6.

**Table 6: Calculation of Jobs and Trips at A2300 Business Park (2031)**

60% of 20ha site will be developed, i.e. 12ha									
Land-Use Type	% of Total Area	GEA (ha)	Ratio of NIA / GEA	NIA (sqm) per Job	No. Jobs	Trip Arrivals per 100sqm GFA (GEA) (Persons, all modes)	Trip Departures per 100sqm GFA (GEA) (Persons, all modes)	Total AM Peak Person Trip Arrivals	Total AM Peak Person Trip Departures
B1a Office	25%	3.00	85%	12.0	2,125	1.789	0.074	537	22
B1b Research and Development	17%	2.06	85%	12.0	1,457	2.235	0.305	460	63
B1c Business Park	30%	3.60	85%	47.0	651	0.601	0.235	216	85
B2 Industry	13%	1.84	85%	36.0	364	0.600	0.253	110	47
B8 Distribution	15%	1.80	95%	70.0	244	0.038	0.019	7	3
Overall	100%	12.00			4,842			1,330	220

3.2.4. The total AM peak trip arrivals and departures at the site are adjusted slightly in the model, as shown in Table 15, to equalise the matrix origin and destination totals.

### 3.3. Strategic Development Allocations at 2031

3.3.1. The MSTS appraisal has been based upon the following schedule of strategic development in Burgess Hill, by 2031, as specified by MSDC for the draft District Plan:

- Land to the north and north west of Burgess Hill – 3,500 dwellings;
- Land to the east of Burgess Hill, at Kingsway – 500 dwellings; and
- A2300 Business Park – 20ha / 4,845 jobs.

### 3.4. Mid Sussex Travel Demand Components

3.4.1. The Baseline demand scenario represents the likely outturn pattern of travel movements, in Mid Sussex, if growth follows national trends, as predicted in NTEM6.2, rather than local trends.

3.4.2. In the Baseline, NTEM6.2 trip forecasts have been used for all Mid Sussex zones (Burgess Hill, Haywards Heath, East Grinstead, Cuckfield, Copthorne, Crawley Down, Hurstpierpoint / Keymer and Rural).

- 3.4.3. It was judged that the Baseline NTEM planning forecasts (2011-2031) are roughly equivalent to MSDC forecasts of committed housing development (existing planning permissions and housing allocations) plus the proposed strategic housing allocations at Burgess Hill (about 8,400 households, in total), but that they exclude proposed Neighbourhood Plan allocations (about 2,300 households).
- 3.4.4. It was also calculated that the Baseline NTEM forecasts are roughly equivalent to MSDC forecasts of committed employment development (existing planning permissions and employment allocations) plus half of the proposed strategic employment allocations at Burgess Hill (about 5,000 jobs, in total), but that they exclude the remaining half of the proposed strategic and all of the Neighbourhood Plan allocations (about 5,100 jobs).
- 3.4.5. The Baseline is not especially helpful for comparison with detailed development outcomes, as it includes partial planning data for Mid Sussex strategic sites and no data for neighbourhood sites. It therefore reflects neither a situation with full development, re-apportioned between districts, nor a situation without any local development.
- 3.4.6. For the future year Reference and Development Case assessments (2021 and 2031), NTEM6.2 trip forecasts were used as the county-wide and regional basis of traffic growth estimation. However, within Mid Sussex there was likelihood that demand would be exaggerated, if site-specific trip patterns were added on top of NTEM, because NTEM considers committed and strategic development within its estimation of traffic growth.
- 3.4.7. If Mid Sussex development traffic was to be assigned to links on the network with standard NTEM growth already applied, it would mean that committed and strategic development traffic would have been incorporated twice. Therefore, owing to these concerns over the possibility of double counting growth of development traffic, the following procedure for deriving background growth has been undertaken.
- 3.4.8. In the Reference Case, all NTEM trip growth in Mid Sussex has been excluded and replaced by site-specific trips for committed developments, only, calculated using TRICS. The NTEM background growth that is part of the Baseline has been excluded, as it represents strategic development that should not be included in the Reference Case.
- 3.4.9. The Reference Case represents a more useful benchmark for comparing with detailed development outcomes, as it excludes all strategic and neighbourhood plan development and, therefore, gives a truer picture of likely development impacts.
- 3.4.10. In the Development Case, all NTEM trip growth in Mid Sussex has again been removed but, this time, replaced by site-specific trips for committed and strategic developments. In addition, proposed Neighbourhood Plan development has been incorporated as extra households and jobs in NTEM, spread amongst Mid Sussex neighbourhoods in line with NTEM growth proportions and adjusted according to MSDC advice.

### **3.5. Development Phasing**

- 3.5.1. Likely phasing of land use developments, in future years, was agreed to be as follows:

- Committed development (Reference Case and Development Case) – 100% by 2021 and also by 2031;
- Strategic development (Development Case only) – 50% by 2021 and 100% by 2031; and
- Neighbourhood Plan development (Development Case only) – 50% by 2021 and 100% by 2031.

### **3.6. NTEM**

- 3.6.1. Table 7, below, shows the adjusted NTEM planning data, under the Development Case and Reference Case, compared with the Baseline NTEM forecast. It indicates the planned household and job growth, between 2011 and 2031, for NTEM only and for committed sites, strategic sites and Neighbourhood Plan sites, respectively.

**Table 7: Comparison of Baseline NTEM Planning Data with Reference and Development Cases**

NTEM 6.2			Commitments				Strategic Sites		Non-Strategic Sites		
NTEM Zone Ref.	Location	NTEM Growth 2011-2031		Committed Growth 2011-2031			Strategic Growth 2011-2031		Neighbourhood Plan allocation 2011-2031		
		House-holds	Jobs	House-holds			Jobs	House-holds	Jobs	House-holds	Jobs
				Large Sites	Small Sites	Total					
	Mid Sussex (Excluding Crawley and Horsham)	7916	4969	4036	250	4286	1162	4000	4842	2300	2758
45UG0	Rural (Mid Sussex)	1138	863	220	62	282	375	0	0	360	432
45UG1	Burgess Hill (main)	1933	1173	1454	47	1501	15	4000	4842	618	741
45UG2	Haywards Heath	1890	1420	1308	45	1353	562	0	0	618	741
45UG3	East Grinstead (main)	1396	1059	610	48	658	92	0	0	190	228
45UG4	Hurst-pierpoint / Keymer	743	192	187	27	214	0	0	0	232	278
45UG5	Crawley Down	410	87	150	13	163	118	0	0	129	154
45UG6	Copthorne	204	73	12	0	12	0	0	0	77	93
45UG7	Cuckfield	202	102	95	8	103	0	0	0	77	93
45UE1	Crawley (main)	1841	3004	2700	0	2700	180	0	0	0	0
45UF0	Rural (Horsham)	2189	473	2650	0	2650	721	0	0	0	0

3.6.2. Tables 8 to 12 show the NTEM growth factors derived for the Mid Sussex Study Areas. Growth factors have been derived at a person-trip level for all travel modes combined according to the following trip purposes:

- Home-based work (Table 8);
- Home-based education (Table 9);
- Home-based other (Table 10);
- Employer’s business (Table 11); and
- Non home-based other (Table 12).

Table 8: Growth in Person Trips NTEM6.2 – Home-based Work												
NTEM Region	Baseline				Reference Case				Development Case			
	2008-2021		2008-2031		2008-2021		2008-2031		2008-2021		2008-2031	
	P	A	P	A	P	A	P	A	P	A	P	A
Rural (Mid Sussex)	1.07	1.09	1.06	1.10	0.96	1.00	0.92	1.01	0.98	1.02	0.95	1.04
Burgess Hill (Main)	1.08	1.09	1.07	1.10	0.95	1.00	0.90	1.00	0.97	1.02	0.95	1.05
Haywards Heath	1.07	1.10	1.05	1.11	0.95	1.00	0.90	1.00	0.97	1.02	0.94	1.05
East Grinstead (Main)	1.06	1.09	1.04	1.11	0.95	1.00	0.90	1.00	0.96	1.01	0.92	1.02
Hurstpierpoint/Keymer	1.08	1.08	1.07	1.09	0.96	1.00	0.92	1.00	0.99	1.05	0.96	1.11
Crawley Down	1.12	1.09	1.12	1.10	0.95	1.00	0.91	1.01	0.98	1.08	0.97	1.15
Copthorne	1.06	1.08	1.04	1.09	0.95	1.00	0.91	1.00	0.97	1.04	0.95	1.09
Cuckfield	1.08	1.10	1.06	1.12	0.96	1.01	0.91	1.01	0.99	1.05	0.96	1.10

Table 9: Growth in Person Trips NTEM6.2 – Home-based Education												
NTEM Region	Baseline				Reference Case				Development Case			
	2008-2021		2008-2031		2008-2021		2008-2031		2008-2021		2008-2031	
	P	A	P	A	P	A	P	A	P	A	P	A
Rural (Mid Sussex)	1.04	1.01	1.04	1.02	0.93	0.93	0.90	0.93	0.95	0.95	0.94	0.97
Burgess Hill (Main)	1.06	1.03	1.07	1.04	0.93	0.95	0.90	0.95	0.96	0.97	0.94	0.99
Haywards Heath	1.04	1.01	1.03	1.01	0.92	0.92	0.88	0.91	0.94	0.94	0.92	0.95
East Grinstead (Main)	1.03	1.00	1.02	1.00	0.92	0.92	0.89	0.91	0.93	0.93	0.91	0.92
Hurstpierpoint/Keymer	1.04	1.00	1.03	0.99	0.93	0.92	0.89	0.91	0.95	0.97	0.93	1.01
Crawley Down	1.09	1.05	1.11	1.06	0.93	0.96	0.90	0.97	0.96	1.03	0.96	1.11
Copthorne	1.03	0.99	1.03	0.98	0.93	0.92	0.90	0.91	0.95	0.96	0.94	0.99
Cuckfield	1.04	1.01	1.04	1.01	0.93	0.92	0.89	0.91	0.95	0.96	0.94	0.98





**Table 10: Growth in Person Trips NTEM6.2 – Home-based Other**

NTEM Region	Baseline				Reference Case				Development Case			
	2008-2021		2008-2031		2008-2021		2008-2031		2008-2021		2008-2031	
	P	A	P	A	P	A	P	A	P	A	P	A
Rural (Mid Sussex)	1.11	1.10	1.17	1.18	0.99	1.01	1.01	1.07	1.02	1.03	1.06	1.11
Burgess Hill (Main)	1.12	1.11	1.19	1.19	0.99	1.01	1.00	1.07	1.01	1.04	1.05	1.13
Haywards Heath	1.12	1.11	1.19	1.18	1.00	1.00	1.02	1.05	1.02	1.03	1.06	1.10
East Grinstead (Main)	1.10	1.10	1.16	1.17	0.99	1.01	1.00	1.06	1.00	1.01	1.02	1.08
Hurstpierpoint/Keymer	1.14	1.11	1.22	1.18	1.01	1.01	1.05	1.05	1.04	1.05	1.09	1.15
Crawley Down	1.14	1.13	1.21	1.21	0.98	1.02	0.99	1.07	1.01	1.08	1.05	1.19
Copthorne	1.09	1.10	1.14	1.17	0.98	1.01	0.99	1.06	1.00	1.04	1.04	1.14
Cuckfield	1.11	1.11	1.17	1.18	0.99	1.00	1.01	1.05	1.02	1.04	1.06	1.13

**Table 11: Growth in Person Trips NTEM6.2 – Employers Business**

NTEM Region	Baseline				Reference Case				Development Case			
	2008-2021		2008-2031		2008-2021		2008-2031		2008-2021		2008-2031	
	P	A	P	A	P	A	P	A	P	A	P	A
Rural (Mid Sussex)	1.07	1.10	1.07	1.12	0.97	1.01	0.95	1.03	0.99	1.03	0.99	1.07
Burgess Hill (Main)	1.09	1.10	1.09	1.12	0.97	1.01	0.95	1.03	0.99	1.04	0.99	1.08
Haywards Heath	1.09	1.11	1.09	1.15	0.98	1.02	0.95	1.03	1.00	1.04	1.00	1.08
East Grinstead (Main)	1.07	1.11	1.07	1.14	0.97	1.01	0.94	1.03	0.98	1.02	0.96	1.05
Hurstpierpoint/Keymer	1.09	1.10	1.09	1.12	0.98	1.01	0.95	1.03	1.00	1.07	1.00	1.15
Crawley Down	1.10	1.10	1.10	1.13	0.95	1.02	0.92	1.03	0.99	1.09	0.99	1.18
Copthorne	1.05	1.09	1.03	1.11	0.95	1.01	0.92	1.02	0.98	1.06	0.96	1.12
Cuckfield	1.08	1.12	1.08	1.15	0.97	1.02	0.94	1.04	1.00	1.06	1.00	1.12

**Table 12: Growth in Person Trips NTEM6.2 – Non Home-based Other**

NTEM Region	Baseline				Reference Case				Development Case			
	2008-2021		2008-2031		2008-2021		2008-2031		2008-2021		2008-2031	
	P	A	P	A	P	A	P	A	P	A	P	A
Rural (Mid Sussex)	1.09	1.09	1.13	1.13	1.01	1.00	1.04	1.04	1.02	1.02	1.08	1.08
Burgess Hill (Main)	1.10	1.09	1.14	1.14	1.01	1.01	1.04	1.04	1.03	1.03	1.10	1.09
Haywards Heath	1.10	1.09	1.14	1.14	1.00	1.00	1.03	1.02	1.02	1.02	1.08	1.07
East Grinstead (Main)	1.09	1.09	1.14	1.13	1.00	1.00	1.03	1.03	1.01	1.00	1.05	1.04
Hurstpierpoint/Keymer	1.09	1.08	1.13	1.13	1.00	1.00	1.04	1.03	1.06	1.05	1.15	1.15
Crawley Down	1.10	1.10	1.15	1.15	1.02	1.01	1.05	1.05	1.09	1.09	1.20	1.20
Copthorne	1.08	1.08	1.13	1.12	1.01	1.00	1.04	1.03	1.05	1.04	1.13	1.13
Cuckfield	1.10	1.09	1.15	1.14	1.00	1.00	1.03	1.03	1.04	1.04	1.12	1.11

3.6.3. Tables 8-12 represent NTEM background growth before site-specific development trips are added into the model. Some of the NTEM factors in the Reference and Development Cases are less than 1.0, because a combination of committed, strategic and Neighbourhood Plan household and job data have been subtracted, before being added back as development trips. However, the modelled matrix trip end growth rate is always greater than 1.0.

### 3.7. Heavy Goods Vehicle Forecasts

3.7.1. The growth in heavy goods vehicles (HGV) was assumed to follow national average trends and was therefore derived from the DfT’s National Transport Model (NTM) Road Transport Forecasts (RTF09). The growth rates are shown in Table 13.

Table 13: Heavy Goods Vehicle Growth Factors	
Modelled Years	HGV Growth Factor
2008-2021	1.114
2008-2031	1.178

### 3.8. Trip Rate Estimates for Individual Sites

3.8.1. Details of committed and strategic residential and employment sites in Mid Sussex were provided by MSDC. Multi-modal person trip rates from the TRICS database have been applied to the specified land use characteristics to derive site-specific trip arrivals and departures during the AM peak hour (0800 – 0900), for inclusion in zones in the MSTS model.

3.8.2. Multi-modal person trip rates have been applied to the committed and strategic developments, using a range of typical sites from TRICS, as agreed with the West Sussex County Council (WSCC) Highway Authority and MSDC.

3.8.3. Since it is a multi-modal model, the MSTS applies multi-modal person trip rates to the Burgess Hill strategic residential and employment land uses, whereas the BHTM uses highway-only trip rates. Consequently, the trip arrivals and departures at Northern Arc, East of Kingsway and A2300 Business Park, shown in Table 15, are different in MSTS from those calculated for BHTM. This difference is increased further by the mechanics of the MSTS forecast variable demand mode, because, as noted in section 5.4, the variable demand model has to equalise matrix origin and destination totals for assignment purposes. It also has to allow for changes in destination choice.

3.8.4. This methodology was used for all sites except for two major development sites near Crawley. For the Crawley committed developments (i.e. Kilnwood Vale and North East Sector), trip rates have been taken from the respective development transport assessment documents. A summary of trip rates for each development component of the model is given below in Table 14.

Table 14: Person Trip Rates			
Land Use Type	Unit	Arrivals	Departures
<b>Mid Sussex Developments (Committed and Strategic)</b>			
Residential	per dwelling	0.121	0.681
A1: Retailing	per 100m2	5.285	3.564
A2: Financial/Professional Services	per 100m2	1.789	0.074
B1a: Offices	per 100m2	1.789	0.074
B1b: Research/Development	per 100m2	2.235	0.305
B1c: Light Industry	per 100m2	0.601	0.235
B2: General Industry	per 100m2	0.600	0.253
B8: Storage & Distribution	per 100m2	0.038	0.019
C1: Hotel	per 100m2	0.455	0.816
D2: Leisure	per 100m2	0.868	1.06
<b>Crawley Kilnwood Vale</b>			
Residential	per dwelling	0.359	0.757
Employment	per 100m2	1.88	0.390
Foodstore	per 100m2 RFA	8.12	4.811
<b>Crawley North East Sector</b>			
Residential - Private Houses	per dwelling	0.240	0.759
Residential - Non Private Houses	per dwelling	0.206	0.665
Residential - Private Flats	per dwelling	0.114	0.451
Residential - Non Private Flats	per dwelling	0.185	0.445
B1	per 100m2	1.789	0.074
B2	per 100m2	0.600	0.253
B8	per 100m2	0.038	0.019

### 3.9. Additional Person Trips

- 3.9.1. Table 15 shows the estimated number of additional person trip arrivals and departures generated from the committed and strategic developments during the AM peak hour (0800 – 0900).

3.9.2. The negative values that appear in Tables 15 relate to an overall reduction in trips for particular areas caused by a change in land use i.e. a switch from commercial to residential or residential to commercial or a large change in the (GFA) or number of dwellings. Such changes can have an impact on the amount of trips produced from a development and more specifically change the balance in the amount of departures and arrivals.

Table 15: Additional Person Trips				
Location/Description	2021		2031	
	Arrivals	Departures	Arrivals	Departures
<b>Committed Residential Developments</b>				
Rural (Mid Sussex)	27	150	27	150
Burgess Hill (Main)	155	871	176	990
Haywards Heath	158	891	158	891
East Grinstead (Main)	69	388	74	415
Hurstpierpoint/Keymer	23	127	23	127
Crawley Down	18	102	18	102
Copthorne	1	8	1	8
Cuckfield	11	65	11	65
Crawley Kilnwood Vale	754	1590	951	2006
Crawley North East Sector	475	1456	475	1456
<b>Committed Commercial Developments</b>				
Rural (Mid Sussex)	122	42	138	42
Burgess Hill (Main)	-5	-3	-7	-3
Haywards Heath	202	52	177	52
East Grinstead (Main)	238	190	77	190
Hurstpierpoint/Keymer	0	0	0	0
Crawley Down	28	4	751	4
Copthorne	0	0	0	0
Cuckfield	0	0	0	0
Crawley Kilnwood Vale	353	151	353	151
Crawley North East Sector	40	6	40	6
<b>Strategic Residential Developments</b>				
Northern Arc	212	1192	424	2384

East of Kingsway	30	170	61	341
A2300 Business Park	0	0	0	0
<b>Strategic Employment Developments</b>				
Northern Arc	0	0	0	0
East of Kingsway	0	0	0	0
A2300 Business Park	656	106	1312	212

### 3.10. Forecast Person Trip Matrices

3.10.1. Table 16 presents the forecast person trip matrix totals for each demand scenario by purpose.

<b>Table 16: Person Trip Matrix Totals</b>			
<b>Purpose</b>	<b>2008</b>	<b>2021</b>	<b>2031</b>
<b>Baseline</b>			
Home-based Work	105228	114312	115573
Home-based Education	13546	14015	14206
Home-based Other	24762	27540	29812
Employers Business	33964	37061	37774
Non home-based Other	26100	28673	30009
<b>Total</b>	<b>203599</b>	<b>221600</b>	<b>227375</b>
<b>Reference Case</b>			
Home-based Work	105228	114515	115119
Home-based Education	13546	14057	14167
Home-based Other	24762	27577	29628
Employers Business	33964	37220	37848
Non home-based Other	26100	28921	30328
<b>Total</b>	<b>203599</b>	<b>222291</b>	<b>227090</b>
<b>Development Case</b>			
Home-based Work	105228	115612	117276
Home-based Education	13546	14196	14442
Home-based Other	24762	27836	30149
Employers Business	33964	37588	38577
Non home-based Other	26100	29233	30960
<b>Total</b>	<b>203599</b>	<b>224465</b>	<b>231404</b>

### 3.11. Demand Modelling

- 3.11.1. As outlined in Chapter 2, the Mid Sussex Study uses the latest version of the updated West Sussex County Model (WSCTM). The model is AM peak hour only, but includes trip generation, distribution and mode choice models, which provide an element of variable demand modelling.

#### Trip End Model

- 3.11.1.1 The trip end model derives future year demands based on changes in socio-economic data (car ownership/availability), demographic data (population and employment trends), and development plans. The output from the trip end model, which is based on NTEM and local planning projections, is a set of growth factors by purpose at a zone level for use in a Fratar growth factoring process, which updates the demand matrices to a set of balanced trip ends. New development areas, where the base year demands are low, are derived using the calibrated distribution functions.
- 3.11.1.2 The trip end model is not cost-dependent and the future year trips produced are based entirely on growth in car ownership, population and other demographic factors. The model assumes that the propensity to travel, or trip frequency, remains as observed in the base case for car and non-car-available travellers.

#### Trip Distribution

- 3.11.1.3 The distribution functions are calibrated to the observed trip length distribution, in relation to the generalised time of travel. The functions are based on the observed data from the roadside interviews, ensuring that the functions are pertinent to the strategic movements of primary interest.
- 3.11.1.4 The distribution functions are applied to produce synthetic flows in a reference and test scenario and to then determine the incremental change in demand, for application to the observed reference case flows. This enables the model to take account of any effect of increases in generalised time on the average distance travelled. The functions are applied in a doubly-constrained mode and to the AM peak hour matrices by purpose.

#### Mode Choice

- 3.11.1.5 The mode choice models have been set up and calibrated by purpose for the AM peak hour. The calibration process involved the importation of initial spread parameters, or lambda values, based on WebTAG Guidance and then the incremental adjustment of the spread parameters and modal constants for each purpose, until the modelled market shares matched the observed shares based on the developed car, bus and rail matrices.

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- 3.11.2. The above demand models are applied in an iterative process. The outturn demands derived from the first iteration are used to create new generalised times for input to the second iteration of the demand models. This process is repeated until an acceptable level of convergence between demand and supply costs is achieved. This is normally achieved within five iterations, so the default within the model is to run five iterations.

## 4. Future Year Network Development

### 4.1. Overview

4.1.1. Adjustments have been made to the MSTS base strategic model to reflect four strategies for future, cumulative, transport intervention, namely:

- Committed schemes, which will be implemented in all future scenarios (Baseline, Reference Case and Development Case (1, 2 and 3));
- Primary remedial schemes, to mitigate land use impacts, included in the Development Case (2 and 3); and
- Secondary remedial schemes, included in the Development Case (3).

4.1.2. Committed schemes include all interventions that are located inside and outside Mid Sussex District. Remedial schemes are in Mid Sussex, only.

### 4.2. Committed Interventions

4.2.1. Table 17 itemises the committed interventions, within Mid Sussex, represented in all model assignments. Other committed schemes have been represented outside Mid Sussex, but for brevity they are not listed here. These other schemes have been carried forward from the WSCTM Forecasting Report (Amey / WSCC, 22nd July 2011) and are listed in Table 3.1 of that document.

Table 17: MSTS Committed Transport Interventions			
General Location	Description	Type of Scheme	MSTS Modelling Assumptions
Haywards Heath	Completion of the Haywards Heath Relief Road Stages 5 & 6 (Stages 1 – 4 already implemented)	Highway Improvement	New highway links and junctions, with capacity and speed improvements, where appropriate
A23	A23 Handcross - Warninglid (HA scheme)	Highway Improvement	Link speed and capacity improvements, comprising: A23 widening from dual 2-lane to 3-lane all-purpose carriageway; closure of direct A23 accesses; local access road along west side of A23; dual 2-lane slips, dual 2-lane over-bridges and dumbbell roundabouts at both terminal junctions.



### 4.3. Primary Remedial Interventions

4.3.1. Table 18 shows the Primary Remedial interventions that have been modelled in development Cases (2 and 3). These interventions were identified by WSCC, in December 2011, as being potentially necessary to facilitate strategic development in Burgess Hill. They follow from the Report of the Focus Group – Burgess Hill Town Wide Strategy (i-transport / WSP, February 2011). The schemes have been consolidated by Amey for the MSTS, into a format compatible with the strategic model.

Table 18: MSTS Primary Remedial Transport Interventions			
General Location	Description	Type of Scheme	MSTS Modelling Assumptions
Burgess Hill	Northern Arc Link Road between A2300 & A273	Highway Access for Development	Single 2-lane all-purpose carriageway (40mph), with access roundabouts, between A2300, B2036, A273 and Maple Drive
Burgess Hill	Parking Strategy scheme - Introduction of a CPZ for the centre of Burgess Hill - potential extensions (e.g. Wivelsfield Station)	Car Parking Regulations	Highway parking charge increase, applied to all land uses and trip purposes within Burgess Hill town centre zones only; the charge increase is £6, i.e. doubling of the typical, all-day charge.
Burgess Hill	Bus service frequency and route connectivity enhancements, combined with sustainable transport links, improved passenger / parking facilities at bus / rail interchanges and links to development sites, including construction of Charles Avenue - Victoria Road bus-only link.	Bus Route Connectivity – New routes and services	New local bus services connecting: Kingsway development - B2113 - Burgess Hill Stn - Mill Rd - Leylands Rd - B2036 - N Arc - Wivelsfield Stn - Junction Rd - Cants La (2-way; 20-min headway). A2300 Business Park and Northern Arc development - Wivelsfield Stn - Junction Rd - Burgess Hill Stn - B2113 - Victoria Rd - Charles Av - A273 JMW (2-way; 20-min headway).
Burgess Hill	Victoria Road – York Road highway link	Omitted from model	Scheme excluded, because model is too coarse to show meaningful, new alignment

Table 18: MSTs Primary Remedial Transport Interventions			
General Location	Description	Type of Scheme	MSTs Modelling Assumptions
Burgess Hill	Traffic management strategy on the B2036, between Burgess Hill and Ansty, to mitigate the impact of future developments in Burgess Hill and Haywards Heath	Highway Traffic Restraint, such as carriageway build-outs, narrowing, alternate priority working and reduced speed limit, giving 15% speed reduction and 25% capacity reduction	40mph speed limit and capacity constraint over entire length of B2036 between A272 Ansty and A273 Fairplace Bridge
Burgess Hill ./ Haywards Heath	Safety-led improvements to A273 Isaac's Lane, between Burgess Hill and Bolnore	Highway Traffic Restraint, giving 15% speed reduction	40mph speed limit over entire length of route between B2036 Fairplace Bridge and A272 Bolnore
Burgess Hill	Downgrading the A273 Jane Murray Way / Sussex Way, between A2300 and A273 Fairplace Bridge	Highway Traffic Restraint	20mph speed limit and capacity constraint on A273 between A2300 and B2036 Fairplace Bridge
Burgess Hill	Route Strategy Improvement - A2300 A23 Hickstead junction to Burgess Hill. Localised carriageway widening at junctions A23 – A273	Highway Improvement	Widen junction approaches on A2300 to 3 lanes at A23, Hickstead, Cuckfield Rd and A273 Jane Murray Way
Hickstead	Junction improvements - A23 trunk road with the A2300 (Highways Agency scheme)	Highway Junction Improvement – localised widening	Junction capacity improvement with 3-lane dumbbell junction approaches from all arms, dual 2-lane over-bridge and dedicated left turn lanes at both roundabouts, with single lane slips
Burgess Hill	Junction improvement - A273 Fairplace Bridge double mini-roundabout junction	Highway Junction Improvement – widening on approaches	Linked traffic signals with localised widening to give increased approach capacity on all arms from single to two lanes
Burgess Hill	London Road / Leylands Road and London Road / West Street junctions - potential signal control	Highway Junction Improvement	Linked traffic signals with localised widening to give increased approach capacity on all arms from single to two lanes

Table 18: MSTS Primary Remedial Transport Interventions			
General Location	Description	Type of Scheme	MSTS Modelling Assumptions
Burgess Hill	London Road / Royal George Road / Lower Church Road - signal upgrade	Highway Junction Improvement	Improved traffic signals with localised widening to give increased approach capacity on all arms from single to two lanes
Burgess Hill	Junction Road / Leylands Road / Valebridge Road / Janes Lane junctions – potential signal control	Highway Junction Improvement	Linked traffic signals with localised widening to give increased approach capacity on all arms from single to two lanes
Burgess Hill	B2113 / B2112 junction – potential signal control	Highway Junction Improvement	Traffic signals with localised widening to give increased approach capacity on all arms from single to three lanes
Burgess Hill	Folders Lane / Kings Way junction – potential signal control	Highway Junction Improvement	Traffic signals with localised widening to give increased approach capacity on all arms from single to two lanes
Burgess Hill	Folders Lane / Keymer Road junction – potential signal control	Highway Junction Improvement	Traffic signals with localised widening to give increased approach capacity on all arms from single to two lanes
Burgess Hill	Junction Road / Cants Lane junction – potential signal control	Highway Junction Improvement	Traffic signals with localised widening to give increased approach capacity on all arms from single to two lanes
Burgess Hill	Smarter Choices car share / car club schemes	Modal Shift from Car	6% transfer of trips, from car-available person-trip O-D matrix to non-car-available, by each journey purpose group; the matrix adjustment will be applied to all zones in Burgess Hill.
East Grinstead	Smarter Choices - Area-wide Travel Plans (multi-stakeholder approach - not site specific) and establishment Transport Management Associations (TMAs) to implement their delivery	6% mode Shift from Car	6% transfer of trips, from car-available person-trip O-D matrix to non-car-available, by each journey purpose group; the matrix adjustment will be applied to all zones in East Grinstead.

Table 18: MSTS Primary Remedial Transport Interventions			
General Location	Description	Type of Scheme	MSTS Modelling Assumptions
East Grinstead	Controlled Parking Zone (CPZ) review for East Grinstead - potential extensions	Car Parking Regulations – Assumed doubling of long stay charges	Highway parking charge increase, applied to all land uses and trip purposes within East Grinstead town centre zones only; the charge increase is £6, i.e. doubling of the typical, all-day charge.

#### 4.4. Secondary Remedial Interventions

4.4.1. Table 19 indicates the Secondary Remedial interventions that have been assessed in Development Case (3).

Table 19: MSTS Secondary Remedial Transport Interventions			
General Location	Description	Type of Scheme	MSTS Modelling Assumptions
Burgess Hill	A273 Jane Murray Way extension (further modelling work required), between London Road and Keymer Road	Highway Improvement	A273 extension as single 2-lane all-purpose carriageway (40mph), with intermediate access roundabout, between B2036 London Rd/Jane Murray Way and B2113 Keymer Rd/Folders La. Assume terminal roundabouts with 2-lane approaches on all arms.
Burgess Hill	Additional bus service frequency and route connectivity enhancements, combined with sustainable transport links, improved passenger / parking facilities at bus / rail interchange.	Bus Route Connectivity – New routes and services, with higher frequency than in primary interventions	Higher frequency, new, local bus services connecting: Kingsway development - B2113 - Burgess Hill Stn - Mill Rd - Leylands Rd - B2036 - N Arc - Wivelsfield Stn - Junction Rd - Cants La (2-way; 20-min headway). A2300 Business Park and Northern Arc development - Wivelsfield Stn - Junction Rd - Burgess Hill Stn - B2113 - Victoria Rd - Charles Av - A273 JMW (2-way; 10-min headway).

**Table 19: MSTs Secondary Remedial Transport Interventions**

General Location	Description	Type of Scheme	MSTs Modelling Assumptions
Ansty	A272 localised traffic calming through Ansty village, to mitigate the impact of future developments in Burgess Hill and Haywards Heath	Highway Traffic Restraint, such as signing, line-marking and reduced speed limit, giving 25% speed reduction and 20% capacity reduction	30mph speed limit and capacity constraint on A272 through Ansty village
Burgess Hill	A2300 full widening to dual 2-lane carriageway A23 - A273	Highway Improvement	Dual 2-lane all-purpose carriageway with 3-lane junction approaches and 60mph speed limit, between A23 at Hickstead and A273 Jane Murray Way.
Burgess Hill	A273 Jane Murray Way other junction enhancements (x4 junctions)	Highway Junction Improvement	Approach capacity improvements (3 lanes) at A273 roundabouts: A273 / Sussex Way; A273 / Malthouse Lane; A273 / York Road; A273 / Charles Avenue.
Burgess Hill	B2112 / Janes Lane junction – potential signal control	Highway Junction Improvement	Traffic signals with localised widening to give increased approach capacity on all arms from single to two lanes
Haywards Heath	Parking Strategy Aim - Provision of a CPZ (dependent on regeneration scheme) to address issue of lack of off-street parking in Haywards Heath (long-term aspirational) - follow up review to be undertaken	Car Parking Regulations	Highway parking charge increase, applied to all land uses and trip purposes within Haywards Heath town centre zones only; the charge increase is £6, i.e. doubling of the typical, all-day charge.
Haywards Heath	Bus Scheme - Improved bus / rail interchange at Haywards Heath railway station	Bus Route Connectivity – Existing routes with 10-minute frequency	Increased bus frequency (10 min headway) for services accessing central Haywards Heath, i.e. through junction of B2038 Perrymont Rd / Market PI / Mill Green Rd / Sydney Rd.

4.4.1. It should be noted that no smarter choices initiatives have been identified by WSCC, in Haywards Heath, for inclusion in any of the remedial intervention cases.

#### 4.5. Model Assignment Packages

4.5.1. The forecast demand components, noted in section 3.2, have been combined in various combinations with the future transport interventions, noted in section 4.1, to produce the MSTS model assignment packages shown in Table 20.

Table 20: Summary of MSTS Model Assignment Packages					
	Model Assignment Package AM Peak 2021 and 2031				
	Baseline	Reference Case	Development Case (1)	Development Case (2)	Development Case (3)
<b>Demand Components</b>					
Committed Development	Yes	Yes	Yes	Yes	Yes
Strategic Development	No	No	Yes	Yes	Yes
Neighbourhood Plan Development	No	No	Yes	Yes	Yes
<b>Intervention Scenarios</b>					
Committed Schemes	Yes	Yes	Yes	Yes	Yes
Primary remedial Schemes	No	No	No	Yes	Yes
Secondary Remedial Schemes	No	No	No	No	Yes

4.5.2. The packages shown in Table 20 have been assessed using the MSTS AM peak model at 2021 and 2031.

4.5.3. It is anticipated that Development Case (2), with primary remedial interventions only, is the most credible outcome, at present, because it entails modest mitigation of development impacts, but not more onerous remedial schemes, such as traffic restraint on A272 through Ansty village, or extension of A273 Jane Murray Way between London Road and Keymer Road in Burgess Hill.

4.5.4. For ease of analysing the MSTS outputs, development Case (2) has been focussed upon as the main scenario for examination in this report.



## 5. Model Results and Analysis

### 5.1. Introduction

- 5.1.1. The MSTS model assignment outputs have been analysed for the AM peak situation at 2021 and 2031, as far as possible in accordance with the criteria outlined in the project brief.

### 5.2. Overall Network Travel Characteristics

- 5.2.1. Appendix A1 provides a summary of the following network-wide statistics:

- Total network trips by travel mode;
- Percentage change in trips between assignment packages;
- Network travel distance;
- Network travel time; and
- Network delay.

- 5.2.2. It is not possible to provide network fuel consumption statistics, because the highway model is divided into detailed 'simulation' areas and less refined 'buffer' areas. The SATURN model cannot provide fuel consumption values for the buffer network.

#### Overall Network Trip Movements

- 5.2.3. The overall network carries around 204,000 person trips at base year 2010. It is predicted to carry in the order of 222,000 trips in the Baseline and Reference Case at 2021, increasing by around 2,000 trips to 224,000 in the Development Case. By 2031, it will carry around 227,000 trips in the Baseline and Reference Case, rising by about 4,000 trips to 231,000 in the Development Case.
- 5.2.4. At 2021, the Reference Case carries about 0.3% more trips than the Baseline, because it includes all committed developments with associated site-specific trip rates, from TRICS. The trip rates in TRICS, for a given type and scale of land use, tend to be higher than those in TEMPRO, because TRICS accounts for short-distance local journeys, which, at a district level, are 'intra-zonal' and hence omitted from TEMPRO. At 2031, the Reference Case carries about 0.1% fewer trips than the Baseline, because it excludes strategic development that is present within NTEM.
- 5.2.5. The Development Case always handles more trips than the Reference case, at 2021 (by about 1.0%) and at 2031 (by about 1.9%), because it includes strategic and Neighbourhood Plan land use allocations.
- 5.2.6. The trip totals in the Reference Case and Development Case are greater at 2031 than at 2021, as a consequence of phased development completion and NTEM growth outside Mid Sussex district.



#### Overall Network Mode Split

- 5.2.7. The network-wide travel mode share varies little between model packages. Most trips are made by personal vehicles. The mode share amounts to about 92% by personal vehicle and 8% by public transport, at 2021 and 2031 in all forecast situations. Unsurprisingly, the remedial interventions to encourage localised adoption of 'smarter choices' in Development Cases (2) and (3), modelled as a 6% transfer from car-available to non-car-available trips, do not have a significant impact at a wider scale.

#### Overall Network Travel Distance

- 5.2.8. Total network travel distance, by mode, does not vary greatly between packages. At AM peak 2031, the total distance travelled by all modes is in the order of 4.9m person kilometres. The respective modal shares of total distance are about 86% highway, 12.5% rail and 1.5% bus.

#### Overall Network Travel Time

- 5.2.9. Likewise, total network travel time is also very similar between packages. At AM peak 2031, the total travel time by all modes is in the order of 70,000 person hours. The respective modal shares of total time are about 81.5% highway, 15% rail and 3.5% bus.

### **5.3. Highway Trip Patterns in Mid Sussex**

- 5.3.1. From the overall MSTS forecast model for West Sussex, we have extracted highway trip movements relating to Mid Sussex only.

#### Mid Sussex Highway Network Trip Movements

- 5.3.2. At AM peak 2031, the Mid Sussex highway trip patterns in the respective Baseline, Reference Case and Development Case (1) scenarios are as follows:

##### **Baseline**

- Mid Sussex Trips as % of West Sussex County Trips: 16.2%;
- Total Mid Sussex Trips: 33,838;
- % Trips within Mid Sussex: 35%;
- % Trips to and from Mid Sussex: 65%;

##### **Reference Case**

- Mid Sussex Trips as % of West Sussex County Trips: 15.5%;
- Total Mid Sussex Trips: 32,392;
- % Trips within Mid Sussex: 34%;
- % Trips to and from Mid Sussex: 66%;

### Development Case (1)

- Mid Sussex Trips as % of West Sussex County Trips: 17.1%;
- Total Mid Sussex Trips: 36,263;
- % Trips within Mid Sussex: 36%
- % Trips to and from Mid Sussex: 64%

5.3.3. It can be seen that the volume of Mid Sussex highway trips, as a proportion of total movements in West Sussex, is greatest in Development Case (1), slightly less in the Baseline (about 2,400 trips fewer) and least in the Reference Case (about 3,900 trips fewer).

5.3.4. Although Development Case (1) produces more vehicle trips for Mid Sussex than either the Baseline or the Reference Case, a larger proportion of these Mid Sussex trips (36%) remains internal to the district and does not have a broader, county-wide, impact.

## 5.4. Development Case Strategic Land Uses

5.4.1. We have analysed the trip patterns associated with planned strategic development sites in Burgess Hill, in the following respects:

- Percentage split of site trips, by highway and PT;
- Total highway vehicle kilometres, for site trips;
- Orientation of trips by geographical sector; and
- Contribution of site traffic volume to total network traffic volume.

5.4.2. However, it was not possible to evaluate the following item:

- Total vehicle trip length, for site trips, by road category.

5.4.3. This item has been omitted, because each trip assigned in the MSTS model travels on many different types of road. It is not feasible to undertake the lengthy and complicated analysis needed to consolidate the large amount of data involved.

5.4.4. In Appendix A2, there is a summary of trip volumes departing from and arriving at the strategic development sites in Burgess Hill, by travel mode, together with a breakdown of development trip distance by mode.

### Trip Contribution amongst Strategic Development Sites

5.4.5. The contribution from each of the strategic sites to total trips generated by strategic development is similar at 2021 and 2031, amounting to 62% at Northern Arc, 29% at A2300 Business Park and 9% at East of Kingsway.

5.4.6. In Development Case (1), at AM peak 2031, the two-way trip totals at each of the strategic development sites are predicted to be as follows:

- A2300 Business Park – 1,385 person trips;
- East of Kingsway – 417 person trips; and

- Northern Arc – 2,902 person trips.

5.4.7. The site trip totals reduce slightly at East of Kingsway and Northern Arc, in Development Case (2 and 3), but increase at A2300 Business Park, because of the outcome from the destination choice model. This allows trips to change destination, based upon changes in travel cost arising from mitigation schemes. Consequently, the model can add or remove trips to and from the strategic sites, relative to the initial site-specific trip patterns calculated for each development.

#### Modal Split of Strategic Development Trips

5.4.8. The predicted mode split of strategic development trips is similar between sites and mainly comprises highway movements. In Development Case (1), with no impact mitigation, the split is 96% highway and 4% public transport. With mitigation (2 and 3), the PT share increases to 10%, whilst the highway share falls to 90%. This modal shift of strategic development trips to PT reflects the assumption that smarter choices initiatives will be implemented in Burgess Hill and East Grinstead, encouraging a 6% shift away from private car use. Although it is probable that smarter choices might also be supported in Haywards Heath, this intervention has not been modelled, as it was not identified by WSCC as a primary or secondary intervention and because no strategic development has been allocated here in the model.

5.4.9. The modal shift to PT is also a consequence of the assumed improvements in PT accessibility, service level and interchange facilities in Burgess Hill, with Development Case (2 and 3). Owing to the coarse representation, in the strategic model, of the highway network and PT operations within Burgess Hill, it is possible that the model underestimates the impact of PT interventions. More detailed modelling within the town could show more complex patterns of highway congestion and, hence, greater attraction of development trips on to bus services, if bus frequency and route coverage are improved.

5.4.10. Trips that are attracted to PT, in Development Case (2 and 3), cause a significant 3% increase in the overall proportion of AM peak journeys made by PT, to 11.5%, across Mid Sussex as a whole. However, the absolute number of Mid Sussex PT journeys in the AM peak remains relatively small in Development Case (2 and 3), at 4,240 trips, representing an increase of 1,090 PT trips from the pre-intervention situation.

#### Travel Distance of Strategic Development Trips

5.4.11. In Appendix A3, there is a summary of highway network distance travelled by trips associated with the strategic development sites in Burgess Hill. The contribution from each of the strategic sites to total highway travel distance is similar at 2021 and 2031, amounting to 60% at Northern Arc, 31% at A2300 Business Park and 9% at East of Kingsway. These proportions mirror the split of development trips contributed by each of the sites.

#### Orientation of Strategic Development Trips

- 5.4.12. An analysis of the orientation of highway vehicle trips from and to each of the strategic development sites is shown in Appendix D, for Development Case (1) at AM peak 2031. A similar outcome would be expected to arise with Development Case (2 and 3). The patterns of departures (origins) and arrivals (destinations), at the respective sites, are as follows:
- A2300 Business Park: 14% departures (157 trips) and 86% arrivals (978 trips);
  - East of Kingsway: 85% departures (252 trips) and 15% arrivals (45 trips); and
  - Northern Arc: 85% departures (1,763 trips) and 15% arrivals (316 trips).
- 5.4.13. These patterns are consistent with the respective land uses, whereby, for the residential uses at Northern Arc and East of Kingsway, the major AM movement is away from the developments. Conversely, for the employment uses at A2300 Business Park the dominant AM peak movement is towards the site.
- 5.4.14. The proportion of AM peak departures from the Business Park seems quite high for an employment site, at 14%. However, this is consistent with the envisaged mix of land uses, which comprises:
- 30% light industry (business park);
  - 25% office;
  - 17% research and development;
  - 15% warehousing; and
  - 13% general industry.
- 5.4.15. From this employment mix, there will be numerous vehicles, leaving the site in the AM peak, that are associated with incoming and outgoing deliveries and work's business.
- 5.4.16. Zones in the MSTS model have been aggregated into a smaller number of sectors, to enable analysis of trip orientation. The built-up area zones of Burgess Hill, (including prospective development), have been aggregated into four sectors, representing Burgess Hill, Northern Arc, East of Kingsway and A2300 Business Park, respectively. Taken together, these four sectors have been termed 'Burgess Hill – urban'. The proportion of total site trips, at each development, accounted for by movements inside and outside 'Burgess Hill – urban', respectively, is shown below.
- From A2300 Business Park: 34% internal; 66% external;
  - To A2300 Business Park: 24% internal; 76% external;
  - From East of Kingsway: 19% internal; 81% external;
  - To East of Kingsway: 34% internal; 66% external;
  - From Northern Arc: 19% internal; 81% external; and
  - To Northern Arc: 35% internal; 65% external.

- 5.4.17. It can be seen that for the dominant AM directions of movement, (i.e. departures from Northern Arc and East of Kingsway and arrivals at the Business Park), local trips within Burgess Hill – urban account for around 20 – 25% of flows. In the non-peak travel direction, (i.e. arrivals at Northern Arc and East of Kingsway and departures from the Business Park), local trips constitute about 34 – 35% of flows. Conversely, movements outside Burgess Hill – urban account for about 75 – 80% of trips in the peak direction and 65 – 66% of trips in the non-peak direction.
- 5.4.18. There is likely to be an aspiration to maximise the proportion of internal Burgess Hill trips at the A2300 Business Park. This should be achievable, if appropriate initiatives are pursued in terms of household, workplace and personal travel planning and maximising local accessibility between land uses, for example by pedestrian and cyclist routes and reliable PT facilities.
- 5.4.19. Table 21 gives a breakdown of the main directional movements made by external trips from and to the strategic development sites in Burgess Hill.

Table 21: Directional Movement of External Trips at Burgess Hill Strategic Development Sites					
Movement Direction		% of External Trip Destinations from Each Site	No. of External Trip Destinations from Each Site	% of External Trip Origins to Each Site	No. of External Trip Origins to Each Site
<b>A2300 Business Park</b>					
North & North West (Incl. Crawley, Haywards Heath & East Grinstead)		26.4%	41	35.2%	344
West, South West & South		31.9%	50	32.4%	317
Comprising	West & South West	22.9%	36	24.3%	238
	South (Brighton & Hove)	9.0%	14	8.1%	79
North East, East and South East		8.0%	13	8.4%	82
Residual, retained within Burgess Hill		33.7%	53	24.0%	235
<b>East of Kingsway</b>					
North & North West (Incl. Crawley, Haywards Heath & East Grinstead)		30.3%	76	28.8%	13

Table 21: Directional Movement of External Trips at Burgess Hill Strategic Development Sites					
Movement Direction		% of External Trip Destinations from Each Site	No. of External Trip Destinations from Each Site	% of External Trip Origins to Each Site	No. of External Trip Origins to Each Site
Heath & East Grinstead)					
West, South West & South		37.8%	95	26.7%	12
Comprising	West & South West	26.1%	65	18.3%	8
	South (Brighton & Hove)	11.7%	30	8.4%	4
North East, East and South East		13.3%	34	10.7%	5
Residual, retained within Burgess Hill		18.5%	47	33.7%	15
<b>Northern Arc</b>					
North & North West (Incl. Crawley, Haywards Heath & East Grinstead)		33.5%	590	30.8%	97
West, South West & South		36.9%	651	26.0%	82
Comprising	West & South West	26.7%	472	19.2%	60
	South (Brighton & Hove)	10.2%	179	6.8%	22
North East, East and South East		10.4%	184	8.1%	25
Residual, retained within Burgess Hill		19.2%	338	35.1%	111

5.4.20. For the dominant AM directions of movement, it can be seen that 30 – 35% of residential trip departures and employment arrivals travel between Burgess Hill and areas to the North and North West. A further 32 – 38% travel between Burgess Hill and areas to the West, South West and West. The remaining 8 – 13% travel between Burgess Hill and areas to the North East, East and South East.

- 5.4.21. The above patterns reveal a fairly even split of strategic development trips between areas north and south of Burgess Hill, but a significant dominance of movements to westwards rather than eastwards of the town.
- 5.4.22. Strategic trips to and from Brighton (south) account for about 10 – 12% of residential departures and 8% of employment arrivals at the Burgess Hill sites.
- 5.4.23. A diagrammatic display of the orientation of trip movements to and from the strategic development sites in Burgess Hill, is provided in Appendix D, separately by site and by arrival / departure. The bandwidths reflect the volume of trips making each movement at a sector level.
- 5.4.24. A comparison has been made between the predicted orientation of strategic development trips in Burgess Hill and journey to work patterns from the 2001 census. Results are shown in Table 22. They indicate that the journey to work pattern from Burgess Hill is broadly comparable between the two strategic residential sites (Northern Arc and East of Kingsway) and the 2001 Census. They also indicate that the journeys to work pattern to Burgess Hill is similar between the strategic employment sites (A2300 Business Park) and the Census.

Table 22: 2001 Census Journey To Work: Trip distribution from and to Burgess Hill					
Movement Direction		% of External Trip Destinations from Burgess Hill	No. Census JTW trips starting from Burgess Hill	% of External Trip Origins to Burgess Hill	No. Census JTW trips ending in Burgess Hill
North & North West (Incl. Crawley, Haywards Heath & East Grinstead)		46%	4,007	23%	1,940
West, South West & South		17%	1,525	34%	2,931
Comprising	West & South West	5%	412	10%	859
	South (Brighton & Hove)	12%	1,113	24%	2,072
North East, East and South East		8%	693	13%	1,164
Residual, retained within Burgess Hill		29%	2,529	30%	2,529
All Movements at Burgess Hill		100%	8,754	100%	8,564

- 5.4.25. We have compared the MSTS and Census results in approximate (rounded) proportions. For home-based trips leaving Burgess Hill, the MSTS model shows an even 35% split of journeys going to each of the north / northwest and the west / southwest / south areas, whereas the Census shows 45% and 20% for these movements, respectively. Internal trips account for about 20% of movements in the MSTS and 30% in the Census. The remaining 10% of trips in the MSTS and 5% in the Census, travel to areas to the east of Burgess Hill.
- 5.4.26. For non-home-based trips arriving in Burgess Hill, the MSTS model shows 35% of journeys coming from the north / northwest and 30% coming from the west / southwest / south, whereas the Census shows 25% and 35% for these movements, respectively. Internal trips account for about 25% of movements in the MSTS and 30% in the Census. The remaining 10% of trips in the MSTS and 10% in the Census, travel from areas to the east of Burgess Hill.
- 5.4.27. The proportion of AM peak Burgess Hill strategic home-based trips travelling to Brighton (i.e. south) is similar in the MSTS model (about 11%) to the Census (about 12%). However, the proportion of AM peak Burgess Hill strategic non-home-based trips travelling from Brighton is lower in the MSTS model (about 8%) than in the Census (about 24%).
- 5.4.28. Differences between the MSTS and Census journey to work trip distributions are likely to reflect the following:
- The old age of the Census data, which overlooks changes in land use patterns;
  - The strategic nature of the MSTS model, which causes a slight underestimate of internal trip movements within Burgess Hill and other urban areas; and
  - The inclusion of all journey purposes within MSTS trip patterns and not just journeys to work, as in the Census.

#### Strategic Development Contribution to Highway Network Traffic

- 5.4.29. Further analysis has been undertaken of the proportions of highway vehicle movements, on key road links, which are attributable to the strategic development sites. Findings are shown in Appendix A6-A13. Road links have been selected for analysis according to the core highway network shown in Appendix A22. The links indicated on the drawing have been allocated a reference, which is annotated against the model outputs in Appendix A, so that locations can be identified.



5.4.30. The contributory flow proportions are summarised for each development, separately (in Appendices A10-A12) and also for all strategic sites combined (in Appendix A13). The table has been colour-coded to indicate links on which the overall ratio of flow to capacity (RFC) is at a critical level (according to the total link flow analysis, which is referred to later and shown in Appendix A14). Hence, the results can be used to identify links on which strategic development traffic contributes a significant proportion of flow and where overall flow is close to capacity.

5.4.31. Considering the flows arising from all strategic developments combined (Appendix A9 and A13), at AM peak 2031, some notable impacts can be identified. These do not constitute impacts that necessarily require mitigation by developers. These impacts are as follows:

- Maximum strategic development contribution to individual link flow is 85% on the Northern Arc Spine Road in Development case (3);
- Maximum strategic contribution to flow on existing links is 58% on the B2036 between A273 and A272 in Development case (2);
- Key road links on which the developments contribute a significant proportion of total traffic flow, (judged, for analysis purposes, to be greater than 20%), across all development case assignments, include:
  - A2300 (eastbound and westbound); maximum 48% contribution;
  - A272 (westbound from B2036 to A23 and westbound from A23 to A281); maximum 44% contribution;
  - A273 (northbound from B2036 to A272, southbound from B2036 to B2116, southbound from B2116 to B2112, southbound from B2112 to A23 and westbound from B2036 to A2300); maximum 39% contribution;
  - B2116 (westbound from B2112 to A273); maximum 29% contribution;
  - B2028 (northbound from Haywards Heath to B2110); maximum 23% contribution;
  - B2115 (eastbound from B2110 to A23); maximum 23% contribution;
  - B2036 (southbound through central Burgess Hill); maximum 25% contribution;
  - Leylands Road (eastbound in Burgess Hill, from Mill Road to Junction Road); maximum 29% contribution;
  - Janes Lane (eastbound in Burgess Hill, from Junction Road to B2112); maximum 34% contribution;
  - Junction Road (northbound in Burgess Hill, from Cants Lane to Janes Lane); maximum 27% contribution;
  - B2028 (northbound in Haywards Heath, from Sydney Road to B2111); maximum 24% contribution;
  - Paddockhall Road (northbound from A272); maximum 23% contribution;

- Summerhill Road (northbound from B2028); maximum 24% contribution;
  - There is no significant strategic development impact in East Grinstead, where the maximum contribution is 5%;
  - Flow contribution on the A23 will be modest; the highest proportions of development traffic, in all development cases, will be 13% on A23 southbound, between A272 Bolney and A2300 Hickstead and 10% on A23 southbound, between A273 Pyecombe and A27 Patcham.
- 5.4.32. There are a few critical road links that will experience RFC in excess of 100%, at 2031 AM peak, according to link capacity thresholds defined by DfT, and where the strategic developments will make a significant flow contribution.
- 5.4.33. It will be a matter for the Highway Authority (WSCC) to determine if the proportion of network flow, contributed by particular developments, on links where there is likely to be congestion, requires mitigation by a particular party (e.g. a site developer). The DfT 'Guidance on Transport Assessment' (March 2007) advises that previous thresholds of significant development impact (i.e. 10% flow increase on local roads, or 5% increase on trunk roads) are no longer applicable.
- 5.4.34. Congested road links in the MSTS area, on which there is likely to be a significant flow contribution from development traffic, are as follows:
- A2300 eastbound; RFC >100% in Development Case 2 (with Northern Arc Spine Road and no A2300 dual carriageway); 47% flow contribution;
  - A2300 westbound; RFC >100% in Development Case 1 (with no Northern Arc Spine Road and no A2300 dual carriageway); 35% flow contribution;
  - Problems on the A2300 can be resolved by widening the A2300 to dual 2-lane carriageway in Development Case (3), but will also require provision of a more satisfactory junction layout at the intersection of A2300 / Northern Arc spine / A2300 Business Park access;
  - A272 eastbound from A273 to B2028, Haywards Heath; RFC >100% in all Development Cases; maximum 15% flow contribution;
  - No mitigation scheme has, at this stage, been devised to remedy the congestion;
  - B2113 westbound, between Keymer Road and Civic Way; RFC >99% (but without severe congestion) in Development Case (1 and 2); maximum 5% flow contribution;
  - Potential problems on the B2113 could be resolved by introducing the A273 Jane Murray Way extension between London Road and Keymer Road in Development Case (3); however, this intervention will be very onerous to deliver and may well be unnecessary if more traffic can be encouraged to use the Northern Arc spine route around the north side of the town, once satisfactory access arrangements on A2300 are devised.

- 5.4.35. It is reasonable to assume that, for many links where RFC exceeds 100% and there is a significant development contribution to the traffic flow, there will also be junction congestion problems on those links. At some of these junctions, possible mitigation schemes have already been identified and tested as being satisfactory in the MSTS model, for example at A23 / A2300 Hickstead junction, in Development case (2 and 3).
- 5.4.36. However, some further analysis needs to be undertaken to verify where development makes a significant contribution to junction congestion and to test if intervention will resolve the problem.

## 5.5. Highway Analysis of Key Links and Junctions

- 5.5.1. Analysis of MSTS model outputs has been carried out, to show conditions of traffic flow and network performance at AM peak 2021 and 2031 and the changes in conditions that will occur between the various assignment scenarios. This analysis does not focus upon the impact of particular strategic development proposals, but indicates the overall outcome with different levels of strategic and neighbourhood plan development and with different interventions.
- 5.5.2. We have identified a number of links and junctions on the highway network, for which it is appropriate to analyse the assignment outputs from the MSTS model. A plan of the selected road links is shown in Appendix A22 and a plan of selected junctions is provided in Appendix A21. Key links and junctions have each been given a location reference, which is also annotated against the tabulated model outputs.
- 5.5.3. Highway links have been categorised according to their strategic importance, as follows:
- Motorway;
  - Strategic 'A' Class Trunk Route;
  - Primary 'A' Class Road;
  - Secondary 'A' Class Road;
  - 'B' Class Road; and
  - Town Centre Link.
- 5.5.4. The following items of model output have been extracted and analysed for key links and junctions:
- Link Traffic flows (and change from Reference Case);
  - Junction Turning Flows;
  - Average delay per vehicle on busiest junction approach;
  - Ratio of link flow to capacity; and
  - Ratio of junction turning flow to capacity (for busiest junction arm).

### Highway Network Link Flows

- 5.5.5. In Appendix A4 there is a summary of assigned highway link flows from each of the various MSTS model run packages (Base Year, forecast Baseline, forecast Reference Case and forecast Development Cases 1 – 4). The forecast flows are given in vehicles per hour for the AM peak at 2021 and 2031. These are 'actual' flows, which represent only vehicles that arrive at a particular point on the network during the modelled hour and not vehicles that are held back in queues elsewhere. They are not 'demand' flows, which represent the total traffic travelling between each origin and destination zone, regardless of network queues.
- 5.5.6. Each of the forecast Baseline and Development Case link flows in Appendix A4 has been compared with the Reference Case at the equivalent year (2021 or 2031), to give a percentage change in traffic volume. The Reference Cases at 2021 and 2031 have each been compared with the Base Year 2010 flows. The results are shown in Appendix A5. We have colour-coded each flow change, relative to the reference case, as follows:
- Green – flow change between -0.9% and +0.9%;
  - Blue – flow change between -1% and -4.9%, or between +1% and +4.9%;
  - Amber – flow change between -5% and -9.9%, or between +5% and +9.9%;
  - Red – flow change less than -10%, or greater than +10%.
- 5.5.7. Changes in flow in the Reference Case, relative to base year 2010, are very similar at 2021 and 2031. This is because traffic associated with 100% of committed residential and employment sites has been included in both Reference Case years. In addition, background traffic growth in Mid Sussex arising from NTEM plan forecasts has been largely removed from each Reference Case, as agreed.
- 5.5.8. The majority of selected links have flow increases in the Reference Case of more than 10%, from base year, at both 2021 and 2031.
- 5.5.9. Patterns of link flow change in the MSTS assignment packages are extremely complex and difficult to explain in simple terms, because they reflect a number of related factors, for example:
- Development site trip patterns in Burgess Hill;
  - Notional layout and capacity of highway improvements;
  - County-wide re-assignment of traffic between a multitude of zone origins and destinations;
  - Impact of PT enhancement and car parking regulations in Burgess Hill; and
  - Changes in trip patterns calculated by the MSTS mode choice and destination choice model.
- 5.5.10. Noteworthy flow changes, on key roads where there is significant change, (i.e. 10% or more), between the Reference Case and Development Case (2), at AM peak 2031, (as shown in Appendix A5), are summarised below:

- A23 southbound, A272-A2300: +13%, in DC2, 3;
- A23 southbound, A273-A27: +10%, in DC2, 3;
- These increases are solely a reflection of the quantity of development traffic travelling southbound towards the Business Park and away from the residential sites in Burgess Hill, respectively;
- A22 southbound, from A275: +12%, in DC2;
- This increase reflects congestion passing around Burgess Hill, eastbound;
- A2300 eastbound, A23-A273: +70% in DC2, 3;
- A2300 westbound, A273-A23: -24%, in DC2, 3;
- This decrease is caused by congestion and delay at the assumed access roundabout on the A2300, connecting with the Northern Arc spine road and the Business Park; more effective access arrangements, here, could result in significant flow increase on A2300 westbound;
- A272 eastbound, A23-B2036: +34%, in DC2 and 3;
- A272 westbound, B2036-A23: +52%, in DC2 and 3;
- These reflect the discouragement of traffic from using the Northern Arc spine road and A2300, westbound, when insufficient capacity is provided by the single development access roundabout on A2300;
- A2037 northbound and southbound, A281-A283: +10%/+15%, in DC2, 3;
- A281 southbound, Horsham-A272: +20%, in DC2, 3;
- A281 northbound, A23-A2037: +15%/+20%, in DC2 and 3;
- A273 southbound, Burgess Hill-A23: +30%, in DC2, 3;
- A273 Sussex Way eastbound and westbound, A2300-B2036: -70%/-60%, in DC2, 3;
- This is a result of downgrading Sussex Way;
- A273 Isaacs Lane northbound, B2036-A272: +30%, in DC2;
- A273 Isaacs Lane southbound, A272-B2036: -15%, in DC2;
- This reduction is caused by congestion and delay at the A2300 junction with Northern Arc and Business Park sites;
- A273 Jane Murray Way southbound and northbound: -15%/-30%, in DC2;
- B2036 London Road, northbound and southbound: -10% or more, except at northern end, in DC2;

- These unexpected flow reductions on A273 and B2036 around Burgess Hill reflect the deterrent to through traffic caused by the downgrade of Sussex Way, the restraint of traffic on A273 and B2036, to the north, improvements in capacity on A23, and the need for additional junction capacity at A2300 / Northern Arc / Business Park junction, in all development cases (1, 2 and 3); it is also caused by mode shift from car to PT for trips in Burgess Hill, where PT facilities are improved and by increases in car parking charges in the town;
- B2113 Station Road eastbound and westbound: +15%/+10%, in DC2;
- This increase is mitigated in DC3, by the extension of A273 Jane Murray Way linking London Road and Keymer Road;
- Leylands Road and Janes Lane eastbound: +40%/+50%, in DC2;
- B2036 northbound, A273-A272: +80% in DC2, 3;
- B2036 northbound from and southbound to Cuckfield: +7%, in DC2;
- A275 northbound, A272-A22: +10%, in DC2, 3;
- A275 southbound, A272-B2116: +17%, in DC2;
- Haywards Heath Relief Road, Eastern section, eastbound and westbound: -35%/-45%;
- Haywards Heath Relief Road, Western section, eastbound and westbound: -5%/-40%;
- These flow reductions are probably caused by congestion arising from inadequate provisional junction design capacity along the relief road;
- B2116 westbound, A273-B2117: +75%, in DC2, 3;
- B2116 westbound, B2117-A281: +30%, in DC2;
- B2112 northbound and southbound, B2113-B2116: +10%, in DC2;
- B2117 southbound, B2116-A23 and A281: +20% in DC2, 3; and
- B2028 northbound from Haywards Heath: +25%, in DC2, 3.

#### Highway Network Junction Turning Flows

5.5.11. Turning movements at key road junctions have been extracted from the MSTS model assignments. The junctions for which flows have been analysed and the appendices containing the corresponding flow diagrams, are as follows:

- A272 / B2036 Ansty (Appendix B1);
- A273 Sussex Way / B2036 London Road (Appendix B2);

- B2113 Folders Lane / B2112 Ditchling Common (Appendix B3);
- B2112 / B2116 Ditchling (Appendix B4);
- A273 Jane Murray Way / B2036 London Road (Appendix B5);
- A23 / A2300 Hickstead Interchange (Appendix B6); and
- A23 / A272 Bolney Interchange (Appendix B7).

5.5.12. Turning flows at these junctions are specified in PCU per hour, for the AM peak at 2021 and 2031 respectively, for each of the six forecast assignment packages and for base year 2010.

#### Average Junction Delays

5.5.13. At the selected road junctions identified in the diagram in Appendix A21, we have extracted the average delay per vehicle on the busiest approach, from the MSTS model. Again, the delays are specified for each forecast assignment package, in Appendix A18.

5.5.14. Comparison has been made between the delays in respective packages with those in the corresponding Reference Case, to give a percentage change in delay. Reference case delays at 2021 and 2031 have been compared with the Base Year delays.

5.5.15. The results are shown in seconds of delay in Appendix A19. We have colour-coded each delay change, relative to the reference case, as follows:

- Green – delay change between -0.9 minutes and +0.9 minutes;
- Blue – delay change between -1 minute and -1.9 minutes, or between +1minute and +1.9 minutes;
- Amber – delay change between -2 minutes and -4.9 minutes, or between +2 minutes and +4.9 minutes;
- Red – delay change less than -5 minutes, or greater than +5 minutes.

5.5.16. It is clear from the findings in Appendix A19 that changes in average highway junction delay, in the assignment packages, are not predicted by the model to be greater than 1 minute from the Reference Case, in almost all key locations, at 2031 AM peak.

5.5.17. Locations where significant delay changes (of more than 1 minute) are predicted to occur are as follows:

- A23 / B2118 interchange Sayers Common: +1.8 minutes, in DC2, 3;
- A272 / B2036 Ansty: +2.2 minutes, in DC2;
- A272 / A273 Bolnore: +1.5 minutes in DC2, 3;
- A2300 / Northern Arc / Business Park access roundabout: +4.5 minutes, in DC2, 3;

- This delay can probably be resolved by signalling the junction layout; however, the roundabout configuration causes severe problems, because the heavy traffic flow that uses the eastbound right turn from A2300 to the Business Park, blocks all traffic leaving Northern Arc on the westbound approach from the spine road and traffic approaching westbound from A273 Jane Murray Way; an alternative intervention might be an extension of the Northern Arc spine to the south and east from A2300 to A273 Jane Murray Way, with a revised access for the Business Park, but this could still suffer delays from traffic entering the Business Park from A2300 eastbound;
- B2112 / Rocky Lane / Haywards Heath Relief Road: +2.7 minutes, DC2, 3;
- Again, this delay problem can probably be resolved by refining the design of the relief road roundabout.

5.5.18. Although the MSTS model gives a reasonable representation of junction delays, a more reliable indicator of congestion problems is the RFC on the busiest junction arm.

#### Highway Link Ratio of Flow to Capacity

5.5.19. For selected network links, we have compared the modelled flows in Appendix A4 with the road capacity, as calculated using the following guidelines from Design Manual for Roads and Bridges (DMRB):

- Rural road links – DMRB Volume 12, Section 2, Part 1: ‘Traffic Appraisal in Urban Areas’, Appendix E – Speed/Flow Relationships (these are consistent with COBA); and
- Urban road links – DMRB Volume 5, Section 1, Part 3: TA 79/99 ‘Traffic Capacity of Urban Roads.

5.5.20. The resulting ratios of flow to capacity (RFC) for selected links are summarised in Appendix A14. The RFC values have been colour-coded according to the following criteria:

- Green – RFC below 75%;
- Light Amber – RFC between 75% and 84.9%;
- Amber – RFC between 85% and 99.9%; and
- Red – RFC above 100%.

5.5.21. It is considered that RFC between 85% and 100% gives cause for concern, as the link could become oversaturated with traffic during short peaks in demand, resulting in limited congestion and delays. However, RFC greater than 100% indicates a significant problem, because it will definitely entail congestion.



5.5.22. In Appendix A15, we have filtered out just those road links where RFC is predicted to exceed 75% in at least one assignment package. From the results, we have identified links where excessive stress will arise in the Development Cases (1, 2, or 3), but will not arise in the Reference Case, in order to determine a need for mitigation. The results indicate the following outcomes at 2031 AM peak:

- A23 northbound flows will be within link capacity but with RFC of around 90%, between A273 Pyecombe and A272 Bolney, in all situations including the Reference Case;
- A264 RFC each way will exceed 100% between A2220 Copthorne and B2028, in all situations including the Reference Case;
- No mitigation scheme has, at this stage, been devised to remedy the congestion;
- A22 southbound flows will be within capacity, but with RFC of around 90%, north of A264 Felbridge, in all situations including the Reference Case;
- A2300 RFC will exceed 100% eastbound In DC1 and 2, but not in the Reference Case or Baseline;
- This is a consequence of strategic development in Burgess Hill, but can be mitigated by widening A2300 to dual carriageway in DC3;
- A2300 RFC will exceed 100% westbound In DC1, but not in DC2, the Reference Case or Baseline;
- Again this is a consequence of strategic development in Burgess Hill, which can be mitigated by widening A2300 to dual carriageway in DC3; the problem is also likely to be present in DC2, but is masked by congestion at A2300 / Northern Arc / Business Park roundabout, which requires an improved junction layout;
- A272 RFC will exceed 100% eastbound, between A273 Bolnore and B2028 Haywards Heath, in all situations including the Reference Case;
- A273 RFC will exceed 100% northbound, between A23 Pyecombe and B2112 Clayton, in DC1 and will reach between 90% and 100% in all other situations including the Reference Case;
- Intervention schemes in DC2 will mitigate this problem, by reducing the traffic demand on A273 south of Burgess Hill;
- A277 RFC will exceed 100% southbound, between A275 and A27 Lewes, in all situations including the Reference Case;
- B2110 RFC will exceed 85% southbound, between B2115 and A281 Lower Beeding, in all situations except the Reference Case and Baseline;
- B2115 RFC will exceed 80% westbound, between B2036 Cuckfield and B2114, in all situations including the Reference Case and Baseline;

- B2113 RFC will exceed 100% westbound, between Junction Road and London Road in Burgess Hill, in all situations, except DC3, including the Reference Case and Baseline;
- Intervention schemes in DC3 will mitigate this problem, by extending A273 Jane Murray Way between Keymer Road and London Road, thereby providing an alternative route to B2113 Station Road; the problem could also be resolved by devising an effective layout for the Northern Arc spine road intersection with A2300 and the Business Park.

#### Highway Junction Ratio of Flow to Capacity

- 5.5.23. We have also compared assigned traffic flows with capacities (saturation flows) at key junction locations, to identify points of network stress, congestion and delay. At each junction the RFC value has been extracted for the movement under greatest stress (i.e. heaviest flow in relation to capacity).
- 5.5.24. The outcomes in terms of Ratios of flow to capacity (RFC) for selected junctions are summarised in Appendix A16. The RFC values have been colour-coded according to the same criteria as for links, namely:
- Green – RFC below 75%;
  - Light Amber – RFC between 75% and 84.9%;
  - Amber – RFC between 85% and 99.9%; and
  - Red – RFC above 100%.
- 5.5.25. In Appendix A17, we have filtered out road junctions where RFC is predicted to exceed 75% in at least one assignment package. From the results at 2031 AM peak, we have identified junctions where excessive stress will arise in the Development Cases (1, 2, or 3), but will not arise in the Reference Case, in order to determine a need for mitigation. The findings can be summarised as follows:
- M23 Junction 11 / A23 interchange Pease Pottage; RFC above 100% in all situations including the Reference Case;
  - A23 / B2110 interchange Handcross; RFC between 80% and 90% in all situations including the Reference Case;
  - A23 / A272 interchange Bolney; RFC above 90% in all situations including the Reference Case;
  - A23 / B2118 interchange Sayers Common; RFC above 100% in all situations including the Reference Case;
  - A23 / A281 interchange Pyecombe; RFC above 95% in all situations including the Reference Case;
  - A27 / A283 interchange Old Shoreham; RFC around 95% in all situations including the Reference Case;

- A264 junctions at A2220 Copthorne, B2028 and A22; RFC above 100% in all situations including the Reference Case, except at B2028 where RFC only exceeds 100% in DC1, 2 and 3;
- Some capacity enhancement may be required at B2028, where the problem is development-related;
- A272 / A281 junction, Cowfold; RFC above 100% in all situations including the Reference Case;
- A272 / B2036 junction, Ansty; RFC above 100% in all situations except the Reference Case, Baseline and DC3;
- Some capacity enhancement may be required here;
- A272 / A273 junction, Bolnore; RFC above 100% in all situations except the Reference Case and Baseline;
- Some capacity enhancement may be required here;
- A272 / B2028 junction, Haywards Heath; RFC above 100% in all situations except the Reference Case and Baseline;
- Some capacity enhancement may be required here;
- A272 / B2111 junction, Haywards Heath; RFC above 100% in all situations including the Reference Case and Baseline;
- Some capacity enhancement may be required here;
- A281 / B2115 Junction, Lower Beeding; RFC above 90% in all situations including the Reference Case;
- A273 / B2112 Junction, Clayton; RFC above 90% in all situations including the Reference Case;
- A273 / B2116 (Stonepound) Junction, Hassocks; RFC above 100% in all situations including the Reference Case;
- A273 / B2036 Junction, Fairplace Bridge; RFC above 100% in DC1 only;
- Mitigation in DC2 to reduce traffic demand on A273 and B2036 will be effective in resolving this congestion;
- A275 / B2116 Junction; RFC above 100% in all situations including the Reference Case;
- A2300 / Northern Arc / Business Park junction, Burgess Hill; RFC above 100% in all situations except the Reference Case and Baseline;
- Capacity enhancements are needed in the preliminary roundabout design, to resolve the congestion problem;

- B2036 / Northern Arc junction, Burgess Hill; RFC above 95% in all situations except the Reference Case and Baseline;
  - B2112 / Haywards Heath Relief Road Junction; RFC above 100% in all situations including the Reference Case;
  - Some modifications are needed to the outline design of this roundabout;
  - B2028 / B2037 Junction; RFC about 100% in all situations including the Reference Case;
  - B2110 / B2115 Junction, Lower Beeding; RFC above 90% in all situations including the Reference Case;
  - B2110 / B2036 Junction; RFC above 80% in all situations including the Reference Case;
  - B2110 / B2028 Junction, Turners Hill; RFC above 100% in all situations including the Reference Case;
  - B2114 / B2115 junction, Slough Green; RFC above 100% in all situations except the Reference Case and Baseline;
  - Capacity enhancements may be needed, to resolve the congestion problem;
  - B2113 Folders Lane / Keymer Road junction, Burgess Hill; RFC above 100% in Development cases 2 and 3, but not DC1, the Reference Case, or Baseline;
  - Capacity enhancements may be needed, to resolve the congestion problem;
  - A272 / Paddockhall Road junction, Haywards Heath; RFC above 100% in all situations except the Reference Case and Baseline;
  - Some capacity enhancement may be required here.
- 5.5.26. The predicted pattern of junction RFC, for the Reference Case and Development Case 2 forecast scenarios, at AM peak 2031, are illustrated in Appendices A23 and A24, respectively.
- 5.5.27. In our assessment of junctions that will experience a high RFC in both the Development Cases and the Reference Case, we have identified the percentage change in RFC, from the Reference Case, which is contributed by strategic and Neighbourhood Plan development. The results are as follows:
- M23 Junction 11 / A23 interchange Pease Pottage; RFC 0% change;
  - A23 / B2110 interchange Handcross; RFC +6% increase;
  - A23 / A272 interchange Bolney; RFC +6% increase;
  - A23 / B2118 interchange Sayers Common; RFC +6% increase;
  - A23 / A281 interchange Pyecombe; RFC +3% increase;
  - A27 / A283 interchange Old Shoreham; RFC -1% decrease;

- A264 junctions at A2220 Copthorne and B2037; RFC +1% increase;
- A272 / A281 junction, Cowfold; RFC +3% increase;
- A281 / B2115 Junction, Lower Beeding; RFC +2% increase;
- A273 / B2112 Junction, Clayton; RFC +8% increase;
- A273 / B2116 (Stonepound) Junction, Hassocks; RFC +1% increase;
- A275 / B2116 Junction; RFC 0% change;
- B2112 / Haywards Heath Relief Road Junction; RFC +8% increase;
- B2028 / B2037 Junction; RFC -2% decrease;
- B2110 / B2115 Junction, Lower Beeding; RFC +7% increase;
- B2110 / B2036 Junction; RFC +5% increase; and
- B2110 / B2028 Junction, Turners Hill; RFC 0% change.

5.5.28. It is anticipated that planned development will cause a greater than 5% increase in RFC, from the Reference Case, at the following congested junctions: A23/B2110 Handcross; A23/A272 Bolney; A23/B2118 Sayers Common; B2112 Haywards Heath Relief Road; B2110/B2115 Lower Beeding; and B2110/B2036.

5.5.29. Performance of the road network around Ditchling is not predicted to give cause for concern. The transport model suggests that link and junction RFC will not reach critical levels, with strategic development in place, on the B2116, B2112, or Ditchling Beacon Road. At AM peak 2031, the maximum RFC values are expected to be as follows:

- B2112 north of ditchling – 50% RFC;
- B2112 south of Ditchling – 60% RFC;
- B2112 south of Ditchling – 60% RFC;
- B2116 west of Ditchling – 50% RFC;
- B2116 east of Dictchling – 55% RFC;
- B2112 / B2116 junction, Ditchling – 60% RFC; and
- Ditchling Beacon Road (B2116 – A27) – 66% RFC.

## 5.6. Analysis of Traffic Flows Through Ashdown Forest

5.6.1. The study brief required an assessment of whether or not future land use and travel patterns resulting from the policy proposals within the Mid Sussex District Plan would impact upon the local air quality of the environmentally sensitive area of Ashdown Forest Special Area of Conservation (SAC), lying to the south east of East Grinstead.

5.6.2. In the MSTS model we have included key roads that access or cross Ashdown Forest, namely:

- A275 (Lewes – East Grinstead);
- A22 (Uckfield – East Grinstead);
- A26 (Uckfield – Crowborough);
- B2110 (East Grinstead – Royal Tunbridge Wells);
- B2188 (Maresfield – Groombridge);
- B2026 (B2188 – B2110); and
- Coleman’s Hatch road (East – West through Ashdown Forest).

- 5.6.3. Owing to the strategic nature of the MSTS model and the location of Ashdown Forest on the north east periphery of the network, we cannot derive meaningful flow assignments for B2188, B2026 or Coleman’s Hatch Road. However, an assessment has been made of future traffic impacts on A275, A22, A26 and B2110, which pass by, or through, Ashdown Forest. The assessment represents a ‘worst case’ for these routes, which are modelled as carrying additional traffic that might otherwise travel on B2118, B2026 and Coleman’s Hatch Road, within the SAC.
- 5.6.4. A threshold for determining significant traffic impact has been set in the Habitats Regulations Assessment, using the Department for Transport’s Design Manual for Roads and Bridges (DMRB). The DMRB provides a scoping assessment for local air quality, specifically for sites expected to conform to the Habitats Directive. DMRB initially requires the identification of roads that are likely to be affected by District Plan proposals. The criteria for defining an affected road specify that a flow increase of 1,000 vehicles or more of annual average daily traffic (AADT) flow, 2-way, will constitute a significant impact.
- 5.6.5. We have applied representative local flow factors to convert the forecast AM peak hour model outputs, at 2021 and 2031, to AADT equivalent. The resulting AADT flows on the Ashdown Forest routes, for the various assignment packages, have been compared with the reference Case for the respective years. Results from the analysis are provided in Appendix C1.
- 5.6.6. It can be seen that the maximum 2-way AADT flow change from the Reference Case at 2021, around Ashdown Forest, would be 179 vehicles in DC1 (with no development mitigation) and 100 vehicles in DC2, on A275.
- 5.6.7. Similarly, the maximum 2-way AADT flow change from the Reference Case at 2031 would be 417 vehicles in DC1 (with no development mitigation) and 358 vehicles in DC2, on A275.
- 5.6.8. Flow changes on A22, A26 and B2110 and in the other assignment packages, would be less than on A275 for DC1 and DC2 at 2021 and 2031. It can be concluded that future land use and travel patterns in Mid Sussex would not cause traffic flows on the key routes to impact significantly upon Ashdown Forest.

## 5.7. Strengths and Weaknesses of the MSTS

- 5.7.1. We have considered the robustness and reliability of the findings from the Mid Sussex Transport Study. There is much strength and some weakness in the modelling approach, as discussed below.
- 5.7.2. The strategic transport model, as refined for the MSTS, is a strong tool for predicting the area-wide impacts of land use changes, site-specific developments and remedial transport scheme interventions. It represents the main determinants of network performance, namely:
- Base and forecast travel demand, by highway and PT modes and by trip purpose, between origin and destination zones;
  - Highway network characteristics, in terms of link distances, speeds and capacities and in terms of junction layouts, capacities and controls;
  - PT network, route and service characteristics;
  - Transport generalised costs by respective modes; and
  - Behavioural decisions, in terms of route choice, mode choice and trip destination choice, as determined by comparative travel costs.
- 5.7.3. We have used the WSCTM to best effect in assessing the impacts of land use and transport plans proposed by MSDC and WSCC. This has entailed a number of demand scenarios, representing: background growth from NTEM; re-allocation of planning data (households and jobs) between Mid Sussex localities, according to Neighbourhood Plan assumptions; and site-specific trips associated with committed and strategic developments.

## 6. Summary and Conclusions

- 6.1.1. We have interpreted the results from the MSTS transport model assignments, at AM peak 2021 and 2031, to draw a number of conclusions, as summarised below.
- 6.1.2. At the West Sussex County scale, there is likely to be a growth of total person trips on the transport network, in the AM peak, of 9% between 2010 and 2021 and 11% between 2010 and 2031, in the Reference Case and Baseline scenarios. Addition of strategic and Neighbourhood Plan development in Mid Sussex is likely to increase this growth by about 1% at 2021 and by about 2% at 2031. The county-wide impact of strategic and Neighbourhood Plan development in Mid Sussex will, therefore, be slight.
- 6.1.3. Distribution of County trips between travel modes is heavily skewed towards highway vehicles. About 92% of trips are predicted to be by road and only 8% by public transport (bus and rail).
- 6.1.4. In Mid Sussex, the incremental impact of strategic and Neighbourhood Plan development will be in the order of 3,900 highway trips, above the Reference Case, at 2031. Around one third (36%) of highway trips will remain localised within Burgess Hill, whilst the remaining two thirds (64%) will impact upon the wider road network.
- 6.1.5. In the dominant AM peak direction of travel, which comprises trips travelling away from residential sites and trips travelling towards the employment sites, only 25% of Development Case highway movements will remain within Burgess Hill.
- 6.1.6. Overall traffic flows (background plus development traffic) will increase significantly on the following routes (as discussed in section 5.5.10), as a consequence of strategic development in Burgess Hill, together with neighbourhood plan allocations spread across Mid Sussex:
- A23 southbound, between A272, Bolney and A2300, Hickstead and between A273, Pyecombe and A27, Patcham;
  - A2300 eastbound between A23, Hickstead and A273, Burgess Hill;
  - A272 eastbound and westbound, between A23, Bolney and B2036, Ansty;
  - A273 southbound between Burgess Hill and A23, Pyecombe;
  - A273 northbound between B2036, Burgess Hill and A272, Bolnore;
  - B2036 northbound between A273, Burgess Hill and A272, Ansty; and
  - B2116 westbound between A273, Hassocks and A281, Henfield;
- 6.1.7. Flows will also rise significantly on the following routes within Burgess Hill:
- B2113 Station Road eastbound and westbound; and
  - Leylands Road / Janes Lane eastbound.
- 6.1.8. The above link flow increases do not necessarily indicate a significant impact from strategic developments in Burgess Hill, or a problem with link performance.



- 6.1.9. Contribution from strategic sites in Burgess Hill to network traffic volumes is predicted to be substantial (greater than 30%) on the following routes (as described in section 5.4.31):
- B2036, between A273, Fairplace Bridge and A272, Ansty, in Development case (2);
  - A2300 eastbound and westbound;
  - A272 westbound from B2036, Ansty;
  - A273 northbound from B2036, Fairplace Bridge, to A272, Bolnore;
  - A273 southbound from B2116, Hassocks, to A23, Pyecombe;
  - Janes lane eastbound, in Burgess hill; and
  - Northern Arc spine road.
- 6.1.10. There are a number of highway links on which the addition of substantial traffic, arising specifically from strategic developments in Burgess Hill, will contribute to congestion, as evidenced by a ratio of flow to capacity (RFC) exceeding 100% (noted in section 2.4.32). Critical links are expected to be as follows:
- A2300 eastbound and westbound;
  - A272 eastbound, from A273, Bolnore, to B2028, Haywards Heath; and
  - No mitigation scheme has, at this stage, been devised to remedy the congestion;
  - B2113 westbound, from Keymer Road to Civic Way, in Burgess Hill.
- 6.1.11. A broader range of road links will experience congestion and stress, (reflected as RFC greater than 100%), as a consequence of overall strategic and neighbourhood plan development trips, (as summarised in section 5.5.22). Mitigation is needed to resolve these congestion problems, which would not arise in the Reference case as strategic and neighbourhood plan developments are absent. The congested links are as follows:
- A2300 eastbound and westbound;
  - A272 eastbound, from A273, Bolnore, to B2028, Haywards Heath;
  - B2113 westbound, from Junction Road to London Road, in Burgess Hill;
  - A277 southbound between A275 and A27, Lewes; and
  - A264 eastbound and westbound between A2220, Copthorne and B2028.
- 6.1.12. Development-related congestion on A2300 and B2113 could probably be resolved by widening the A2300, to dual 2-lane carriageway and by optimising the layout of the A2300 / Northern Arc spine / Business Park junction.
- 6.1.13. Possible remedial interventions, to mitigate the congestion on A272 (Bolnore to Haywards Heath) and A264 (Copthorne), have not, as yet, been investigated. It is envisaged that these would be tested as part of a preferred package of interventions, in due course.

- 6.1.14. Travel demand associated with the Mid Sussex Development Case (2) (the most realistic mitigation scenario) will have a detrimental impact upon highway network performance at a few critical locations (as noted in section 5.5.25). There are junctions where traffic flows will exceed capacity with development in place, but will be below capacity in the Reference Case, at AM peak 2031. These locations may require some remedial interventions to mitigate junction congestion and are as follows:
- A272 / B2036, Ansty;
  - A272 / A273, Bolnore;
  - A272 / B2028, Haywards Heath;
  - A272 / B2111, Haywards Heath;
  - A272 Paddockhall Road, Haywards Heath;
  - A264 / B2028, near Copthorne;
  - B2114 / B2115 junction, Slough Green; and
  - B2113 Folders Lane / Keymer Road junction, Burgess Hill.
- 6.1.15. There are other junctions at which traffic flows will exceed capacity in the Development Case (2) and in the Reference Case, but where the increment to the RFC contributed by combined development is more than 5%, namely:
- A23 / B2110; Handcross;
  - A23 / A272, Bolney;
  - A23 / B2118 interchange, Sayers Common;
  - A273 / B2112, Clayton;
  - B2112 / Haywards Heath Relief Road Junction;
  - B2110 / B2115, Lower Beeding; and
  - B2110 / B2036.
- 6.1.16. It may be possible to undertake further analysis of MSTS model outputs, in order to identify whether or not strategic development traffic, associated solely with sites in Burgess Hill, is the cause of congestion at the junctions listed above.
- 6.1.17. Two junctions would experience demand in excess of capacity without the mitigation schemes assumed in Development Case (2). These are as follows:
- A273 / B2036 Junction, Fairplace Bridge; and
  - A23 / A2300 Hickstead interchange (85% RFC).
- 6.1.18. There are several potentially congested junctions, where interventions are being considered, to accommodate strategic development, but where an optimum configuration is still to be determined, namely:

- A273 / B2036 Fairplace Bridge – traffic restraint on A273 and B2036 will be needed alongside the new Northern Arc spine road, to alleviate congestion;
  - A2300 / Northern Arc / Business Park junction – a more effective layout and greater capacity, than that of a roundabout with two-lane approaches, will be essential here; and
  - B2112 Haywards Heath Relief Road – a junction arrangement with greater capacity will be needed.
- 6.1.19. The MSTS appraisal suggests that strategic and neighbourhood plan development in Mid Sussex will not give rise to highway performance problems around Ditchling. The B2112, B2116 and Ditchling Beacon Road will show link and junction RFC below 70% in all scenarios at AM peak 2031.
- 6.1.20. Further refinements to the MSTS model assignments are really needed, to ensure that realistic mitigation scheme layouts are included, which will provide adequate capacity for predicted travel demands.
- 6.1.21. Such further remedial interventions and impact mitigation schemes have not been tested at this stage, because agreement is being sought with MSDC and WSCC regarding a preferred package of transport measures to be assessed in a final MSTS model assignment.
- 6.1.22. Impacts from Development Case traffic demand will be negligible in the vicinity of Ashdown Forest, on A275, A22, A26 and B21110. Here, traffic increases will fall well below the 1,000 vehicles AADT threshold increase specified by HRA and, so, will have negligible impact upon air quality.
- 6.1.23. There are strengths and weaknesses to the MSTS approach and outcomes. However, the strategic modelling method has generally provided robust and comprehensive information to inform decision-making by MSDC regarding the District Plan strategy. The study has indicated parts of the transport network where intervention will be critical to ensure that development options are feasible and their impacts are acceptable.
- 6.1.24. The study scope does not allow a detailed picture of development outcomes within Burgess Hill, or a finalised view of what transport interventions will be needed to mitigate development impacts in Mid Sussex. Further work is needed to devise a reliable package of remedial interventions.
- 6.1.25. Once potential interventions have been identified, their effectiveness will need to be assessed for a typical weekday PM peak period as well as for the AM peak referred to throughout this stage 1 report.

## 7. Reliability of the Study Findings

7.1.1. We have considered the robustness and reliability of the findings from the Mid Sussex Transport Study. There is much strength and some weakness in the modelling approach, as discussed below.

### 7.2. Appraisal Strengths

7.2.1. The strategic transport model, as refined for the MSTS, is a strong tool for predicting the area-wide impacts of land use changes, site-specific developments and remedial transport scheme interventions. It represents the main determinants of network performance, namely:

- Base and forecast travel demand, by highway and PT modes and by trip purpose, between origin and destination zones;
- Highway network characteristics, in terms of link distances, speeds and capacities and in terms of junction layouts, capacities and controls;
- PT network, route and service characteristics;
- Transport generalised costs by respective modes; and
- Behavioural decisions, in terms of route choice, mode choice and trip destination choice, as determined by comparative travel costs.

7.2.2. Refinements have been made to the WSCTM, in Burgess Hill, to give greater precision in terms of network, zoning and travel patterns and better accuracy with respect to recently observed (2010) traffic data. This precision is more appropriate than the previous 2008 base model, for the planning proposals being considered by MSDC.

7.2.3. We have used the WSCTM to best effect in assessing the impacts of land use and transport plans proposed by MSDC and WSCC, at AM peak 2031. This has entailed a number of demand scenarios, representing: background growth from NTEM; re-allocation of planning data (households and jobs) between Mid Sussex localities, according to Neighbourhood Plan assumptions; and site-specific trips associated with committed and strategic developments. It has also included several transport intervention packages, representing committed highway and PT improvements and potential schemes to mitigate the impact of future travel demand.

7.2.4. The strategic SATURN / CUBE model has provided a wide range of outputs suitable for making a reliable assessment of the likely impacts of future travel patterns and transport interventions.

### 7.3. Appraisal Weaknesses

- 7.3.1. Any weaknesses in the MSTS appraisal findings are mainly a consequence of a shortage of local detail in the strategic transport model and incompleteness in the scope of work undertaken for the project.
- 7.3.2. Despite refinements, the WSCTM does not include sufficient detail within towns in Mid Sussex, to give a true picture of the following:
- Shorter-distance travel movements;
  - Access options at development sites;
  - Detailed junction layout and operation;
  - Local PT service arrangements; and
  - Sustainable travel initiatives (e.g. active travel schemes; Smarter Choices and car parking controls).
- 7.3.3. These shortcomings apply in Burgess Hill, Haywards Heath and East Grinstead.
- 7.3.4. MSDC should refer to the forthcoming Burgess Hill Transport Model, to judge the local effects of strategic development at Burgess Hill.
- 7.3.5. The assessments of development impacts and the effects of remedial transport interventions, in the MSTS, are not fully complete. We advise that further model assignments will be needed with revised intervention packages and more refined scheme configurations (e.g. the A2300 / Northern Arc / Business Park access junction), before an optimum judgement on development proposals can be achieved.
- 7.3.6. It is acknowledged that the strategic AM peak modelling appraisal is sufficient to assess the likely transport impacts of the Mid Sussex District Plan. However, if detailed impact analysis is required for specific development sites, then it will be necessary to also consider a PM peak situation.



# Appendix A

## Model Results



## **A.1. Model Summary Statistics**







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## **A.2. Development Mode Shares**

**CO03022422 Mid Sussex Transport Study - Development Mode Shares (AM Peak)**

Model Statistic	Development	Mode	Unit	2021			2031		
				Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
Total Network Trips	East of Kingsway	Highway	Persons	194	182	182	402	364	364
		PT	Persons	8	19	19	14	38	38
		Combined	Persons	202	201	201	417	401	401
	Northern Arc	Highway	Persons	1356	1276	1275	2802	2547	2547
		PT	Persons	49	132	132	100	264	264
		Combined	Persons	1405	1407	1406	2902	2811	2811
	North East Business Park	Highway	Persons	743	698	698	1330	1391	1391
		PT	Persons	28	74	74	55	145	145
		Combined	Persons	770	772	772	1385	1536	1536
All Developments Combined		Highway	Persons	2292	2156	2155	4535	4302	4302
		PT	Persons	84	225	225	169	447	447
		Combined	Persons	2377	2380	2379	4703	4748	4748



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### **A.3. Development Highway Travel Distance**

**CO03022422 Mid Sussex Transport Study - Development Highway Travel Distance (AM Peak)**

Development	Model Zone	2021 (PCU/Kms)									2031 (PCU/Kms)								
		Development Case Phase 1			Development Case Phase 2			Development Case Phase 3			Development Case Phase 1			Development Case Phase 2			Development Case Phase 3		
		O	D	2-way	O	D	2-way	O	D	2-way	O	D	2-way	O	D	2-way	O	D	2-way
East of Kingsway	390	2429	346	2775	2219	323	2542	2195	324	2519	4628	657	5284	4254	597	4851	4202	599	4802
Northern Arc	387	7066	970	8035	6430	913	7344	6369	915	7284	13189	1821	15010	11991	1689	13681	11797	1694	13491
	388	2319	340	2659	2180	320	2500	2167	322	2489	4370	641	5011	4026	588	4614	3984	589	4573
	389	6911	957	7869	6214	879	7093	6203	882	7085	13006	1805	14811	11740	1621	13361	11650	1623	13272
	Overall	16296	2267	18563	14824	2112	16936	14739	2119	16858	30565	4267	34832	27757	3899	31656	27430	3906	31336
North East Business Park	391	1252	8348	9600	1138	7851	8988	1134	7865	8999	2301	16024	18326	2092	14999	17091	2078	15019	17097
<b>All Developments Combined</b>		<b>19978</b>	<b>10961</b>	<b>30938</b>	<b>18182</b>	<b>10285</b>	<b>28467</b>	<b>18068</b>	<b>10308</b>	<b>28376</b>	<b>37494</b>	<b>20948</b>	<b>58442</b>	<b>34103</b>	<b>19495</b>	<b>53598</b>	<b>33710</b>	<b>19524</b>	<b>53234</b>
<b>Proportion of Network Wide Travel Distance</b>		<b>0.8%</b>			<b>0.7%</b>			<b>0.7%</b>			<b>1.4%</b>			<b>1.3%</b>			<b>1.3%</b>		



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## **A.4. Strategic and Non-Strategic Modelled Link Flows**

C003022422 Mid Sussex Transport Study - Strategic and Non Strategic Modelled Link Flows (AM Peak)

Strategic Links (Motorway and Trunk Routes)

Ref.	Link		SATURN Node List			Direction	Base Year	M23					2031				
			A-Node	B-Node	C-Node			2021					2031				
	From	To						Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
M23.11	Jct 11	Jct 10A	4294	4454		NB	3521	3607	3642	3622	3598	3642	3633	3731	3652	3672	3656
M23.12	Jct 10A	Jct 10	4454	4770		NB	4033	4220	4171	4166	4176	4253	4237	4246	4246	4235	3916
M23.13	Jct 10	Jct 9	7318	4946		NB	3338	3527	3474	3499	3536	3578	3545	3585	3620	3608	3608
M23.11	Jct 10A	Jct 11	4434	4292		SB	2163	2254	2374	2383	2393	2389	2346	2450	2479	2473	2488
M23.12	Jct 10	Jct 10A	4776	4434		SB	2552	2720	2816	2857	2855	2859	2832	2946	2991	2994	3020
M23.13	Jct 9	Jct 10	4948	4858		SB	3444	3666	3634	3682	3696	3698	3817	3852	3866	3893	3920

Ref.	Link		SATURN Node List			Direction	Base Year	A23					2031				
			A-Node	B-Node	C-Node			2021					2031				
	From	To						Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A23.1	A27	A273	2542	2578		NB	4365	4645	4565	4631	4590	4590	4759	4686	4771	4742	4743
A23.2	A273	A281	2658	2672		NB	3548	3787	3747	3801	3836	3814	3856	3835	3903	3943	3916
A23.3	A281	B2117	2694	2774		NB	3338	3527	3474	3499	3536	3578	3545	3585	3620	3608	3608
A23.4	B2117	B2118	7325	7337		NB	3271	3454	3407	3431	3468	3468	3501	3474	3514	3549	3543
A23.5	B2118	A2300	7337	7324		NB	3742	3848	3820	3835	3857	3857	3869	3884	3905	3901	3901
A23.6	A2300	A272	3296	3346		NB	3719	3848	3834	3882	3834	3843	3864	3861	3908	3919	3880
A23.7	A272	B2115	3600	3658		NB	3888	4228	4246	4328	4340	4269	4261	4282	4396	4365	4369
A23.8	B2115	B2110	3630	3878		NB	3928	4409	4376	4419	4433	4408	4420	4391	4447	4459	4437
A23.9	B2110	M23	3884	4202		NB	3999	4312	4312	4313	4313	4312	4310	4309	4312	4313	4312
A23.10	M23	A2004	4276	4366		NB	1666	1784	1761	1738	1759	1752	1760	1784	1756	1726	1722
A23.1	A273	A27	2580	2540		SB	2558	2750	2862	3007	2969	2954	2825	2871	3159	3088	3054
A23.2	A281	A273	2670	2664		SB	2221	2473	2513	2578	2647	2600	2560	2536	2719	2646	2587
A23.3	B2117	A281	2798	2672		SB	2070	2279	2321	2388	2463	2416	2356	2336	2448	2448	2395
A23.4	B2118	B2117	3108	2798		SB	1737	1886	1957	2018	2094	2060	1964	1987	2159	2096	2054
A23.5	A2300	B2118	3166	3108		SB	2276	2458	2505	2589	2640	2597	2548	2541	2760	2609	2532
A23.6	A272	A2300	3326	3242		SB	2263	2373	2420	2582	2587	2613	2490	2477	2799	2816	2766
A23.7	B2115	A272	3638	3516		SB	2173	2317	2347	2487	2445	2464	2466	2453	2628	2578	2608
A23.8	B2110	B2115	3872	3664		SB	2317	2550	2563	2587	2613	2610	2669	2621	2670	2687	2695
A23.9	M23	B2110	4178	4110		SB	2603	2716	2719	2728	2750	2754	2842	2769	2809	2828	2841
A23.10	A2004	M23	4372	4280		SB	749	659	694	698	712	720	677	740	762	766	754

Ref.	Link		SATURN Node List			Direction	Base Year	A27					2031				
			A-Node	B-Node	C-Node			2021					2031				
	From	To						Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A27.1	A2025	A283	2080	7373		EB	1945	1964	1951	1963	1954	1947	2012	2003	1979	1987	1989
A27.2	A283	A23	2254	2256		EB	3283	3389	3382	3388	3360	3350	3493	3460	3419	3418	3426
A27.3	A23	A277	2484	2538		EB	2348	2534	2555	2561	2567	2566	2608	2619	2633	2634	2639
A27.4	A277	A283	2538	2538		EB	2685	2682	2685	2682	2685	2682	2687	2680	2681	2681	2689
A27.5	A283	A2025	7372	2084		WB	1577	1681	1742	1799	1798	1838	1659	1709	1835	1843	1738
A27.6	A23	A283	2250	2248		WB	2800	2995	3085	3184	3172	3170	3015	3083	3242	3264	3264
A27.7	A23	A277	2538	2484		WB	2472	2691	2714	2726	2735	2746	2752	2780	2762	2773	2790
A27.8	A26	A277	2528	2538		WB	1341	1471	1472	1490	1491	1496	1506	1516	1511	1519	1518

Strategic Links (Other A Roads)

Ref.	Link		SATURN Node List			Direction	Base Year	A264					2031				
			A-Node	B-Node	C-Node			2021					2031				
	From	To						Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A264.14	M23	A2220	4816	7364		EB	990	1030	1030	1052	1039	1047	1070	1066	1125	1103	1114
A264.15	A2220	B2028	4864	7364		EB	1204	1354	1371	1374	1374	1374	1406	1385	1430	1428	1423
A264.16	B2028	B2037	7106	4910		EB	242	352	355	364	350	343	397	366	383	385	383
A264.17	A2220	B2037	7350	4892		EB	419	476	468	483	475	472	479	473	485	483	481
A264.14	A2220	M23	7364	4816		WB	1075	1072	1088	1099	1091	1095	1073	1076	1093	1096	1093
A264.15	B2028	A2220	7104	4864		WB	1501	1522	1635	1638	1630	1616	1631	1610	1625	1624	1636
A264.16	B2028	B2037	4910	7106		WB	614	710	654	674	688	688	626	669	664	675	675
A264.17	A2220	B2037	4892	7350		WB	684	820	745	775	772	759	817	712	771	766	774

Ref.	Link		SATURN Node List			Direction	Base Year	A22 (B2028 to East Grinstead)					2031				
			A-Node	B-Node	C-Node			2021					2031				
	From	To						Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A22.18	B2028	A264	4892	5016		NB	892	1028	1036	1055	1026	1014	1047	1043	1072	1064	1048
A22.19	A264	East Grinstead	4848	4876		NB	892	778	778	811	778	775	826	769	833	813	804
A22.18	A264	B2028	5016	4892		SB	1078	1184	1173	1153	1150	1149	1270	1188	1221	1205	1210
A22.19	East Grinstead	A264	4876	4848		SB	734	818	805	791	780	780	857	818	819	799	802

Ref.	Link		SATURN Node List			Direction	Base Year	A22 (East Grinstead to Raven Wood)					2031				
			A-Node	B-Node	C-Node			2021					2031				
	From	To						Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A22.20	East Grinstead	A275	4114	4348		NB	489	565	566	576	571	570	590	588	617	622	616
A22.21	A275	Raven Wood	8131	4096		NB	288	336	340	344	340	330	357	365	367	364	364
A22.20	A275	East Grinstead	4348	4114		SB	148	156	165	166	159	156	166	171	161	157	157
A22.21	Raven Wood	A275	4096	8131		SB	95	103	111	115	110	107	106	113	132	126	121

Ref.	Link		SATURN Node List			Direction	Base Year	A2300					2031				
			A-Node	B-Node	C-Node			2021					2031				
	From	To						Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A2300.22	A23	A273	3236	8111		EB	1053	919	813	1084	1271	1255	972	840	1352	1431	1481
A2300.22	A273	A23	8111	3236		WB	1020	1054	1046	1217	1123	1126	1046	1020	1410	780	781

Ref.	Link		SATURN Node List			Direction	Base Year	A272					2031				
			A-Node	B-Node	C-Node			2021					2031				
	From	To						Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A272.23	A24	A281	3388	3390		EB	781	894	846	890	907	881	925	888	976	985	964
A272.24	A281	A23	3382	3350		EB	628	771	770	814	829	793	791	802	875	881	882
A272.25	A23	B2036	3338	3412		EB	462	540	510	558	5						

A281.35	A23	B2117	2662	2752		NB	224	295	286	324	333	308	314	325	358	368	353
A281.36	B2117	A2073	2752	2758		NB	270	353	343	385	397	391	369	376	426	459	463
A281.37	A2073	B2117	2914	2948		NB	650	755	744	772	782	787	795	804	845	845	833
A281.38	B2116	B2116	3002	3110		NB	730	820	770	836	843	835	849	798	905	889	873
A281.39	B2116	A272	3142	3318		NB	468	536	490	492	512	497	566	549	528	546	551
A281.40	A272	B2110	3554	3684		NB	753	769	711	697	699	717	796	737	744	752	751
A281.41	B2110	B2115	3694	3728		NB	419	461	427	419	422	439	468	429	420	419	444
A281.42	B2115	Monks Gate	3728	3748		NB	887	923	911	911	915	940	928	900	902	901	944
A281.35	B2117	A23	2752	2662		SB	211	258	255	260	263	272	271	300	297	297	297
A281.36	A2073	B2117	2758	2752		SB	308	380	355	356	356	360	404	381	403	392	401
A281.37	B2116	A2073	2948	2874		SB	285	335	334	334	336	330	343	343	380	349	346
A281.38	B2116	B2110	3110	3002		SB	274	322	312	312	319	323	335	325	351	348	352
A281.39	A272	B2116	3318	3142		SB	198	216	209	212	219	203	220	214	237	241	235
A281.40	B2110	A272	3684	3554		SB	387	423	434	491	493	448	426	435	518	526	467
A281.41	B2115	B2110	3728	3684		SB	81	75	71	71	77	72	76	80	97	101	97
A281.42	Monks Gate	B2115	3748	3728		SB	160	178	176	188	191	196	185	191	232	234	243

A264																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A264.58	East Grinstead	B2026	4880	4870		EB	570	625	652	650	645	645	643	660	657	653	653
A264.58	B2026	East Grinstead	4870	4880		WB	712	776	778	785	783	789	797	798	811	817	815

A273																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A273.43	A23	B2112	2656	2746		NB	1050	1125	1089	1123	1093	1097	1178	1108	1202	1153	1170
A273.44	B2112	B2116	2746	2814		NB	765	736	727	745	707	647	765	730	714	705	672
A273.45	B2116	B2036	7716	2974		NB	797	765	757	785	760	694	795	762	751	740	719
A273.46	B2036	A2300	3128	3164		NB	660	680	663	714	498	510	676	661	447	447	471
A273.47	A2300	B2036	3202	3226		NB	618	563	501	523	167	151	580	512	534	165	143
A273.48	B2036	A272	7740	3418		NB	612	605	594	734	735	741	610	590	844	778	741
A273.97	Keymer Rd	A273	3020	3006		NB	-	-	-	-	-	-	703	-	-	-	712
A273.43	B2112	A23	2746	2656		SB	570	545	620	720	663	677	540	592	774	797	809
A273.44	B2116	A272	2814	2746		SB	375	372	440	500	451	507	378	428	514	565	625
A273.45	B2036	B2116	2974	7716		SB	506	571	627	719	691	739	585	615	785	894	965
A273.46	A2300	B2036	3164	3128		SB	445	446	418	420	383	393	474	439	418	368	403
A273.47	B2036	A2300	3226	3202		SB	451	500	527	625	152	154	498	521	721	194	208
A273.48	A272	B2036	3418	7740		SB	401	495	548	571	591	598	487	544	377	473	536
A273.97	A273	Keymer Rd	3006	3020		SB	-	-	-	-	-	-	220	-	-	-	326

A275																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A275.50	Lewes	B2116	2604	2666		NB	257	263	259	259	259	259	273	260	260	260	260
A275.51	A272	A22	3322	3570		NB	821	923	899	922	917	949	950	932	967	969	978
A275.49	B2116	Lewes	2666	2604		SB	215	218	220	223	220	219	218	219	222	222	222
A275.50	A272	B2116	3212	7369		SB	241	232	235	245	274	329	243	236	264	277	357
A275.51	A22	A272	3570	3322		SB	102	103	109	112	107	106	107	111	117	107	105

A277																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A277.87	A27	A275	2538	2552		NB	663	744	733	731	740	739	769	791	804	793	800
A277.88	A275	A26	2558	2564		NB	343	388	371	375	377	379	397	418	441	432	432
A277.87	A275	A27	2552	2538		NB	1132	1221	1242	1237	1244	1250	1246	1264	1251	1254	1273
A277.88	A26	A275	2564	2558		SB	456	477	493	492	494	501	488	493	490	494	503

A2220																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A2220.89	B2036	A264	4716	7368		NB	465	522	554	542	549	544	541	552	555	572	564
A2220.89	A264	B2036	7368	4716		SB	911	913	858	863	872	865	912	867	864	877	880

Northern Arc Spine Rd																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
LR.95	A273	B2036	8109	8115		WB	-	-	-	-	-	-	811	-	-	691	686
LR.96	B2036	A2300	8114	8113		WB	-	-	-	-	-	568	547	-	-	357	300
LR.94	A273	Leylands Rd	8117	9963		EB	-	-	-	-	-	547	487	-	-	794	756
LR.95	B2036	A273	8115	8109		SB	-	-	-	-	-	706	671	-	-	821	813
LR.96	A2300	B2036	8113	8114		EB	-	-	-	-	-	496	474	-	-	396	416

Haywards Heath Relief Rd																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
HH.92	A273	B2112	3448	9108		EB	-	304	294	309	215	266	290	293	330	188	206
HH.93	B2112	A272	9111	9110		WB	-	177	173	177	181	175	175	173	169	162	184
HH.92	B2112	A273	9108	3448		WB	-	967	915	825	792	852	966	928	543	522	612
HH.93	A272	B2112	9110	9111		WB	-	515	456	375	372	382	512	459	351	263	256

**Non Strategic Links (0 Roads)**

B2116																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2116.52	Partridge Green	A281	3116	3110		EB	254	305	296	285	290	288	322	311	304	307	313
B2116.53	A281	B2118	7964	2938		EB	216	182	172	158	152	154	180	169	156	155	158
B2116.54	B2118	B2117	2934	2906		EB	163	212	188	195	187	182	214	187	198	195	196
B2116.55	B2117	A273	2866	2838		EB	383	402	372	387	383	387	406	369	397	394	395
B2116.56	A273	B2112	2828	2822		EB	344	408	405	419	417	396	413	413	434	440	451
B2116.57	B2112	A275	7872	2698		EB	473	540	524	538	518	496	557	553	565	557	536
B2116.52	A281	Partridge Green	3110	3116		WB	443	489	476	526	525	509	497	451	567	545	520
B2116.53	B2118	A281	2938	7964		WB	230	269	262	276	293	300	267	247	285	314	308
B2116.54	B2117	B2118	2908	2934		WB	403	458	465	494	521	541	439	426	491	568	595
B2116.55	A273	B2117	2838	2866		WB	351	377	365	391	511	551	380	343	429	607	626
B2116.56	B2112	A273	2822	2828		WB	20	25	24	26	27	28	30	25	37	23	49
B2116.57	A275	B2112	2698	7872		WB	156	147	149	152	150	152	150	151	162	164	164

B2112																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2112.59	A273	B2116	2746	2778		NB	461	600	595	593	558	514	633	612	650	613	562
B2112.60	B2116	B2113	7722	3004		NB	388	449	443	444	444	422	462	453	482	496	443
B2112.90	B2113	A272	7724	3316		NB	647	671	675	678	677	682	664	670	682	684	695
B2112.59	B2116	A273	2778														

B2036.65	A272	A273	7738	3278		SB	281	333	305	289	253	232	339	304	301	293	182
B2036.66	B2110	Cuckfield	3940	3714		SB	182	212	195	202	188	194	223	198	219	213	209
B2036.67	M23 Jct 10A	B2110	4390	4248		SB	523	583	632	653	645	610	688	688	689	682	693

Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2028.68	Haywards Heath	B2110	3904	4322		NB	258	272	286	332	324	330	427	282	361	350	357
B2028.69	B2110	A264	4760	7780		NB	466	476	488	472	483	473	487	467	478	491	485
B2028.70	B2037	A221	4920	5016		NB	454	512	530	521	521	516	547	531	528	531	535
B2028.68	B2110	Haywards Heath	4322	3904		SB	127	136	166	166	179	170	169	137	163	185	177
B2028.69	A264	B2110	7780	4760		SB	297	349	332	349	349	347	360	334	378	374	370
B2028.70	A22	B2037	5016	4924		SB	419	479	466	472	484	486	502	506	505	519	518

Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2037.71	B2036	B2028	4940	4924		EB	12	12	13	13	13	13	13	13	14	14	15
B2037.71	B2028	B2036	4924	4940		WB	87	221	170	179	177	181	237	149	185	213	204

Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2110.72	A281	B2115	3756	7824		NB	413	412	389	394	392	401	437	419	459	466	452
B2110.73	B2115	A23	3830	3886		NB	421	394	364	364	364	362	419	392	420	422	408
B2110.74	A23	B2036	4012	4206		NB	150	175	156	160	158	155	187	168	211	218	189
B2110.75	B2036	B2028	4248	7784		NB	315	353	338	345	340	339	368	350	363	361	369
B2110.76	B2028	East Grinstead	7768	4582		NB	435	425	412	422	463	461	453	409	427	474	486
B2110.72	B2115	A281	7824	3756		WB	174	810	847	911	909	877	809	826	903	869	877
B2110.73	A23	B2115	3886	3830		SB	302	357	415	440	445	448	355	451	443	456	459
B2110.74	B2036	A23	4206	4012		SB	77	102	149	159	164	166	105	200	175	179	183
B2110.75	B2028	B2036	7784	4248		SB	369	402	374	376	383	379	403	371	381	385	378
B2110.76	East Grinstead	B2028	4582	7768		SB	169	227	227	239	228	222	250	247	271	257	256

Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2114.77	B2110	B2115	3774	3796		NB	217	157	162	174	177	174	154	180	169	170	168
B2114.77	B2115	B2110	3796	3774		SB	141	166	188	194	196	202	175	202	208	211	213

Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2115.78	B2110	A23	3788	3670		EB	58	80	82	97	94	103	85	87	113	114	116
B2115.79	A23	B2114	7790	3662		EB	276	381	301	302	305	315	394	296	309	310	337
B2115.80	B2114	Cuckfield	3662	3620		EB	414	544	487	492	497	514	567	496	511	514	545
B2115.78	A23	B2110	3670	3788		WB	255	232	277	288	289	298	267	286	286	305	305
B2115.79	B2114	A23	3662	7790		WB	631	706	708	708	765	765	691	713	713	713	713
B2115.80	Cuckfield	B2114	3620	3662		WB	846	889	868	876	881	935	865	848	854	896	937

**Town Centre Links**

Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
<b>Burgess Hill</b>																	
<b>A273</b>																	
A273.TC01	B2036	Charlee Avenue	3000	3026		NB	737	787	744	802	694	921	806	751	842	694	847
A273.TC02	Charlee Avenue	York Road	3026	3074		NB	498	543	511	564	412	425	545	517	598	368	385
A273.TC03	York Road	Malthouse Lane	3074	3128		NB	613	646	624	678	490	503	616	702	637	447	504
A273.TC04	Malthouse Lane	A2300	3164	3188		NB	660	680	663	714	498	510	676	661	748	447	471
A273.TC05	A2300	Sussex Way	3188	3202		NB	692	591	526	558	148	146	616	538	594	148	153
A273.TC06	Sussex Way	B2036	3202	3226		NB	618	563	501	523	167	151	590	512	534	165	143
A273.TC01	Charlee Avenue	B2110	3026	3074		SB	373	402	364	352	316	333	418	375	297	299	299
A273.TC02	York Road	Charlee Avenue	3074	3026		SB	375	409	371	365	326	343	420	384	344	282	313
A273.TC03	Malthouse Lane	York Road	3128	3074		SB	645	740	627	630	582	596	739	654	624	543	576
A273.TC04	A2300	Malthouse Lane	3188	3164		SB	440	446	417	420	383	393	474	439	418	368	403
A273.TC05	Sussex Way	B2036	3202	3188		SB	445	499	454	420	64	73	487	497	740	121	144
A273.TC06	B2036	Sussex Way	3226	3202		SB	451	500	527	625	152	154	498	521	721	194	208
<b>B2036</b>																	
B2036.TC07	A273	B2113	7730	3078		NB	762	749	699	688	721	591	755	718	651	713	613
B2036.TC08	B2113	Victoria Way	3078	3086		NB	869	760	803	786	835	594	764	783	727	792	612
B2036.TC09	Victoria Way	Royal George Road	3086	3102		NB	542	486	533	503	463	412	508	517	409	462	417
B2036.TC10	Royal George Road	West Street	3102	3150		NB	562	518	503	475	368	313	538	507	391	353	315
B2036.TC11	West Street	Leylands Road	3150	3158		NB	605	562	542	514	405	349	583	547	431	391	352
B2036.TC12	B2113	A273	3078	7730		SB	592	774	840	959	880	583	778	825	1072	1119	850
B2036.TC07	Victoria Way	B2113	3086	3078		SB	536	599	650	729	617	628	603	634	763	715	687
B2036.TC08	Royal George Road	Victoria Way	3102	3086		SB	588	588	637	711	448	445	590	595	623	589	595
B2036.TC09	West Street	Royal George Road	3150	3102		SB	578	588	641	709	417	415	591	631	745	557	564
B2036.TC10	Leylands Road	West Street	3158	3150		SB	657	674	729	805	499	496	677	721	847	646	647
B2036.TC11	A273	B2113	7730	3078		SB	762	749	699	688	721	591	755	718	651	713	613
B2036.TC12	B2113	Victoria Way	3078	3086		SB	669	760	803	786	835	594	764	783	727	792	612
<b>B2113</b>																	
B2113.TC13	B2036	Civic Way	3078	3086		EB	590	711	636	658	689	626	709	655	682	703	516
B2113.TC14	Civic Way	Mill Road	3082	3032		EB	588	754	682	701	702	684	753	707	737	713	546
B2113.TC15	Mill Road	Keymer Road	3032	3056		EB	667	842	781	824	865	842	942	876	939	832	832
B2113.TC16	Keymer Road	Kingsway	3020	3012		EB	527	576	560	564	546	617	582	564	565	554	614
B2113.TC17	Kingsway	B2112	3012	3004		EB	529	578	563	591	563	633	585	568	631	591	651
B2113.TC18	Civic Way	B2036	3082	3078		WB	752	898	931	987	1065	584	893	910	1047	1186	678
B2113.TC14	Mill Road	Civic Way	3032	3082		WB	731	943	917	963	955						



CR.TC36	Gander Hill	B2028	3598	3574	SB	15	19	14	23	19	22	18	14	25	17	24	
East Grinstead																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A22																	
A22.TC37	Station Road	A264	7113	4794		SB	1232	1353	1400	1396	1370	1364	1398	1418	1425	1389	1389
A22.TC38	A264	London Road	4794	4782		SB	923	995	1053	1054	1025	1023	1024	1059	1080	1047	1043
A22.TC39	London Road	B2110	7111	4772		SB	85	92	100	100	97	95	97	104	103	100	97
A22.TC40	London Road	B2110	-	-		SB	-	-	-	-	-	-	-	-	-	-	-
A22.TC41	B2110	London Road	-	-		SB	-	-	-	-	-	-	-	-	-	-	-
A22.TC37	A264	Station Road	-	-		NB	-	-	-	-	-	-	-	-	-	-	-
A22.TC38	London Road	A264	-	-		NB	-	-	-	-	-	-	-	-	-	-	-
A22.TC39	B2110	London Road	4772	7111		NB	0	0	0	0	0	0	0	0	0	0	0
A22.TC40	B2110	London Road	7112	7115		NB	1125	1215	1243	1251	1220	1217	1241	1242	1277	1251	1246
A22.TC41	London Road	B2110	7114	7113		NB	1181	1319	1296	1341	1289	1282	1383	1298	1374	1333	1322
A264																	
A22.TC42	A22	B2110	4794	4832		NB	517	576	576	570	573	570	601	586	578	579	581
A22.TC42	B2110	A22	4832	4794		SB	207	218	228	228	228	229	227	228	232	238	235
B2110																	
A22.TC43	A264	Estcots Drive	4832	4780		SB	467	497	526	529	506	505	509	537	542	515	517
A22.TC44	Estcots Drive	Lewes Road	4780	4738		SB	354	374	383	388	368	367	379	387	396	375	375
A22.TC45	A22	College Lane	4736	4738		WB	405	457	459	465	453	450	469	468	480	474	474
A22.TC46	College Lane	London Road	4738	4742		WB	759	831	843	854	821	817	847	855	876	849	849
A22.TC47	London Road	Brooklands Way	4744	7972		WB	389	424	468	474	442	441	430	473	483	449	453
A22.TC43	Estcots Drive	A264	4780	4832		NB	86	86	85	84	82	83	86	82	82	79	82
A22.TC44	Lewes Road	Estcots Drive	4738	4780		NB	96	100	98	99	93	94	101	96	99	91	95
A22.TC45	College Lane	A22	4738	4736		EB	122	133	135	133	128	128	134	139	136	130	130
A22.TC46	London Road	College Lane	4742	4738		EB	219	232	232	232	222	222	235	235	235	221	226
A22.TC47	Brooklands Way	London Road	7972	4744		EB	146	158	160	161	154	153	161	165	166	156	153



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## **A.5. Strategic and Non-Strategic Modelled Link Flow Differences**



A27.87	A27	A27	2638	2662	NB	-	1.4%	18.6%	-0.3%	1.0%	0.7%	-2.7%	18.2%	1.7%	0.3%	1.2%
A27.88	A27	A26	2668	2664	NB	-	5.3%	8.7%	1.0%	1.2%	0.3%	1.3%	8.9%	0.9%	0.3%	1.4%
A27.89	A27	A27	2662	2638	SB	-	-1.7%	9.8%	-0.4%	0.2%	0.6%	-1.4%	11.7%	0.1%	-0.4%	0.7%
A27.88	A26	A27	2664	2668	SB	-	-3.2%	8.1%	-0.2%	0.2%	0.3%	-1.9%	8.7%	-0.0%	0.2%	1.3%

Ref.	From	To	SATURN Node List			Direction	Base Year	2021					2031				
			A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A220.89	B2036	A264	4716	7368		NB	-	15.4%	13.1%	1.2%	0.2%	-1.0%	18.2%	0.5%	0.2%	1.5%	
A220.89	A264	B2036	7368	4716		SB	-	8.4%	-5.8%	1.0%	1.6%	0.6%	4.2%	-4.8%	-0.4%	1.1%	

Ref.	From	To	SATURN Node List			Direction	Base Year	2021					2031				
			A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
LR.96	A273	B2036	8109	8115		WB	-	-	-	-	-	-	-	-	-	-	
LR.96	B2036	A2300	8114	8113		WB	-	-	-	-	-	-	-	-	-	-	
LR.94	A273	Laylands Rd	8117	9963		EB	-	-	-	-	-	-	-	-	-	-	
LR.95	B2036	A273	8115	8109		EB	-	-	-	-	-	-	-	-	-	-	
LR.96	A2300	B2036	8113	8114		EB	-	-	-	-	-	-	-	-	-	-	

Ref.	From	To	SATURN Node List			Direction	Base Year	2021					2031				
			A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
H4.93	A273	B2112	3448	9108		EB	-	3.2%	-	143.8%	-28.9%	-9.8%	-9.5%	-	12.6%	-35.8%	-28.9%
H4.93	B2112	A273	9111	9110		EB	-	2.2%	-	125.5%	-20%	-2.4%	-	-	12.6%	-35.8%	-28.9%
H4.92	B2112	A273	9108	3448		WB	-	5.7%	-	482.5%	-13.4%	4.3%	4.8%	-	41.5%	-43.7%	-34.9%
H4.93	A272	B2112	9110	9111		WB	-	13.0%	-	197.2%	-18.4%	-16.1%	11.5%	-	28.7%	-42.8%	-44.3%

Ref.	From	To	SATURN Node List			Direction	Base Year	2021					2031				
			A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2116.52	Partridge Green	A281	3116	3110		EB	-	2.7%	18.5%	-	-	-	23.7%	-	-	0.7%	
B2116.53	A281	B2116	7864	2908		EB	-	4.7%	-23.3%	3.1%	-11.9%	-10.6%	1.5%	21.1%	-7.6%	-8.2%	
B2116.54	B2116	B2117	2904	2908		EB	-	12.5%	15.7%	3.7%	0.4%	2.2%	14.0%	4.7%	3.7%	4.2%	
B2116.55	B2117	A273	8115	8109		EB	-	4.8%	-	11.2%	1.2%	3.2%	1.3%	1.0%	3.0%	4.8%	
B2116.56	A273	B2112	2628	2622		EB	-	0.7%	17.0%	3.3%	1.1%	2.3%	6.0%	20.0%	4.5%	6.6%	
B2116.57	B2112	A273	2622	2628		EB	-	4.8%	-	11.2%	1.2%	3.2%	1.3%	1.0%	3.0%	4.8%	
B2116.52	A281	Partridge Green	3110	3116		WB	-	2.4%	7.1%	19.5%	10.5%	8.3%	10.4%	6.6%	26.9%	21.0%	
B2116.53	B2116	A281	2908	7864		WB	-	3.5%	2.0%	8.1%	12.7%	14.2%	4.7%	7.0%	15.4%	22.0%	
B2116.54	B2117	B2116	2904	2908		WB	-	-1.6%	15.1%	8.1%	1.0%	1.0%	6.8%	15.2%	31.3%		
B2116.55	A273	B2112	2638	2668		WB	-	3.1%	-	7.1%	33.8%	50.7%	10.8%	10.8%	26.2%	77.0%	
B2116.56	B2112	A273	2622	2638		WB	-	4.3%	-	20.9%	8.8%	12.7%	25.5%	26.5%	6.7%	17.2%	
B2116.57	A275	B2112	2698	7872		WB	-	1.3%	-0.5%	2.1%	0.5%	2.5%	0.3%	3.5%	7.7%	9.9%	

Ref.	From	To	SATURN Node List			Direction	Base Year	2021					2031				
			A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2112.60	A273	B2116	2746	2778		NB	-	6.8%	28.1%	-0.4%	6.3%	-15.0%	3.4%	32.9%	6.2%	0.2%	
B2112.61	B2116	B2113	7722	2904		NB	-	1.4%	11.0%	0.2%	0.2%	0.2%	1.3%	8.7%	9.4%		
B2112.62	B2113	A272	7724	3316		NB	-	-0.5%	19.9%	3.1%	1.2%	1.0%	-0.5%	1.9%	1.9%		
B2112.63	B2113	A272	7726	3316		NB	-	-0.4%	18.1%	3.1%	1.2%	1.0%	-0.4%	1.9%	1.9%		
B2112.60	B2113	B2116	3004	7722		SB	-	4.3%	13.2%	8.0%	4.2%	4.1%	-1.4%	17.5%	11.0%		
B2112.60	A272	B2113	3316	7724		SB	-	0.2%	35.0%	3.2%	1.5%	3.4%	0.5%	37.2%	8.4%		

Ref.	From	To	SATURN Node List			Direction	Base Year	2021					2031				
			A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2117.61	A281	B2116	2752	2790		NB	-	15.3%	4.9%	7.6%	1.6%	0.3%	15.6%	15.5%	6.4%	5.1%	
B2117.62	B2116	B2118	7890	2908		NB	-	13.2%	6.2%	7.6%	1.6%	0.3%	13.3%	8.4%	5.1%		
B2117.63	B2118	A281	2790	2752		SB	-	8.1%	10.0%	14.2%	2.6%	37.0%	2.6%	15.6%	15.6%		
B2117.64	B2116	A281	2790	2752		SB	-	7.1%	14.0%	4.1%	2.6%	6.3%	12.1%	18.0%			

Ref.	From	To	SATURN Node List			Direction	Base Year	2021					2031				
			A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2118.63	B2117	B2116	2790	2898		NB	-	2.3%	-41.2%	6.1%	3.1%	1.9%	4.0%	-37.2%	-3.4%	-13.0%	
B2118.63	B2116	B2117	2898	2790		SB	-	0.2%	16.5%	4.0%	1.8%	1.4%	1.0%	11.8%	12.4%		
B2118.64	A23	B2116	2984	2938		SB	-	0.0%	17.0%	4.1%	2.8%	3.2%	2.8%	14.9%	9.7%		

Ref.	From	To	SATURN Node List			Direction	Base Year	2021					2031				
			A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2036.65	A273	B2036	3076	7738		NB	-	0.1%	13.2%	43.2%	42.9%	28.0%	0.6%	17.0%	42.4%		
B2036.66	Cuckfield	B2110	3714	3940		NB	-	-12.8%	12.2%	8.1%	1.0%	0.6%	4.0%	1.0%	10.0%		
B2036.67	B2110	M23 Jct 10A	4248	4390		NB	-	2.1%	2.1%	1.4%	0.3%	0.3%	2.5%	11.5%			
B2036.65	A272	B2036	3718	4378		SB	-	8.4%	4.4%	-5.3%	-17.0%	-23.9%	11.2%	8.1%	8.1%		
B2036.66	B2110	Cuckfield	3940	3714		SB	-	8.9%	7.3%	3.3%	3.4%	0.4%	12.5%	8.1%			
B2036.67	M23 Jct 10A	B2110	4390	4248		SB	-	-7.8%	-20.1%	1.1%	3.1%	3.2%	-14.3%	115.0%			

Ref.	From	To	SATURN Node List			Direction	Base Year	2021					2031				
			A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2028.68	Haywards Heath	B2110	3904	4332		NB	-	-4.7%	19.5%	16.1%	13.5%	15.4%	-3.2%	9.1%	28.4%		
B2028.69	B2110	A284	4760	7780		NB	-	-2.5%	19.3%	3.2%	1.9%	3.1%	4.4%	61.1%	5.1%		
B2028.70	B2028	A22	4264	2916		NB	-	1.0%	1.0%	0.3%	0.3%	0.3%	1.1%	1.1%			
B2028.70	B2110	Haywards Heath	4332	3904		SB	-	-17.2%	23.3%	8.2%	2.1%	2.0%	-16.9%	28.2%			
B2028.69	A22	B2028	2916	4264		SB	-	12.0%	11.0%	1.2%	1.1%	1.1%	12.0%	11.0%			
B2028.70	A22	B2037	5016	4924		SB	-	1.3%	11.2%	1.3%	1.0%	1.4%	-0.9%	20.9%			

Ref.	From	To	SATURN Node List			Direction	Base Year	2021					2031				
			A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2037.71	B2036	B2028	4940	4924		EB	-	1.3%	5.4%	7.3%	0.4%	-0.8%	0.5%	8.3%	6.6%		
B2037.71	B2028	B2036	4924	4940		WB	-	20.3%	84.0%	5.1%	0.5%	8.4%	58.9%	71.1%			

Ref.	From	To	SATURN Node List			Direction	Base Year	2021					2031				
			A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B210.72	A281	B2115	3756	7824		NB	-	6.8%	1.0%	0.2%	0.2%	0.2%	1.1%	1.1%			
B210.73	B2115	A23	3830	3886		NB	-	8.2%	-13.0%	-0.2%	0.2%	0.0%	4.8%	7.2%			
B210.74	A23	B2036	4012	4206		NB	-	12.5%	1.0%	2.3%	0.5%	0.5%	11.2%	12.0%			
B210.75	B2036	B2028	7784	7784		NB	-	1.0%	7.3%	1.0%	0.5%	0.5%	11.0%	25.4%			
B210.76	B2028	East Greenstead	7768	4882		NB	-	5.6%	35.1%	12.3%	12.5%	11.9%	10.7%	14.2%			
B210.75	B2115	A23	3830	3886		SB	-	-14.0%	37.2%	6.2%	7.3%	1.1%	-21.3%	48.3%			
B210.74	B2028	West Street	7768	4882		SB	-	1.0%	1.0%	0.3%	0.3%	0.3%	1.1%	1.1%			
B210.75	B2028	B2036	7784	4248		SB	-	7.7%	1.1%	0.5%	0.4%	1.1%	8				

JRTC26		B212	Janet Lane	3248	3200		SB	-	4.0%	16.7%	15.4%	-4.9%	-4.2%	5.6%	14.5%	78.0%	-0.2%	7.1%		
SA1038 Nodes List																				
Ref.	Link	From	To	A-Node	B-Node	C-Node	Direction	Base Year	2021						2031					
									Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3		
<b>Westwards</b>																				
B208 TC27	Broadway Court	Sydney Road	3498	3558			NB	-	-	-	-	-	-	-	-	-	-	-	-	
B208 TC28	Sydney Road	B2112	3558	3566			NB	-	1.7%	25.5%	24.4%	16.1%	14.5%	4.1%	24.1%	30.3%	33.1%	22.8%		
B208 TC29	B2112	Summers Lane	3566	3574			NB	-	-	-	-	-	-	-	-	-	-	-	-	
B208 TC30	Summers Lane	B2111	3574	3596			NB	-	1.1%	14.5%	12.3%	9.0%	1.1%	11.1%	14.4%	20.0%	20.8%	8.0%		
B208 TC31	Sydney Road	Broadway Court	3558	3498			SB	-	-	-	-	-	-	-	-	-	-	-	-	
B208 TC32	Sydney Road	B2112	3558	3566			SB	-	10.3%	9.6%	4.3%	0.1%	4.1%	10.2%	9.4%	3.3%	10.0%	1.6%		
B208 TC33	B2112	Summers Lane	3574	3566			SB	-	27.2%	4.8%	14.0%	23.3%	7.0%	12.7%	12.8%	20.8%	15.2%	25.1%		
B208 TC30	Summers Lane	B2111	3596	3574			SB	-	27.0%	8.0%	10.0%	11.2%	4.1%	37.2%	13.3%	24.2%	37.4%	21.3%		
<b>Eastwards</b>																				
B2112 TC31	Church Road	B2028	7750	3566			NB	-	-1.5%	-4.1%	1.5%	4.9%	7.2%	-0.4%	6.5%	11.2%	21.1%	19.7%		
B2112 TC32	Church Road	A272	3468	3476			NB	-	1.3%	41.2%	37.1%	11.1%	14.5%	1.3%	40.5%	14.3%	35.4%	27.2%		
B2112 TC31	B2028	Church Road	3566	7750			SB	-	15.1%	-42.0%	27.1%	11.6%	12.9%	15.8%	20.2%	24.0%	15.5%	16.0%		
B2112 TC32	A272	Church Road	3476	3458			SB	-	7.1%	-14.8%	11.0%	1.5%	6.9%	6.8%	-13.9%	8.7%	8.7%	6.0%		
<b>Northwards</b>																				
PR TC33	A272	Market Place	3494	7754			NB	-	1.4%	1.3%	16.7%	13.3%	13.5%	1.8%	4.0%	19.8%	16.6%	18.7%		
PR TC33	Market Place	A272	7754	3494			SB	-	25.7%	-10.7%	15.1%	13.3%	10.2%	35.7%	14.5%	27.4%	48.1%	25.7%		
<b>Southwards</b>																				
CR TC34	A272	B2112	3468	3484			EB	-	1.7%	100.0%	-17.2%	0.1%	-4.3%	-0.2%	100.0%	22.3%	-18.2%	-16.9%		
CR TC34	B2112	A272	3484	3468			WB	-	0.2%	92.0%	8.4%	14.7%	3.1%	9.2%	92.0%	20.1%	24.6%	24.2%		
<b>Westwards</b>																				
CR TC35	Sydney Road	College Road	3558	7756			NB	-	1.5%	12.4%	16.4%	14.0%	3.9%	8.2%	11.0%	4.7%	1.0%	4.6%		
CR TC35	College Road	Sydney Road	7756	3558			SB	-	12.4%	-12.6%	12.2%	1.2%	6.1%	13.6%	-11.7%	14.3%	15.2%	12.7%		
<b>Eastwards</b>																				
CR TC36	B2028	Gander Hill	3574	3598			NB	-	15.3%	26.9%	42.2%	38.2%	47.0%	-7.1%	20.6%	75.6%	80.2%	50.0%		
CR TC36	Gander Hill	B2028	3598	3574			SB	-	25.4%	-7.7%	61.9%	31.7%	49.6%	30.3%	-5.7%	78.0%	23.2%	72.1%		

SA1038 Nodes List																				
Ref.	Link	From	To	A-Node	B-Node	C-Node	Direction	Base Year	2021						2031					
									Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3		
<b>Westwards</b>																				
A22 TC37	Station Road	A264	7113	4794			SB	-	-1.4%	13.0%	-0.3%	0.2%	-2.6%	-1.4%	15.0%	0.5%	-2.0%	-2.1%		
A22 TC38	A264	London Road	4794	4782			SB	-	-8.0%	14.1%	0.0%	-2.7%	-3.7%	-1.2%	14.9%	1.0%	-1.2%	-1.2%		
A22 TC39	London Road	B2110	7111	4772			SB	-	-8.0%	17.0%	-0.1%	1.1%	-	-	11.3%	-1.0%	-1.1%	-0.9%		
A22 TC40	London Road	B2110	-	-			SB	-	-	-	-	-	-	-	-	-	-	-		
A22 TC41	B2110	London Road	-	-			SB	-	-	-	-	-	-	-	-	-	-	-		
A22 TC37	A264	Station Road	-	-			NB	-	-	-	-	-	-	-	-	-	-	-		
A22 TC38	London Road	A264	-	-			NB	-	-	-	-	-	-	-	-	-	-	-		
A22 TC39	B2110	London Road	4772	7111			NB	-	0.0%	-	100.0%	0.0%	0.0%	0.0%	-	-50.0%	-50.0%	0.0%		
A22 TC40	B2110	London Road	7112	7115			NB	-	7.2%	10.0%	0.3%	0.3%	2.1%	0.0%	10.4%	0.0%	0.7%	0.4%		
A22 TC41	London Road	B2110	7114	7113			NB	-	1.2%	92.0%	8.4%	14.7%	3.1%	9.2%	92.0%	20.1%	24.6%	24.2%		
<b>Eastwards</b>																				
A22 TC42	A22	B2110	4794	4832			NB	-	0.1%	11.4%	-0.3%	-0.4%	-0.9%	0.8%	13.4%	-1.5%	-1.2%	-1.0%		
A22 TC42	B2110	A22	4832	4794			SB	-	-1.1%	10.1%	-0.1%	-0.7%	-0.3%	0.9%	1.8%	1.8%	1.2%	1.3%		
<b>Northwards</b>																				
A22 TC43	A264	Estons Drive	4832	4780			SB	-	-5.9%	12.0%	0.5%	-4.9%	-4.9%	-6.1%	14.2%	1.0%	-4.0%	-3.9%		
A22 TC44	Estons Drive	Leaves Road	4780	4738			SB	-	-10.2%	17.8%	1.0%	-4.1%	-4.5%	-3.8%	9.7%	2.4%	-3.2%	-3.2%		
A22 TC45	A22	College Lane	4738	4738			WB	-	-0.6%	13.5%	1.3%	1.1%	-2.4%	0.1%	15.7%	1.5%	1.3%	1.1%		
A22 TC46	College Lane	London Road	4738	4742			WB	-	1.5%	11.0%	1.3%	2.0%	-2.1%	-4.3%	12.7%	2.2%	-0.2%	-0.9%		
A22 TC47	London Road	Brooklands Way	4744	7972			SB	-	-8.5%	33.0%	1.1%	4.7%	-5.4%	-4.1%	27.4%	2.1%	-5.1%	-5.1%		
A22 TC43	Estons Drive	A264	4780	4832			NB	-	1.3%	-0.5%	-0.9%	-1.0%	-2.0%	1.9%	-0.1%	-0.3%	-1.0%	-0.4%		
A22 TC44	Leaves Road	Estons Drive	4738	4780			NB	-	1.2%	13.5%	1.1%	4.3%	-3.4%	0.2%	10.5%	4.4%	-4.4%	-4.4%		
A22 TC45	College Lane	A22	4738	4738			EB	-	-1.0%	10.2%	1.0%	-4.4%	-4.7%	0.0%	13.5%	0.5%	-8.8%	-8.4%		
A22 TC46	London Road	College Lane	4742	4738			EB	-	0.0%	8.2%	0.5%	1.0%	-1.3%	0.0%	10.1%	0.1%	6.0%	5.1%		
A22 TC47	Brooklands Way	London Road	7972	4744			EB	-	-1.3%	8.5%	0.3%	1.0%	-4.0%	0.1%	13.2%	0.3%	-5.8%	-7.6%		



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**A.6. Strategic and Non-Strategic Modelled Link Flows (East of Kingsway Contribution)**

CO03022422 Mid Sussex Transport Study - Strategic and Non Strategic Modelled Link Flows (East of Kingsway Contribution AM Peak)

Strategic Links (Motorway and Trunk Routes)

M23																
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031				
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
M23.11	Jct 11	Jct 10A	4294	4454		NB	-	-	0	1	0	-	-	0	0	0
M23.12	Jct 10A	Jct 10	4454	4770		NB	-	-	1	1	1	-	-	3	2	2
M23.13	Jct 10	Jct 9	7318	4946		NB	-	-	1	1	1	-	-	2	2	2
M23.11	Jct 10A	Jct 11	4434	4292		SB	-	-	0	0	0	-	-	0	0	0
M23.12	Jct 10	Jct 10A	4776	4434		SB	-	-	1	0	0	-	-	1	1	1
M23.13	Jct 9	Jct 10	4948	4858		SB	-	-	0	0	0	-	-	1	0	0

A23																
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031				
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A23.1	A27	A273	2542	2578		NB	-	-	2	2	2	-	-	5	4	4
A23.2	A273	A281	2658	2672		NB	-	-	1	1	1	-	-	1	2	1
A23.3	A281	B2117	2684	2774		NB	-	-	0	0	0	-	-	0	0	0
A23.4	B2117	B2118	7325	7337		NB	-	-	0	0	0	-	-	0	0	0
A23.5	B2118	A2300	7337	7324		NB	-	-	0	0	0	-	-	0	0	0
A23.6	A2300	A272	3296	3346		NB	-	-	0	0	0	-	-	0	0	0
A23.7	A272	B2115	3600	3658		NB	-	-	9	10	8	-	-	13	14	11
A23.8	B2115	B2110	3680	3878		NB	-	-	8	9	7	-	-	12	13	10
A23.9	B2110	M23	3884	4202		NB	-	-	6	7	6	-	-	11	10	9
A23.10	M23	A2004	4276	4366		NB	-	-	1	1	1	-	-	2	2	1
A23.1	A273	A27	2580	2542		SB	-	-	25	23	23	-	-	47	44	44
A23.2	A281	A273	2670	2664		SB	-	-	0	0	0	-	-	1	1	0
A23.3	B2117	A281	2798	2970		SB	-	-	0	0	0	-	-	0	0	0
A23.4	B2118	B2117	3108	2798		SB	-	-	0	0	0	-	-	0	0	0
A23.5	A2300	B2118	3166	3108		SB	-	-	2	2	1	-	-	4	2	2
A23.6	A272	A2300	3326	3242		SB	-	-	2	2	4	-	-	6	3	4
A23.7	B2115	A272	3638	3516		SB	-	-	2	2	2	-	-	3	3	4
A23.8	B2110	B2115	3872	3664		SB	-	-	1	2	2	-	-	3	3	3
A23.9	M23	B2110	4178	4110		SB	-	-	1	1	1	-	-	1	2	2
A23.10	A2004	M23	4372	4280		SB	-	-	1	1	1	-	-	1	1	1

A27																
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031				
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A27.81	A2025	A283	2080	7373		EB	-	-	1	1	1	-	-	3	3	3
A27.82	A283	A23	2254	2256		EB	-	-	2	2	2	-	-	4	3	3
A27.83	A23	A277	2484	2538		EB	-	-	0	0	0	-	-	0	0	0
A27.84	A277	A26	2538	2528		EB	-	-	0	0	0	-	-	0	0	0
A27.81	A283	A2025	7372	7384		WB	-	-	17	16	16	-	-	31	30	29
A27.82	A23	A283	2250	2248		WB	-	-	21	19	19	-	-	38	36	35
A27.83	A277	A23	2538	2484		WB	-	-	0	0	0	-	-	0	0	0
A27.84	A26	A277	2528	2538		WB	-	-	0	0	0	-	-	0	0	0

Strategic Links (Other A Roads)

A264																
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031				
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A264.14	M23	A2220	4816	7364		EB	-	-	0	0	0	-	-	0	0	0
A264.15	A2220	B2028	4864	7104		EB	-	-	0	0	0	-	-	0	0	0
A264.16	B2028	B2037	7106	4910		EB	-	-	0	0	0	-	-	0	0	0
A264.17	B2037	A2220	7350	4892		EB	-	-	0	0	0	-	-	0	0	0
A264.14	A2220	M23	7364	4816		WB	-	-	0	0	0	-	-	0	0	0
A264.15	B2028	A2220	7104	4864		WB	-	-	0	0	0	-	-	1	1	1
A264.16	B2037	B2028	4810	7106		WB	-	-	0	0	0	-	-	0	0	0
A264.17	A2220	B2037	4892	7350		WB	-	-	0	0	0	-	-	0	0	0

A22 (B2028 to East Grinstead)																
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031				
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A22.18	B2028	A264	4892	5016		NB	-	-	0	0	0	-	-	1	1	1
A22.19	A264	East Grinstead	4848	4876		NB	-	-	0	0	0	-	-	0	0	0
A22.18	A264	B2028	5016	4892		SB	-	-	0	0	0	-	-	0	0	0
A22.19	East Grinstead	A264	4876	4848		SB	-	-	0	0	0	-	-	0	0	0

A22 (East Grinstead to Raven Wood)																
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031				
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A22.20	East Grinstead	A275	4114	4348		NB	-	-	2	2	2	-	-	4	3	3
A22.21	A275	Raven Wood	8131	4086		NB	-	-	0	0	0	-	-	0	0	0
A22.20	A275	East Grinstead	4348	4114		SB	-	-	0	0	0	-	-	1	1	1
A22.21	Raven Wood	A275	4096	8131		SB	-	-	0	0	0	-	-	0	0	0

A2300																
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031				
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A2300.22	A23	A273	3236	8111		EB	-	-	3	3	5	-	-	8	5	5
A2300.22	A273	A23	8111	3236		WB	-	-	7	5	5	-	-	11	6	5

A272																
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031				
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A272.23	A24	A281	3388	3380		EB	-	-	2	2	2	-	-	3	3	3
A272.24	A281	A23	3380	3350		EB	-	-	2	2	2	-	-	3	3	3
A272.25	A23	B2036	3336	3412		EB	-	-	2	2	0	-	-	0	4	3
A272.26	B2036	B2036	3450	3502		EB	-	-	0	0	0	-	-	0	0	0
A272.27	B2036	B2184	3502	3512		EB	-	-	0	0	0	-	-	0	0	0
A272.28	B2184	A273	3512	3492		EB	-	-	2	1	1	-	-	3	3	3
A272.29	A273	B2028	3482	3494		EB	-	-	2	2	2	-	-	13	13	8
A272.30	B2028	B2112	3488	3458		EB	-	-	0	0	0	-	-	0	0	0
A272.31	B2112	B2111	3436	3462		EB	-	-	2	2	2	-	-	2	2	2
A272.32	B2111	A275	3424	3310		EB	-	-	0	0	0	-	-	0	0	0
A272.33	A275	Newick	3252	3250		EB	-	-	3	3	3	-	-	6	6	6
A272.91	Frankton Ave	HH Relief Rd	3426	9109		EB	-	-	0	0	0	-	-	0	0	0
A272.23	A281	A24	3380	3388		WB	-	-	8	8	7	-	-	13	12	11
A272.24	A23	A281	3350	3382		WB	-	-	11	12	9	-	-	17	17	15
A272.25	B2036	A23	3412	3336		WB	-	-	21	22	17	-	-	31	33	27
A272.26	B2036	B2036	3502	3450		WB	-	-	0	0	0	-	-	0	0	0
A272.27	B2184	B2036	3512	3502		WB	-	-	0	0	0	-	-	0	0	0
A272.28	A273	B2184	3492	3512		WB	-	-	7	5	6	-	-	19	12	14
A272.29	B2028	A273	3494	3482		WB	-	-	0	0	0	-	-	0	0	0
A272.30	B2112	B2028	3458	3488		WB	-	-	0	0	0	-	-	0	0	0
A272.31	B2111	B2112	3462	3												

Ref.	From	To	A-Node	B-Node	C-Node	Direction	Base Year	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A2073.34	A283	A281	2612	2646		NB	-	-	-	0	0	0	-	-	0	0	0
A2073.34	A281	A283	2646	2612		SB	-	-	-	2	2	3	-	-	5	4	5

A281																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A281.35	A23	B2117	2662	2752		NB	-	-	-	0	0	0	-	-	0	0	0
A281.36	B2117	A2073	2752	2758		NB	-	-	-	3	3	4	-	-	7	6	7
A281.37	A2073	B2116	2874	2948		NB	-	-	-	0	0	0	-	-	0	0	0
A281.38	B2116	B2116	3002	3110		NB	-	-	-	1	0	1	-	-	3	1	2
A281.39	B2116	A272	3142	3203		NB	-	-	-	0	0	0	-	-	0	0	0
A281.40	A272	B2110	3554	3684		NB	-	-	-	2	2	2	-	-	2	3	3
A281.41	B2110	B2115	3684	3728		NB	-	-	-	2	2	2	-	-	2	3	3
A281.42	B2115	Monks Gate	3728	3748		NB	-	-	-	2	2	2	-	-	3	3	3
A281.35	B2117	A23	2752	2662		SB	-	-	-	0	0	0	-	-	0	0	0
A281.36	A2073	B2117	2758	2752		SB	-	-	-	0	0	0	-	-	0	0	1
A281.37	B2116	A2073	2948	2874		SB	-	-	-	0	0	0	-	-	0	0	0
A281.38	B2116	B2116	3110	3002		SB	-	-	-	0	0	0	-	-	0	0	0
A281.39	A272	B2116	3318	3142		SB	-	-	-	0	1	0	-	-	0	1	0
A281.40	B2110	A272	3684	3554		SB	-	-	-	0	0	0	-	-	0	0	0
A281.41	B2115	B2110	3728	3684		SB	-	-	-	0	0	0	-	-	0	0	0
A281.42	Monks Gate	B2115	3748	3728		SB	-	-	-	0	0	0	-	-	0	1	1

A264																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A264.58	East Grinstead	B2026	4880	4870		EB	-	-	-	0	0	0	-	-	0	0	0
A264.58	B2026	East Grinstead	4870	4880		WB	-	-	-	1	1	1	-	-	1	1	1

A273																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A273.43	A23	B2112	2656	2746		NB	-	-	-	3	3	2	-	-	6	5	4
A273.44	B2112	B2116	2746	2814		NB	-	-	-	0	0	0	-	-	0	0	0
A273.45	B2116	B2036	2974	2974		NB	-	-	-	0	0	0	-	-	0	0	0
A273.46	B2036	A2300	3128	3164		NB	-	-	-	0	0	0	-	-	0	0	1
A273.47	A2300	B2036	3202	3226		NB	-	-	-	3	0	0	-	-	9	0	0
A273.48	B2036	A272	3418	3418		NB	-	-	-	0	0	0	-	-	0	0	0
A273.97	Keymer Rd	A273	3006	3006		NB	-	-	-	-	-	32	-	-	-	-	64
A273.43	B2112	A23	2746	2656		SB	-	-	-	26	24	24	-	-	48	46	45
A273.44	B2116	B2112	2814	2746		SB	-	-	-	1	1	24	-	-	1	1	44
A273.45	B2036	B2116	2974	2716		SB	-	-	-	6	6	31	-	-	14	15	60
A273.46	A2300	B2036	3164	3128		SB	-	-	-	0	0	0	-	-	0	0	0
A273.47	B2036	A2300	3226	3202		SB	-	-	-	10	0	0	-	-	23	0	0
A273.48	A272	B2036	3418	7740		SB	-	-	-	0	0	0	-	-	0	0	0
A273.97	A273	Keymer Rd	3006	3020		SB	-	-	-	-	-	1	-	-	-	-	2

A275																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A275.49	Lewes	B2116	2604	2666		NB	-	-	-	0	0	0	-	-	0	0	0
A275.50	B2116	A272	7369	3212		NB	-	-	-	6	6	6	-	-	14	14	13
A275.51	A272	A22	3322	3570		NB	-	-	-	2	2	2	-	-	5	5	5
A275.49	B2116	Lewes	2666	2604		SB	-	-	-	2	2	2	-	-	4	4	3
A275.50	A272	B2116	3212	7369		SB	-	-	-	0	0	0	-	-	0	0	0
A275.51	A22	A272	3570	3322		SB	-	-	-	0	1	1	-	-	1	1	1

A277																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A277.87	A27	A275	2538	2552		NB	-	-	-	0	0	0	-	-	0	0	0
A277.88	A275	A26	2558	2564		NB	-	-	-	1	1	1	-	-	2	2	2
A277.87	A275	A27	2552	2538		SB	-	-	-	0	0	0	-	-	0	0	0
A277.88	A26	A275	2564	2558		SB	-	-	-	0	0	0	-	-	0	0	0

A2220																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A2220.89	B2036	A264	4716	7368		NB	-	-	-	0	0	0	-	-	0	0	0
A2220.89	A264	B2036	7368	4716		SB	-	-	-	0	0	0	-	-	0	0	0

Northern Arc Spine Rd																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
LR.95	A273	B2036	8109	8115		WB	-	-	-	-	31	27	-	-	-	56	50
LR.96	B2036	A2300	8114	8113		WB	-	-	-	-	8	8	-	-	-	17	16
LR.94	A273	Leylands Rd	8117	9963		EB	-	-	-	-	6	6	-	-	-	13	12
LR.95	B2036	A273	8115	8109		EB	-	-	-	-	5	5	-	-	-	11	10
LR.96	A2300	B2036	8113	8114		EB	-	-	-	-	3	5	-	-	-	5	5

Haywards Heath Relief Rd																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
HH.92	A273	B2112	3448	9108		EB	-	-	-	3	2	2	-	-	5	4	4
HH.93	B2112	A272	9111	9110		EB	-	-	-	2	2	2	-	-	2	2	2
HH.92	B2112	A273	9108	3448		WB	-	-	-	11	9	10	-	-	35	29	26
HH.93	A272	B2112	9110	9111		WB	-	-	-	0	0	0	-	-	1	1	1

**Non Strategic Links (B Roads)**

B2116																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2116.52	Partridge Green	A281	3116	3110		EB	-	-	-	0	0	0	-	-	0	0	0
B2116.53	A281	B2118	7964	2938		EB	-	-	-	0	0	0	-	-	0	0	0
B2116.54	B2118	B2117	2934	2908		EB	-	-	-	0	0	0	-	-	0	0	0
B2116.55	B2117	A273	2866	2838		EB	-	-	-	0	0	0	-	-	0	0	0
B2116.56	A273	B2112	2828	2822		EB	-	-	-	0	0	0	-	-	0	0	0
B2116.57	B2112	A275	7872	2698		EB	-	-	-	2	2	2	-	-	3	3	3
B2116.52	A281	Partridge Green	3110	3116		WB	-	-	-	1	1	1	-	-	2	2	2
B2116.53	B2118	A281	2938	7964		WB	-	-	-	1	1	1	-	-	2	3	4
B2116.54	B2117	B2118	2908	2934		WB	-	-	-	0	0	1	-	-	0	3	4
B2116.55	A273	B2117	2838	2866		WB	-	-	-	4	4	6	-	-	11	12	12
B2116.56	B2112	A273	2822	2828		WB	-	-	-	0	0	0	-	-	0	0	0
B2116.57	A275	B2112	2698	7872		WB	-	-	-	0	0	0	-	-	1	0	0

B2112																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2112.59	A273	B2116	2746	2774		NB	-	-	-	3	3	2	-	-	6	5	4
B2112.60	B2116	B2113	7722	3004		NB	-	-	-	0	0	1	-	-	0	0	2
B2112.90	B2113	A272	7724	3316		NB	-	-	-	0	0	0	-	-	0	0	0
B2112.59	B2116	A273	2778	2746		SB	-	-	-	26	23	0	-	-	47	45	1
B2112.60	B2113	B2116	3004	7722		SB	-	-	-	6	6	6	-	-	12	12	11
B2112.90	A272	B2113	3316	7724		SB	-	-	-	0	0	0	-	-	0	0	0

B2117																	
Ref.	Link			SATURN Node List			Direction	Base Year	20								



B2117.62	B2118	B2116	7690	2908		NB	-	-	-	0	0	0	-	-	0	0	1
B2117.61	B2118	A281	2790	2752		SB	-	-	-	3	3	4	-	-	7	6	7
B2117.62	B2116	B2118	2908	7690		SB	-	-	-	4	3	4	-	-	9	8	8

B2118																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2118.63	B2117	B2116	2790	2998		NB	-	-	-	0	0	0	-	-	0	0	0
B2118.64	B2116	A23	2938	2984		NB	-	-	-	0	0	0	-	-	0	0	0
B2118.63	B2116	B2117	2898	2790		SB	-	-	-	0	0	0	-	-	0	0	0
B2118.64	A23	B2116	2984	2938		SB	-	-	-	1	1	0	-	-	1	0	0

B2036																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2036.65	A273	A272	3278	7738		NB	-	-	-	22	23	19	-	-	34	37	32
B2036.66	Cuckfield	B2110	3714	3940		NB	-	-	-	3	1	3	-	-	6	5	5
B2036.67	B2110	M23 Jct 10A	4248	4390		NB	-	-	-	2	1	2	-	-	5	4	4
B2036.65	A272	A273	7738	3278		SB	-	-	-	2	2	0	-	-	0	4	3
B2036.66	B2110	Cuckfield	3940	3714		SB	-	-	-	1	1	1	-	-	2	1	1
B2036.67	M23 Jct 10A	B2110	4390	4248		SB	-	-	-	1	1	1	-	-	1	1	1

B2028																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2028.68	Haywards Heath	B2110	3904	4322		NB	-	-	-	5	4	4	-	-	9	8	8
B2028.69	B2110	A264	4760	7780		NB	-	-	-	1	1	1	-	-	2	2	2
B2028.70	B2037	A22	4924	5016		NB	-	-	-	0	0	0	-	-	0	0	0
B2028.68	B2110	Haywards Heath	4322	3904		SB	-	-	-	1	1	1	-	-	1	1	1
B2028.69	A264	B2110	7780	4760		SB	-	-	-	0	0	0	-	-	0	0	0
B2028.70	A22	B2037	5016	4924		SB	-	-	-	0	0	0	-	-	0	0	0

B2037																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2037.71	B2036	B2028	4940	4924		EB	-	-	-	0	0	0	-	-	0	0	0
B2037.71	B2028	B2036	4924	4940		WB	-	-	-	0	0	0	-	-	0	0	0

B2110																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2110.72	A281	B2115	3756	7824		NB	-	-	-	0	0	0	-	-	0	0	0
B2110.73	A23	A23	3830	3886		NB	-	-	-	0	0	0	-	-	0	0	0
B2110.74	A23	B2036	4012	4206		NB	-	-	-	0	0	0	-	-	0	0	0
B2110.75	B2036	B2028	4248	7784		NB	-	-	-	0	0	0	-	-	1	1	1
B2110.76	B2028	East Grinstead	7768	4582		NB	-	-	-	2	2	2	-	-	4	4	4
B2110.72	B2115	A281	7824	3756		SB	-	-	-	0	0	0	-	-	1	0	0
B2110.73	A23	B2115	3886	3830		SB	-	-	-	1	1	1	-	-	0	1	0
B2110.74	B2036	A23	4206	4012		SB	-	-	-	0	0	0	-	-	0	0	0
B2110.75	B2028	B2036	7784	4248		SB	-	-	-	0	0	0	-	-	0	0	0
B2110.76	East Grinstead	B2028	4582	7768		SB	-	-	-	0	0	0	-	-	0	0	0

B2114																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2114.77	B2110	B2115	3774	3796		NB	-	-	-	1	1	1	-	-	4	1	3
B2114.77	B2115	B2110	3796	3774		SB	-	-	-	0	0	0	-	-	1	0	0

B2115																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2115.78	B2110	A23	3788	3670		EB	-	-	-	0	0	0	-	-	1	0	1
B2115.79	A23	B2114	7790	3662		EB	-	-	-	0	0	0	-	-	0	0	0
B2115.80	B2114	Cuckfield	3662	3620		EB	-	-	-	0	0	0	-	-	1	0	0
B2115.78	A23	B2110	3670	3788		WB	-	-	-	1	1	0	-	-	2	1	1
B2115.79	B2114	A23	3662	7790		WB	-	-	-	1	1	1	-	-	3	1	2
B2115.80	Cuckfield	B2114	3620	3662		WB	-	-	-	2	1	1	-	-	7	3	5

**Town Centre Links**

Burgess Hill																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
<b>A273</b>																	
A273.TC01	B2036	Charles Avenue	3000	3026		NB	-	-	-	0	0	0	-	-	0	1	3
A273.TC02	Charles Avenue	York Road	3026	3074		NB	-	-	-	0	0	0	-	-	0	1	3
A273.TC03	York Road	Malthouse Lane	3074	3128		NB	-	-	-	0	0	0	-	-	0	1	3
A273.TC04	Malthouse Lane	A2300	3164	3188		NB	-	-	-	0	0	0	-	-	0	0	1
A273.TC05	A2300	Sussex Way	3188	3202		NB	-	-	-	3	0	0	-	-	9	0	0
A273.TC06	Sussex Way	B2036	3202	3226		NB	-	-	-	3	0	0	-	-	9	0	0
A273.TC01	Charles Avenue	B2036	3026	3000		SB	-	-	-	0	0	0	-	-	0	0	1
A273.TC02	York Road	Charles Avenue	3074	3026		SB	-	-	-	0	0	0	-	-	0	0	1
A273.TC03	Malthouse Lane	York Road	3128	3074		SB	-	-	-	0	0	0	-	-	0	0	1
A273.TC04	A2300	Malthouse Lane	3188	3164		SB	-	-	-	0	0	0	-	-	0	0	0
A273.TC05	Sussex Way	A2300	3202	3188		SB	-	-	-	10	0	0	-	-	23	0	0
A273.TC06	B2036	Sussex Way	3226	3202		SB	-	-	-	10	0	0	-	-	23	0	0
<b>B2036</b>																	
32036.TC01	A273	B2113	7730	3078		NB	-	-	-	1	1	0	-	-	1	1	0
32036.TC02	B2113	Victoria Way	3078	3086		NB	-	-	-	1	2	2	-	-	3	5	5
32036.TC03	Victoria Way	Royal George Road	3086	3102		NB	-	-	-	0	1	1	-	-	0	2	2
32036.TC10	toyal George Road	West Street	3102	3150		NB	-	-	-	0	0	0	-	-	0	0	0
32036.TC11	West Street	Leylands Road	3150	3158		NB	-	-	-	0	0	0	-	-	1	0	0
32036.TC12	B2113	A273	3078	7730		SB	-	-	-	8	8	1	-	-	19	20	3
32036.TC01	Victoria Way	B2113	3086	3078		SB	-	-	-	0	0	0	-	-	0	0	0
32036.TC02	toyal George Road	Victoria Way	3102	3086		SB	-	-	-	0	0	0	-	-	0	0	0
32036.TC03	West Street	Royal George Road	3150	3102		SB	-	-	-	0	0	0	-	-	0	0	0
32036.TC10	Leylands Road	West Street	3158	3150		SB	-	-	-	1	0	0	-	-	3	0	0
32036.TC11	A273	B2113	7730	3078		SB	-	-	-	1	1	0	-	-	1	1	0
32036.TC12	B2113	Victoria Way	3078	3086		SB	-	-	-	1	2	2	-	-	3	5	5
<b>B2113</b>																	
32113.TC11	B2036	Civic Way	3078	3082		EB	-	-	-	1	1	0	-	-	1	1	0
32113.TC14	Civic Way	Mill Road	3082	6035		EB	-	-	-	1	1	1	-	-	2	2	1
32113.TC15	Mill Road	Keymer Road	6035	3056		EB	-	-	-	1	1	1	-	-	2	2	1
32113.TC16	Keymer Road	Kingsway	3020	3012		EB	-	-	-	3	3	4	-	-	6	6	7
32113.TC17	Kingsway	B2112	3012	3004		EB	-	-	-	19	18	18	-	-	39	38	37
32113.TC18	Civic Way	B2036	3082	30													

JR.TC25	Janes Lane	Leylands Road	3200	3192			SB	-	-	-	5	4	4	-	-	8	7	7
JR.TC26	B2112	Janes Lane	3248	3200			SB	-	-	-	5	4	4	-	-	8	7	7

**Haywards Heath**

Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031							
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
<b>B2028</b>																		
32028.TC21	Broadway Court	Sydney Road	3498	3558			NB	-	-	-	0	0	0	-	-	0	0	0
32028.TC21	Sydney Road	B2112	3558	3566			NB	-	-	-	0	0	0	-	-	8	9	5
32028.TC21	B2112	Summerhill Lane	3566	3574			NB	-	-	-	8	7	8	-	-	14	13	13
32028.TC31	Summerhill Lane	B2111	3574	3596			NB	-	-	-	2	2	2	-	-	3	3	3
32028.TC21	Sydney Road	Broadway Court	3558	3498			SB	-	-	-	0	0	0	-	-	0	0	0
32028.TC21	Sydney Road	B2112	3566	3558			SB	-	-	-	0	0	0	-	-	0	0	0
32028.TC21	B2112	Summerhill Lane	3574	3566			SB	-	-	-	1	1	1	-	-	2	2	2
32028.TC31	Summerhill Lane	B2111	3596	3574			SB	-	-	-	0	0	0	-	-	1	1	1
<b>B2112</b>																		
32112.TC31	Church Road	B2028	7750	3566			NB	-	-	-	8	7	7	-	-	6	4	9
32112.TC31	Church Road	A272	3458	3476			NB	-	-	-	9	8	8	-	-	8	6	10
32112.TC31	B2028	Church Road	3566	7750			SB	-	-	-	1	1	1	-	-	2	2	2
32112.TC31	A272	Church Road	3476	3458			SB	-	-	-	1	1	1	-	-	2	2	2
<b>Paddockhall Road</b>																		
PR.TC33	A272	Market Place	3494	7754			NB	-	-	-	2	2	2	-	-	12	12	8
PR.TC33	Market Place	A272	7754	3494			SB	-	-	-	0	0	0	-	-	0	0	0
<b>Church Road</b>																		
CR.TC34	A272	B2112	3488	3484			EB	-	-	-	0	0	0	-	-	0	0	0
CR.TC34	B2112	A272	3484	3488			WB	-	-	-	0	0	0	-	-	0	0	0
<b>Mill Green Road</b>																		
CR.TC35	Sydney Road	College Road	3558	7756			NB	-	-	-	1	1	1	-	-	2	1	1
CR.TC35	College Road	Sydney Road	7756	3558			SB	-	-	-	0	0	0	-	-	0	0	0
<b>Summerhill Lane</b>																		
CR.TC36	B2028	Gander Hill	3574	3598			NB	-	-	-	6	6	6	-	-	12	10	10
CR.TC36	Gander Hill	B2028	3598	3574			SB	-	-	-	1	1	1	-	-	1	1	1

**East Grinstead**

Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031							
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
<b>A22</b>																		
A22.TC37	Station Road	A264	7113	4794			SB	-	-	-	0	0	0	-	-	0	0	0
A22.TC38	A264	London Road	4794	4782			SB	-	-	-	0	0	0	-	-	0	0	0
A22.TC39	London Road	B2110	7111	4772			SB	-	-	-	0	0	0	-	-	0	0	0
A22.TC40	London Road	B2110	-	-			SB	-	-	-	-	-	-	-	-	-	-	-
A22.TC41	B2110	London Road	-	-			SB	-	-	-	-	-	-	-	-	-	-	-
A22.TC37	A264	Station Road	-	-			NB	-	-	-	-	-	-	-	-	-	-	-
A22.TC38	London Road	A264	-	-			NB	-	-	-	-	-	-	-	-	-	-	-
A22.TC39	B2110	London Road	4772	7111			NB	-	-	-	0	0	0	-	-	0	0	0
A22.TC40	B2110	London Road	7112	7115			NB	-	-	-	0	0	0	-	-	0	0	0
A22.TC41	London Road	B2110	7114	7113			NB	-	-	-	1	1	1	-	-	2	2	2
<b>A264</b>																		
A22.TC42	A22	B2110	4794	4832			NB	-	-	-	0	0	0	-	-	0	0	0
A22.TC42	B2110	A22	4832	4794			SB	-	-	-	0	0	0	-	-	0	0	0
<b>B2110</b>																		
A22.TC43	A264	Estcots Drive	4832	4780			SB	-	-	-	0	0	0	-	-	0	0	0
A22.TC44	Estcots Drive	Lewes Road	4780	4738			SB	-	-	-	0	0	0	-	-	0	0	0
A22.TC45	A22	College Lane	4738	4738			WB	-	-	-	0	0	0	-	-	0	0	0
A22.TC46	College Lane	London Road	4738	4742			WB	-	-	-	0	0	0	-	-	0	0	0
A22.TC47	London Road	Brooklands Way	4744	7972			WB	-	-	-	0	0	0	-	-	0	0	0
A22.TC43	Estcots Drive	A264	4780	4832			NB	-	-	-	0	0	0	-	-	0	0	0
A22.TC44	Lewes Road	Estcots Drive	4738	4780			NB	-	-	-	0	0	0	-	-	0	0	0
A22.TC45	College Lane	A22	4738	4736			EB	-	-	-	0	0	0	-	-	0	0	0
A22.TC46	London Road	College Lane	4742	4738			EB	-	-	-	0	0	0	-	-	0	0	0
A22.TC47	Brooklands Way	London Road	7972	4744			EB	-	-	-	0	0	0	-	-	0	0	0



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**A.7. Strategic and Non-Strategic Modelled Link Flows (Northern Arc Contribution)**

CO0302422 Mid Sussex Transport Study - Strategic and Non Strategic Modelled Link Flows (Northern Arc Contribution AM Peak)

Strategic Links (Motorway and Trunk Routes)

M23																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
M23.11	Jct 11	Jct 10A	4294	4454		NB	-	-	-	16	16	12	-	-	21	25	3
M23.12	Jct 10A	Jct 10	4454	4770		NB	-	-	-	16	16	12	-	-	29	26	18
M23.13	Jct 10	Jct 9	7318	4946		NB	-	-	-	10	9	8	-	-	17	15	13
M23.11	Jct 10A	Jct 11	4434	4292		SB	-	-	-	2	3	4	-	-	4	6	7
M23.12	Jct 10	Jct 10A	4776	4434		SB	-	-	-	4	3	4	-	-	7	7	7
M23.13	Jct 9	Jct 10	4948	4858		SB	-	-	-	2	2	2	-	-	4	4	4

A23																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A23.1	A27	A273	2542	2578		NB	-	-	-	9	7	7	-	-	16	13	13
A23.2	A273	A281	2658	2672		NB	-	-	-	3	4	4	-	-	6	6	6
A23.3	A281	B2117	2684	2774		NB	-	-	-	3	4	4	-	-	6	6	6
A23.4	B2117	B2118	7325	7337		NB	-	-	-	3	4	4	-	-	6	6	6
A23.5	B2118	A2300	7337	7324		NB	-	-	-	5	5	5	-	-	9	8	8
A23.6	A2300	A272	3296	3346		NB	-	-	-	8	5	18	-	-	23	3	4
A23.7	A272	B2115	3600	3658		NB	-	-	-	102	97	77	-	-	162	154	122
A23.8	B2115	B2110	3680	3878		NB	-	-	-	90	83	71	-	-	145	138	106
A23.9	B2110	M23	3884	4202		NB	-	-	-	73	68	61	-	-	124	116	89
A23.10	M23	A2004	4276	4366		NB	-	-	-	11	10	9	-	-	19	17	16
A23.1	A273	A27	2580	2542		SB	-	-	-	158	140	139	-	-	283	254	248
A23.2	A281	A273	2670	2684		SB	-	-	-	73	82	79	-	-	135	68	47
A23.3	B2117	A281	2798	2670		SB	-	-	-	73	82	79	-	-	135	68	47
A23.4	B2118	B2117	3108	2798		SB	-	-	-	73	82	79	-	-	134	68	47
A23.5	A2300	B2118	3166	3108		SB	-	-	-	94	101	98	-	-	173	98	77
A23.6	A272	A2300	3226	3242		SB	-	-	-	19	29	40	-	-	35	53	57
A23.7	B2115	A272	3638	3516		SB	-	-	-	19	20	22	-	-	38	39	42
A23.8	B2110	B2115	3872	3684		SB	-	-	-	16	17	17	-	-	32	33	33
A23.9	M23	B2110	4178	4110		SB	-	-	-	10	11	11	-	-	18	20	20
A23.10	A2004	M23	4372	4280		SB	-	-	-	7	6	6	-	-	13	12	12

A27																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A27.81	A2025	A283	2080	7373		EB	-	-	-	3	2	3	-	-	5	4	4
A27.82	A283	A23	2254	2256		EB	-	-	-	4	3	3	-	-	7	6	6
A27.83	A23	A277	2484	2538		EB	-	-	-	5	0	0	-	-	9	0	0
A27.84	A277	A26	2538	2528		EB	-	-	-	2	0	0	-	-	4	0	0
A27.81	A283	A2025	7372	2084		WB	-	-	-	101	93	93	-	-	176	165	164
A27.82	A23	A283	2250	2248		WB	-	-	-	120	111	110	-	-	211	200	198
A27.83	A277	A23	2538	2484		WB	-	-	-	1	1	1	-	-	2	2	2
A27.84	A26	A277	2528	2538		WB	-	-	-	1	0	0	-	-	1	1	1

Strategic Links (Other A Roads)

A264																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A264.14	M23	A2220	4816	7364		EB	-	-	-	5	6	3	-	-	9	8	3
A264.15	A2220	B2028	4864	7104		EB	-	-	-	1	0	0	-	-	1	0	0
A264.16	B2028	B2037	7106	4910		EB	-	-	-	1	1	1	-	-	3	3	3
A264.17	B2037	A2220	7350	4892		EB	-	-	-	0	0	0	-	-	0	0	0
A264.14	A2220	M23	7364	4816		WB	-	-	-	1	1	2	-	-	3	3	3
A264.15	B2028	A2220	7104	4864		WB	-	-	-	2	0	2	-	-	4	3	7
A264.16	B2037	B2028	4910	7106		WB	-	-	-	0	0	0	-	-	0	0	0
A264.17	A2220	B2037	4892	7350		WB	-	-	-	1	1	1	-	-	2	1	1

A22 (B2028 to East Grinstead)																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A22.18	B2028	A264	4892	5016		NB	-	-	-	2	2	2	-	-	3	4	4
A22.19	A264	East Grinstead	4848	4876		NB	-	-	-	0	0	0	-	-	1	0	0
A22.18	A264	B2028	5016	4892		SB	-	-	-	1	0	0	-	-	1	1	1
A22.19	East Grinstead	A264	4876	4848		SB	-	-	-	0	0	0	-	-	0	0	0

A22 (East Grinstead to Raven Wood)																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A22.20	East Grinstead	A275	4114	4348		NB	-	-	-	3	3	3	-	-	6	9	6
A22.21	A275	Raven Wood	4314	4936		NB	-	-	-	0	0	0	-	-	0	0	0
A22.20	A275	East Grinstead	4348	4114		SB	-	-	-	0	1	1	-	-	1	1	1
A22.21	Raven Wood	A275	4096	8131		SB	-	-	-	0	0	0	-	-	0	0	0

A2300																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A2300.22	A23	A273	3236	8111		EB	-	-	-	37	47	59	-	-	69	88	92
A2300.22	A273	A23	8111	3236		WB	-	-	-	204	200	225	-	-	403	190	210

A272																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A272.23	A24	A281	3388	3380		EB	-	-	-	18	17	17	-	-	34	30	30
A272.24	A281	A23	3382	3350		EB	-	-	-	22	19	18	-	-	40	34	31
A272.25	A23	B2036	3338	3412		EB	-	-	-	23	12	0	-	-	44	22	18
A272.26	B2036	B2036	3450	3502		EB	-	-	-	20	29	37	-	-	40	42	89
A272.27	B2036	B2184	3502	3512		EB	-	-	-	1	1	1	-	-	2	2	2
A272.28	B2184	A273	3512	3492		EB	-	-	-	7	1	1	-	-	11	3	8
A272.29	A273	B2028	3482	3494		EB	-	-	-	99	84	90	-	-	198	162	176
A272.30	B2028	B2112	3488	3458		EB	-	-	-	7	4	7	-	-	15	7	12
A272.31	B2112	B2111	3436	3462		EB	-	-	-	11	10	10	-	-	21	11	18
A272.32	B2111	A275	3424	3310		EB	-	-	-	0	0	0	-	-	0	0	0
A272.33	A275	Newick	3252	3250		EB	-	-	-	15	16	16	-	-	29	30	30
A272.91	Frankton Ave	HH Relief Rd	3426	9109		EB	-	-	-	0	0	0	-	-	1	0	0
A272.23	A281	A24	3380	3388		WB	-	-	-	70	62	69	-	-	115	119	113
A272.24	A23	A281	3350	3382		WB	-	-	-	102	92	96	-	-	183	175	164
A272.25	B2036	A23	3412	3338		WB	-	-	-	170	161	115	-	-	261	337	244
A272.26	B2036	B2036	3502	3450		WB	-	-	-	5	8	8	-	-	10	15	8

Ref.	From	To	A-Node	B-Node	C-Node	Direction	Base Year	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A2073.34	A283	A281	2612	2646		NB	-	-	-	6	6	6	-	-	13	13	13
A2073.34	A281	A283	2646	2612		SB	-	-	-	17	16	15	-	-	30	25	25

A281																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A281.35	A23	B2117	2662	2752		NB	-	-	-	1	1	1	-	-	1	1	1
A281.36	B2117	A2073	2752	2758		NB	-	-	-	0	1	1	-	-	1	3	13
A281.37	A2073	B2116	2874	2948		NB	-	-	-	1	1	1	-	-	1	1	1
A281.38	B2116	B2116	3002	3110		NB	-	-	-	16	15	12	-	-	36	11	13
A281.39	B2116	A272	3142	3318		NB	-	-	-	1	1	1	-	-	2	1	0
A281.40	A272	B2110	3554	3684		NB	-	-	-	15	14	14	-	-	29	26	26
A281.41	B2110	B2115	3684	3728		NB	-	-	-	15	14	14	-	-	29	26	26
A281.42	B2115	Monks Gate	3728	3748		NB	-	-	-	16	14	15	-	-	30	27	26
A281.35	B2117	A23	2752	2662		SB	-	-	-	5	5	5	-	-	10	10	10
A281.36	A2073	B2117	2758	2752		SB	-	-	-	0	0	0	-	-	0	0	0
A281.37	B2116	A2073	2948	2874		SB	-	-	-	5	4	4	-	-	9	7	7
A281.38	B2116	B2116	3110	3002		SB	-	-	-	1	1	2	-	-	1	2	3
A281.39	A272	B2116	3318	3142		SB	-	-	-	7	6	0	-	-	9	11	10
A281.40	B2110	A272	3684	3554		SB	-	-	-	1	1	0	-	-	3	2	0
A281.41	B2115	B2110	3728	3684		SB	-	-	-	1	1	0	-	-	3	2	0
A281.42	Monks Gate	B2115	3748	3728		SB	-	-	-	3	2	2	-	-	5	4	4

A264																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A264.58	East Grinstead	B2026	4880	4870		EB	-	-	-	0	0	0	-	-	0	0	0
A264.58	B2026	East Grinstead	4870	4880		WB	-	-	-	0	0	0	-	-	0	0	0

A273																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A273.43	A23	B2112	2656	2746		NB	-	-	-	6	3	3	-	-	10	7	7
A273.44	B2112	B2116	2746	2814		NB	-	-	-	6	0	0	-	-	10	2	1
A273.45	B2116	B2036	2974	2974		NB	-	-	-	5	1	1	-	-	9	4	3
A273.46	B2036	A2300	3128	3164		NB	-	-	-	5	1	1	-	-	10	0	0
A273.47	A2300	B2036	3202	3226		NB	-	-	-	10	1	1	-	-	22	2	2
A273.48	B2036	A272	3418	3418		NB	-	-	-	153	100	113	-	-	329	225	211
A273.97	Keymer Rd	A273	3020	3006		NB	-	-	-	-	-	63	-	-	-	-	43
A273.43	A23	B2112	2746	2656		SB	-	-	-	85	59	60	-	-	149	186	201
A273.44	B2116	B2112	2814	2746		SB	-	-	-	87	59	60	-	-	154	186	198
A273.45	B2036	B2116	2974	2974		SB	-	-	-	99	65	66	-	-	177	198	216
A273.46	A2300	B2036	3164	3128		SB	-	-	-	33	14	11	-	-	69	28	34
A273.47	B2036	A2300	3226	3202		SB	-	-	-	71	10	10	-	-	158	40	50
A273.48	A272	B2036	3418	7740		SB	-	-	-	28	14	15	-	-	47	28	34
A273.97	A273	Keymer Rd	3006	3020		SB	-	-	-	-	-	0	-	-	-	-	0

A275																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A275.49	Lewes	B2116	2604	2666		NB	-	-	-	0	0	0	-	-	0	0	0
A275.50	B2116	A272	2769	3212		NB	-	-	-	2	2	1	-	-	3	3	3
A275.51	A272	A22	3322	3570		NB	-	-	-	2	6	4	-	-	4	14	11
A275.49	B2116	Lewes	2666	2604		SB	-	-	-	5	9	9	-	-	10	17	17
A275.50	A272	B2116	3212	7369		SB	-	-	-	13	17	17	-	-	22	30	30
A275.51	A22	A272	3570	3322		SB	-	-	-	0	1	1	-	-	1	2	2

A277																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A277.87	A27	A275	2538	2552		NB	-	-	-	3	0	0	-	-	5	0	0
A277.88	A275	A26	2558	2564		NB	-	-	-	4	6	6	-	-	8	11	11
A277.87	A275	A27	2552	2538		SB	-	-	-	1	1	1	-	-	1	1	1
A277.88	A26	A275	2564	2558		SB	-	-	-	0	0	0	-	-	0	0	1

A2220																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A2220.89	B2036	A264	4716	7368		NB	-	-	-	0	0	0	-	-	0	0	0
A2220.89	A264	B2036	7368	4716		SB	-	-	-	0	0	0	-	-	0	0	0

Northern Arc Spine Rd																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
LR.95	A273	B2036	8109	8115		WB	-	-	-	-	166	164	-	-	-	295	304
LR.96	B2036	A2300	8114	8113		WB	-	-	-	-	73	79	-	-	-	109	101
LR.94	A273	Leylands Rd	8117	9963		EB	-	-	-	-	213	206	-	-	-	430	429
LR.95	B2036	A273	8115	8109		EB	-	-	-	-	170	173	-	-	-	379	384
LR.96	A2300	B2036	8113	8114		EB	-	-	-	-	19	31	-	-	-	36	38

Haywards Heath Relief Rd																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
HH.92	A273	B2112	3448	9108		EB	-	-	-	27	1	9	-	-	56	1	1
HH.93	B2112	A272	9111	9110		EB	-	-	-	11	10	10	-	-	20	10	18
HH.92	B2112	A273	9108	3448		WB	-	-	-	9	2	3	-	-	14	5	5
HH.93	A272	B2112	9110	9111		WB	-	-	-	2	2	2	-	-	4	3	3

**Non Strategic Links (B Roads)**

B2116																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2116.52	Partridge Green	A281	3116	3110		EB	-	-	-	1	1	1	-	-	2	2	2
B2116.53	A281	B2118	2964	2938		EB	-	-	-	0	0	0	-	-	0	0	0
B2116.54	B2118	B2117	2934	2908		EB	-	-	-	0	0	0	-	-	0	0	0
B2116.55	B2117	A273	2866	2838		EB	-	-	-	0	0	0	-	-	0	0	0
B2116.56	A273	B2112	2828	2822		EB	-	-	-	12	15	15	-	-	20	26	30
B2116.57	B2112	A275	2822	2698		EB	-	-	-	7	7	7	-	-	12	12	12
B2116.52	A281	Partridge Green	3110	3116		WB	-	-	-	19	17	9	-	-	38	16	17
B2116.53	B2118	A281	2938	2964		WB	-	-	-	6	6	6	-	-	12	12	12
B2116.54	B2117	B2118	2908	2934		WB	-	-	-	0	0	0	-	-	1	2	2
B2116.55	A273	B2117	2838	2866		WB	-	-	-	0	0	0	-	-	1	0	0
B2116.56	B2112	A273	2822	2828		WB	-	-	-	2	2	2	-	-	3	3	3
B2116.57	A275	B2112	2698	2822		WB	-	-	-	1	1	1	-	-	2	2	2

B2112																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2112.59	A273	B2116	2746	2778		NB	-	-	-	3	3	3	-	-	5	5	6
B2112.60	B2116	B2113	2722	3004		NB	-	-	-	1	1	1	-	-	2	2	2
B2112.90	B2113	A272	3316	3316		NB	-	-	-	5	0	0	-	-	7	2	2
B2112.59	B2116	A273	2778	2746		SB	-	-	-	0	0	0	-	-	0	0	3
B2112.60	B2113	B2116	3004	2722		SB	-	-	-	5	5	5	-	-	10	11	11
B2112.90	A272	B2113	3316	7724		SB	-	-	-	8	0	0	-	-	13	0	0

B2117.62	B2118	B2116	7690	2908		NB	-	-	-	2	2	2	-	-	3	3	3
B2117.61	B2118	A281	2790	2752		SB	-	-	-	5	6	5	-	-	11	13	22
B2117.62	B2116	B2118	2908	7690		SB	-	-	-	6	6	6	-	-	11	18	27

B2118																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2118.63	B2117	B2116	2790	2908		NB	-	-	-	0	0	0	-	-	0	0	0
B2118.64	B2116	A23	2938	2984		NB	-	-	-	0	0	0	-	-	0	1	1
B2118.63	B2116	B2117	2898	2790		SB	-	-	-	5	5	5	-	-	10	4	4
B2118.64	A23	B2116	2984	2938		SB	-	-	-	11	11	10	-	-	22	15	14

B2036																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2036.65	A273	A272	3278	7738		NB	-	-	-	202	199	166	-	-	339	419	379
B2036.66	Cuckfield	B2110	3714	3940		NB	-	-	-	12	11	11	-	-	33	22	39
B2036.67	B2110	M23 Jct 10A	4248	4390		NB	-	-	-	5	5	5	-	-	20	10	27
B2036.65	A272	A273	7738	3278		SB	-	-	-	30	21	9	-	-	56	37	28
B2036.66	B2110	Cuckfield	3940	3714		SB	-	-	-	7	5	4	-	-	12	8	8
B2036.67	M23 Jct 10A	B2110	4390	4248		SB	-	-	-	3	1	1	-	-	5	3	3

B2028																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2028.68	Haywards Heath	B2110	3904	4322		NB	-	-	-	37	34	36	-	-	72	65	68
B2028.69	B2110	A264	4760	7780		NB	-	-	-	6	5	7	-	-	13	11	16
B2028.70	B2037	A22	4924	4930		NB	-	-	-	1	0	0	-	-	1	1	1
B2028.68	B210	Haywards Heath	4322	3904		SB	-	-	-	3	3	3	-	-	5	5	5
B2028.69	A264	B2110	7780	4760		SB	-	-	-	1	1	1	-	-	1	1	1
B2028.70	A22	B2037	5016	4924		SB	-	-	-	0	0	0	-	-	0	0	0

B2037																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2037.71	B2036	B2028	4940	4924		EB	-	-	-	0	0	0	-	-	0	0	0
B2037.71	B2028	B2036	4924	4940		WB	-	-	-	0	0	0	-	-	0	0	0

B2110																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2110.72	A281	B2115	3756	7824		NB	-	-	-	1	1	2	-	-	2	2	4
B2110.73	B2115	A23	3830	3896		NB	-	-	-	0	0	0	-	-	0	0	0
B2110.74	A23	B2036	4012	4206		NB	-	-	-	0	0	0	-	-	0	0	0
B2110.75	B2036	B2028	4248	7784		NB	-	-	-	3	2	2	-	-	5	5	5
B2110.76	B2028	East Grinstead	7768	4582		NB	-	-	-	23	22	22	-	-	44	40	38
B2110.72	B2115	A281	7824	3756		SB	-	-	-	1	1	0	-	-	2	2	1
B2110.73	A23	B2115	3886	3830		SB	-	-	-	9	8	5	-	-	9	11	8
B2110.74	B2036	A23	4206	4012		SB	-	-	-	0	0	0	-	-	0	0	0
B2110.75	B2028	B2036	7784	4248		SB	-	-	-	3	2	2	-	-	5	4	4
B2110.76	East Grinstead	B2028	4582	7768		SB	-	-	-	2	2	2	-	-	4	4	4

B2114																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2114.77	B2110	B2115	3774	3796		NB	-	-	-	3	3	4	-	-	8	8	9
B2114.77	B2115	B2110	3796	3774		SB	-	-	-	1	1	1	-	-	1	1	1

B2115																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2115.78	B2110	A23	3788	3670		EB	-	-	-	2	2	3	-	-	3	3	5
B2115.79	A23	B2114	7790	3662		EB	-	-	-	0	0	0	-	-	1	0	0
B2115.80	B2114	Cuckfield	3662	3620		EB	-	-	-	1	0	0	-	-	2	1	1
B2115.78	A23	B2110	3670	3788		WB	-	-	-	6	5	4	-	-	9	8	7
B2115.79	A23	B2114	3662	7790		WB	-	-	-	3	1	5	-	-	6	10	11
B2115.80	Cuckfield	B2114	3620	3662		WB	-	-	-	6	3	9	-	-	14	18	18

**Town Centre Links**

Burgess Hill																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
<b>A273</b>																	
A273.TC01	B2036	Charles Avenue	9000	3026		NB	-	-	-	2	0	0	-	-	5	0	0
A273.TC02	Charles Avenue	York Road	3026	3074		NB	-	-	-	3	0	0	-	-	7	0	0
A273.TC03	York Road	Malthouse Lane	3074	3128		NB	-	-	-	4	0	0	-	-	8	0	0
A273.TC04	Malthouse Lane	A2300	3164	3188		NB	-	-	-	5	1	1	-	-	10	0	0
A273.TC05	A2300	Sussex Way	3188	3202		NB	-	-	-	13	0	0	-	-	28	0	0
A273.TC06	Sussex Way	B2036	3202	3226		NB	-	-	-	10	1	1	-	-	22	2	2
A273.TC01	Charles Avenue	B2036	3026	3000		SB	-	-	-	13	3	3	-	-	27	0	0
A273.TC02	York Road	Charles Avenue	3074	3026		SB	-	-	-	21	7	6	-	-	41	8	7
A273.TC03	Malthouse Lane	York Road	3128	3074		SB	-	-	-	24	9	7	-	-	47	8	7
A273.TC04	A2300	Malthouse Lane	3188	3164		SB	-	-	-	33	14	11	-	-	69	28	34
A273.TC05	Sussex Way	A2300	3202	3188		SB	-	-	-	67	22	3	-	-	149	30	34
A273.TC06	B2036	Sussex Way	3226	3202		SB	-	-	-	71	10	10	-	-	158	40	50
<b>B2036</b>																	
B2036.TC07	A273	B2113	7730	3078		NB	-	-	-	4	2	2	-	-	6	7	7
B2036.TC08	B2113	Victoria Way	3078	3096		NB	-	-	-	4	2	2	-	-	6	7	7
B2036.TC09	Victoria Way	Royal George Roa	3086	3102		NB	-	-	-	5	3	3	-	-	7	9	9
B2036.TC10	loyal George Roa	West Street	3102	3150		NB	-	-	-	6	3	3	-	-	9	9	9
B2036.TC11	West Street	Leylands Road	3150	3158		NB	-	-	-	6	3	3	-	-	10	9	9
B2036.TC12	B2113	A273	3078	7730		SB	-	-	-	93	72	9	-	-	165	218	193
B2036.TC07	Victoria Way	B2113	3086	3078		SB	-	-	-	93	6	6	-	-	164	93	111
B2036.TC08	loyal George Roa	Victoria Way	3102	3086		SB	-	-	-	98	10	13	-	-	173	108	126
B2036.TC09	West Street	Royal George Roa	3150	3102		SB	-	-	-	106	10	13	-	-	189	108	126
B2036.TC10	Leylands Road	West Street	3158	3150		SB	-	-	-	106	10	14	-	-	189	113	126
B2036.TC11	A273	B2113	7730	3078		SB	-	-	-	4	2	2	-	-	6	7	7
B2036.TC12	B2113	Victoria Way	3078	3086		SB	-	-	-	4	2	2	-	-	6	7	7
<b>B2113</b>																	
B2113.TC13	B2036	Civic Way	3078	3082		EB	-	-	-	0	0	0	-	-	0	0	0
B2113.TC14	Civic Way	Mill Road	3082	6035		EB	-	-	-	0	0	0	-	-	0	0	0
B2113.TC15	Mill Road	Keymer Road	6035	3056		EB	-	-	-	23	32	100	-	-	44	67	125
B2113.TC16	Keymer Road	Kingsway	3020	3012		EB	-	-	-	5	0	5	-	-	10	0	9
B2113.TC17	Kingsway	B2112	3012	3004		EB	-	-									

JR.TC25	Janes Lane	Leylands Road	3200	3192		SB	-	-	-	2	10	9	-	-	8	17	17
JR.TC26	B2112	Janes Lane	3248	3200		SB	-	-	-	0	2	2	-	-	4	3	3

**Haywards Heath**

Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
<b>B2028</b>																	
B2028.TC27	Broadway Court	Sydney Road	3498	3558		NB	-	-	-	0	0	0	-	-	0	0	0
B2028.TC28	Sydney Road	B2112	3558	3566		NB	-	-	-	71	62	65	-	-	140	117	125
B2028.TC29	B2112	Summerhill Lane	3566	3574		NB	-	-	-	71	62	66	-	-	140	118	126
B2028.TC30	Summerhill Lane	B2111	3574	3596		NB	-	-	-	24	19	20	-	-	47	34	39
B2028.TC27	Sydney Road	Broadway Court	3558	3498		SB	-	-	-	0	0	0	-	-	0	0	0
B2028.TC28	Sydney Road	B2112	3566	3558		SB	-	-	-	3	2	2	-	-	5	4	4
B2028.TC29	B2112	Summerhill Lane	3574	3566		SB	-	-	-	3	2	2	-	-	5	4	4
B2028.TC30	Summerhill Lane	B2111	3596	3574		SB	-	-	-	3	2	2	-	-	5	4	4
<b>B2112</b>																	
B2112.TC31	Church Road	B2028	7750	3566		NB	-	-	-	0	0	1	-	-	0	1	1
B2112.TC32	Church Road	A272	3458	3476		NB	-	-	-	0	0	1	-	-	0	1	1
B2112.TC31	B2028	Church Road	3566	7750		SB	-	-	-	0	0	0	-	-	0	0	0
B2112.TC32	A272	Church Road	3476	3458		SB	-	-	-	0	0	0	-	-	0	0	0
<b>Paddockhall Road</b>																	
PR.TC33	A272	Market Place	3494	7754		NB	-	-	-	84	74	77	-	-	164	141	148
PR.TC33	Market Place	A272	7754	3494		SB	-	-	-	9	8	8	-	-	15	14	14
<b>Church Road</b>																	
CR.TC34	A272	B2112	3488	3484		EB	-	-	-	7	6	6	-	-	13	12	12
CR.TC34	B2112	A272	3484	3488		WB	-	-	-	1	1	1	-	-	2	2	2
<b>Mill Green Road</b>																	
CR.TC35	Sydney Road	College Road	3558	7756		NB	-	-	-	4	3	4	-	-	6	8	7
CR.TC35	College Road	Sydney Road	7756	3558		SB	-	-	-	5	4	4	-	-	8	8	8
<b>Summerhill Lane</b>																	
CR.TC36	B2028	Gander Hill	3574	3598		NB	-	-	-	48	44	46	-	-	93	84	86
CR.TC36	Gander Hill	B2028	3598	3574		SB	-	-	-	0	0	0	-	-	0	0	0

**East Grinstead**

Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
<b>A22</b>																	
A22.TC37	Station Road	A264	7113	4794		SB	-	-	-	4	4	4	-	-	8	7	7
A22.TC38	A264	London Road	4794	4782		SB	-	-	-	0	1	1	-	-	1	1	1
A22.TC39	London Road	B2110	7111	4772		SB	-	-	-	0	0	0	-	-	0	0	0
A22.TC40	London Road	B2110	-	-		SB	-	-	-	-	-	-	-	-	-	-	-
A22.TC41	B2110	London Road	-	-		SB	-	-	-	-	-	-	-	-	-	-	-
A22.TC37	A264	Station Road	-	-		NB	-	-	-	-	-	-	-	-	-	-	-
A22.TC38	London Road	A264	-	-		NB	-	-	-	-	-	-	-	-	-	-	-
A22.TC39	B2110	London Road	4772	7111		NB	-	-	-	0	0	0	-	-	0	0	0
A22.TC40	B2110	London Road	7112	7115		NB	-	-	-	0	1	1	-	-	1	1	1
A22.TC41	London Road	B2110	7114	7113		NB	-	-	-	10	10	10	-	-	20	18	17
<b>A264</b>																	
A22.TC42	A22	B2110	4794	4832		NB	-	-	-	4	3	3	-	-	7	6	6
A22.TC42	B2110	A22	4832	4794		SB	-	-	-	0	0	0	-	-	0	0	0
<b>B2110</b>																	
A22.TC43	A264	Estcots Drive	4832	4780		SB	-	-	-	0	0	0	-	-	1	1	1
A22.TC44	Estcots Drive	Lewes Road	4780	4738		SB	-	-	-	1	1	1	-	-	1	1	1
A22.TC45	A22	College Lane	4738	4738		WB	-	-	-	0	0	0	-	-	0	0	0
A22.TC46	College Lane	London Road	4738	4742		WB	-	-	-	1	1	1	-	-	2	1	1
A22.TC47	London Road	Brooklands Way	4744	7972		WB	-	-	-	1	1	1	-	-	2	1	1
A22.TC43	Estcots Drive	A264	4780	4832		NB	-	-	-	0	0	0	-	-	0	0	1
A22.TC44	Lewes Road	Estcots Drive	4738	4780		NB	-	-	-	2	2	2	-	-	5	2	4
A22.TC45	College Lane	A22	4738	4738		EB	-	-	-	0	0	0	-	-	0	0	0
A22.TC46	London Road	College Lane	4742	4738		EB	-	-	-	2	2	2	-	-	5	2	4
A22.TC47	Brooklands Way	London Road	7972	4744		EB	-	-	-	2	2	2	-	-	4	2	0



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**A.8. Strategic and Non-Strategic Modelled Link Flows (A2300 Business Park Contribution)**



**CO03022422 Mid Sussex Transport Study - Strategic and Non Strategic Modelled Link Flows (A2300 Business Park Contribution AM Peak)**

**Strategic Links (Motorway and Trunk Routes)**

Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
M23.11	Jct 11	Jct 10A	4294	4454		NB	-	-	-	2	1	1	-	-	3	3	3
M23.12	Jct 10A	Jct 10	4454	4770		NB	-	-	-	2	1	1	-	-	3	3	3
M23.13	Jct 10	Jct 9	7318	4946		NB	-	-	-	1	1	1	-	-	1	1	1
M23.11	Jct 10A	Jct 11	4434	4292		SB	-	-	-	20	19	19	-	-	38	36	37
M23.12	Jct 10	Jct 10A	4776	4434		SB	-	-	-	20	19	19	-	-	38	36	37
M23.13	Jct 9	Jct 10	4948	4858		SB	-	-	-	8	8	8	-	-	16	15	15

Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A23.1	A27	A273	2542	2578		NB	-	-	-	28	27	27	-	-	51	48	49
A23.2	A273	A281	2658	2672		NB	-	-	-	28	27	26	-	-	50	48	49
A23.3	A281	B2117	2684	2774		NB	-	-	-	28	27	27	-	-	50	48	49
A23.4	B2117	B2118	7325	7337		NB	-	-	-	28	27	27	-	-	50	48	49
A23.5	B2118	A2300	7337	7324		NB	-	-	-	31	30	30	-	-	56	54	55
A23.6	A2300	A272	3296	3346		NB	-	-	-	7	7	5	-	-	7	10	9
A23.7	A272	B2115	3600	3658		NB	-	-	-	8	7	6	-	-	14	12	12
A23.8	B2115	B2110	3680	3878		NB	-	-	-	7	6	6	-	-	13	12	11
A23.9	B2110	M23	3884	4202		NB	-	-	-	6	5	5	-	-	11	10	10
A23.10	M23	A2004	4276	4366		NB	-	-	-	1	1	1	-	-	1	1	1
A23.1	A273	A27	2580	2542		SB	-	-	-	13	12	12	-	-	24	22	22
A23.2	A281	A273	2670	2664		SB	-	-	-	13	12	12	-	-	23	22	22
A23.3	B2117	A281	2798	2870		SB	-	-	-	13	12	12	-	-	23	22	22
A23.4	B2118	B2117	3108	2798		SB	-	-	-	13	12	12	-	-	23	22	22
A23.5	A2300	B2118	3166	3108		SB	-	-	-	15	14	14	-	-	27	25	25
A23.6	A272	A2300	3326	3242		SB	-	-	-	167	159	160	-	-	317	296	299
A23.7	B2115	A272	3638	3516		SB	-	-	-	93	88	88	-	-	180	170	170
A23.8	B2110	B2115	3872	3664		SB	-	-	-	73	69	69	-	-	143	134	135
A23.9	M23	B2110	4178	4110		SB	-	-	-	49	46	46	-	-	91	87	87
A23.10	A2004	M23	4372	4280		SB	-	-	-	25	24	24	-	-	47	45	45

Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A27.81	A2025	A283	2080	7373		EB	-	-	-	8	8	8	-	-	15	14	14
A27.82	A283	A23	2254	2256		EB	-	-	-	9	9	9	-	-	16	14	16
A27.83	A23	A277	2484	2538		EB	-	-	-	1	1	1	-	-	2	1	1
A27.84	A277	A26	2538	2528		EB	-	-	-	0	0	0	-	-	1	1	1
A27.81	A283	A2025	7372	7384		WB	-	-	-	8	7	7	-	-	14	13	13
A27.82	A23	A283	2250	2248		WB	-	-	-	10	9	9	-	-	17	16	16
A27.83	A277	A23	2538	2484		WB	-	-	-	4	4	4	-	-	8	8	8
A27.84	A26	A277	2528	2538		WB	-	-	-	2	2	2	-	-	3	4	4

**Strategic Links (Other A Roads)**

Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A264.14	M23	A2220	4816	7364		EB	-	-	-	1	1	1	-	-	1	1	1
A264.15	B2028	B2028	4864	7104		EB	-	-	-	0	0	0	-	-	1	0	0
A264.16	B2028	B2037	7106	4910		EB	-	-	-	0	0	0	-	-	0	0	0
A264.17	B2037	A2220	7350	4892		EB	-	-	-	0	0	0	-	-	0	0	0
A264.14	A2220	M23	7364	4816		WB	-	-	-	12	11	11	-	-	22	21	21
A264.15	B2028	A2220	7104	4864		WB	-	-	-	5	5	5	-	-	9	9	9
A264.16	B2037	B2028	4810	7106		WB	-	-	-	0	0	0	-	-	0	0	1
A264.17	A2220	B2037	4892	7350		WB	-	-	-	3	3	3	-	-	6	6	6

Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A22.18	B2028	A264	4892	5016		NB	-	-	-	0	0	0	-	-	0	0	0
A22.19	A264	East Grinstead	4848	4876		NB	-	-	-	2	2	2	-	-	4	4	4
A22.18	A264	B2028	5016	4892		SB	-	-	-	0	0	0	-	-	0	0	0
A22.19	East Grinstead	A264	4876	4848		SB	-	-	-	0	0	0	-	-	0	0	0

Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A22.20	East Grinstead	A275	4114	4348		NB	-	-	-	0	0	0	-	-	0	0	0
A22.21	A275	Raven Wood	8131	4086		NB	-	-	-	0	0	0	-	-	0	0	0
A22.20	A275	East Grinstead	4348	4114		SB	-	-	-	1	1	1	-	-	4	2	2
A22.21	Raven Wood	A275	4096	8131		SB	-	-	-	0	0	0	-	-	0	0	0

Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A2300.22	A23	A273	3236	8111		EB	-	-	-	287	273	274	-	-	564	579	575
A2300.22	A273	A23	8111	3236		WB	-	-	-	40	37	37	-	-	74	69	69

Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A272.23	A24	A281	3388	3380		EB	-	-	-	68	64	66	-	-	126	116	118
A272.24	A281	A23	3392	3350		EB	-	-	-	71	67	69	-	-	131	120	123
A272.25	A23	B2036	3338	3412		EB	-	-	-	0	0	0	-	-	0	0	0
A272.26	B2036	B2036	3450	3502		EB	-	-	-	2	2	2	-	-	4	4	4
A272.27	B2036	B2184	3502	3512		EB	-	-	-	0	0	0	-	-	0	0	0
A272.28	B2184	A273	3512	3492		EB	-	-	-	0	0	0	-	-	0	0	0
A272.29	A273	B2028	3482	3494		EB	-	-	-	6	5	6	-	-	11	10	10
A272.30	B2028	B2112	3488	3458		EB	-	-	-	0	0	1	-	-	1	1	1
A272.31	B2112	B2111	3436	3462		EB	-	-	-	1	1	1	-	-	1	1	1
A272.32	B2111	A275	3424	3310		EB	-	-	-	0	0	0	-	-	0	0	0
A272.33	A275	Newick	3252	3250		EB	-	-	-	1	1	1	-	-	2	2	2
A272.91	Frankton Ave	HH Relief Rd	3426	9109		EB	-	-	-	0	0	0	-	-	0	0	0
A272.23	A24	A24	3380	3388		WB	-	-	-	4	4	5	-	-	7	7	9
A272.24	A23	A281	3350	3382		WB	-	-	-	7	6	8	-	-	13		

Ref.	From	To	A-Node	B-Node	C-Node	Direction	Base Year	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A2073.34	A283	A281	2612	2646		NB	-	-	-	30	29	27	-	-	66	62	59
A2073.34	A281	A283	2646	2612		SB	-	-	-	2	1	1	-	-	3	3	3

A281																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A281.35	A23	B2117	2662	2752		NB	-	-	-	3	3	3	-	-	5	5	5
A281.36	B2117	A2073	2752	2758		NB	-	-	-	0	0	0	-	-	0	0	0
A281.37	A2073	B2116	2874	2948		NB	-	-	-	3	2	2	-	-	5	5	5
A281.38	B2116	B2116	3002	3110		NB	-	-	-	3	3	1	-	-	6	5	2
A281.39	B2116	A272	3142	3142		NB	-	-	-	0	0	0	-	-	0	0	0
A281.40	A272	B2110	3554	3684		NB	-	-	-	1	1	1	-	-	2	2	2
A281.41	B2110	B2115	3684	3728		NB	-	-	-	1	1	1	-	-	2	2	2
A281.42	B2115	Monks Gate	3728	3748		NB	-	-	-	1	1	1	-	-	2	2	2
A281.35	B2117	A23	2752	2662		SB	-	-	-	0	0	0	-	-	1	1	1
A281.36	A2073	B2117	2758	2752		SB	-	-	-	0	0	0	-	-	0	0	0
A281.37	B2116	A2073	2948	2874		SB	-	-	-	0	0	0	-	-	1	1	1
A281.38	B2116	B2116	3110	3002		SB	-	-	-	7	6	6	-	-	12	11	11
A281.39	A272	B2116	3318	3142		SB	-	-	-	0	0	0	-	-	0	0	0
A281.40	B2110	A272	3684	3554		SB	-	-	-	0	0	0	-	-	0	0	0
A281.41	B2115	B2110	3728	3684		SB	-	-	-	0	0	0	-	-	0	0	0
A281.42	Monks Gate	B2115	3748	3728		SB	-	-	-	9	9	9	-	-	17	17	17

A264																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A264.58	East Grinstead	B2026	4880	4870		EB	-	-	-	0	0	0	-	-	0	0	0
A264.58	B2026	East Grinstead	4870	4880		WB	-	-	-	0	0	0	-	-	0	0	0

A273																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A273.43	A23	B2112	2656	2746		NB	-	-	-	0	0	0	-	-	1	0	0
A273.44	B2112	B2116	2746	2814		NB	-	-	-	7	3	0	-	-	10	15	0
A273.45	B2116	B2036	2974	2974		NB	-	-	-	8	5	1	-	-	12	8	0
A273.46	B2036	A2300	3128	3164		NB	-	-	-	25	20	32	-	-	43	38	56
A273.47	A2300	B2036	3202	3226		NB	-	-	-	13	0	0	-	-	26	0	0
A273.48	B2036	A272	3418	3418		NB	-	-	-	8	6	8	-	-	15	11	12
A273.97	Keymer Rd	A273	3006	3006		NB	-	-	-	0	0	0	-	-	0	0	0
A273.43	B2112	A23	2746	2656		SB	-	-	-	0	0	0	-	-	0	0	0
A273.44	B2116	B2112	2814	2746		SB	-	-	-	1	0	0	-	-	1	1	0
A273.45	B2036	B2116	2974	2746		SB	-	-	-	2	2	1	-	-	4	4	1
A273.46	A2300	B2036	3164	3128		SB	-	-	-	4	4	5	-	-	8	8	10
A273.47	B2036	A2300	3226	3202		SB	-	-	-	111	7	1	-	-	204	8	7
A273.48	A272	B2036	3418	7740		SB	-	-	-	51	47	52	-	-	48	50	49
A273.97	A273	Keymer Rd	3006	3020		SB	-	-	-	-	-	2	-	-	-	-	4

A275																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A275.49	Lewes	B2116	2604	2666		NB	-	-	-	0	0	0	-	-	0	0	0
A275.50	B2116	A272	7369	3212		NB	-	-	-	5	5	5	-	-	8	8	8
A275.51	A272	A22	3322	3570		NB	-	-	-	0	0	0	-	-	1	1	1
A275.49	B2116	Lewes	2666	2604		SB	-	-	-	0	0	0	-	-	0	0	0
A275.50	A272	B2116	3212	7369		SB	-	-	-	1	1	1	-	-	1	1	1
A275.51	A22	A272	3570	3322		SB	-	-	-	3	3	3	-	-	7	4	4

A277																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A277.87	A27	A275	2538	2552		NB	-	-	-	0	0	0	-	-	1	1	1
A277.88	A275	A26	2558	2564		NB	-	-	-	0	0	0	-	-	0	0	0
A277.87	A275	A27	2552	2538		SB	-	-	-	2	2	2	-	-	5	4	4
A277.88	A26	A275	2564	2558		SB	-	-	-	1	1	1	-	-	2	2	2

A2220																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A2220.89	B2036	A264	4716	7368		NB	-	-	-	0	0	2	-	-	5	4	4
A2220.89	A264	B2036	7368	4716		SB	-	-	-	0	0	0	-	-	0	0	0

Northern Arc Spine Rd																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
LR.95	A273	B2036	8109	8115		WB	-	-	-	-	115	103	-	-	-	151	140
LR.96	B2036	A2300	8114	8113		WB	-	-	-	-	119	107	-	-	-	161	151
LR.94	A273	Leylands Rd	8117	9963		EB	-	-	-	-	7	5	-	-	-	14	12
LR.95	B2036	A273	8115	8109		EB	-	-	-	-	14	13	-	-	-	27	26
LR.96	A2300	B2036	8113	8114		EB	-	-	-	-	14	14	-	-	-	27	26

Haywards Heath Relief Rd																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
HH.92	A273	B2112	3448	9108		EB	-	-	-	1	0	1	-	-	2	0	0
HH.93	B2112	A272	9111	9110		EB	-	-	-	1	1	1	-	-	1	1	1
HH.92	B2112	A273	9108	3448		WB	-	-	-	11	11	16	-	-	0	28	26
HH.93	A272	B2112	9110	9111		WB	-	-	-	5	5	5	-	-	9	8	9

**Non Strategic Links (B Roads)**

B2116																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2116.52	Partridge Green	A281	3116	3110		EB	-	-	-	5	4	4	-	-	8	8	8
B2116.53	A281	B2118	7964	2938		EB	-	-	-	0	0	0	-	-	0	0	0
B2116.54	B2118	B2117	2934	2908		EB	-	-	-	0	0	0	-	-	0	0	0
B2116.55	B2117	A273	2866	2838		EB	-	-	-	0	0	0	-	-	0	0	0
B2116.56	A273	B2112	2828	2822		EB	-	-	-	1	1	1	-	-	2	2	2
B2116.57	B2112	A275	7872	2698		EB	-	-	-	1	1	1	-	-	1	1	1
B2116.52	A281	Partridge Green	3110	3116		WB	-	-	-	3	2	1	-	-	5	4	2
B2116.53	B2118	A281	2938	7964		WB	-	-	-	1	0	0	-	-	1	1	1
B2116.54	B2117	B2118	2908	2934		WB	-	-	-	0	0	0	-	-	0	0	0
B2116.55	A273	B2117	2838	2866		WB	-	-	-	0	0	0	-	-	0	11	3
B2116.56	B2112	A273	2822	2828		WB	-	-	-	2	5	6	-	-	6	0	10
B2116.57	A275	B2112	2698	7872		WB	-	-	-	4	4	4	-	-	7	7	7

B2112																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2112.59	A273	B2116	2746	2774		NB	-	-	-	0	0	0	-	-	1	1	0
B2112.60	B2116	B2113	7722	3004		NB	-	-	-	3	3	3	-	-	5	5	5
B2112.90	B2113	A272	7724	3316		NB	-	-	-	0	0	5	-	-	0	9	10
B2112.59	B2116	A273	2778	2746		SB	-	-	-	7	2	0	-	-	9	15	0
B2112.60	B2113	B2116	3004	7722		SB	-	-	-	0	0	0	-	-	1	1	1
B2112.90	A272	B2113	3316	7724		SB	-	-	-	0	0	0	-	-	0	0	0

B2117																	
Ref.	Link		SATURN Node List														

B2117.62	B2118	B2116	7690	2908		NB	-	-	-	6	6	6	-	-	11	11	11
B2117.61	B2118	A281	2790	2752		SB	-	-	-	0	0	0	-	-	1	1	1
B2117.62	B2116	B2118	2908	7690		SB	-	-	-	0	0	0	-	-	1	1	1

B2118																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2118.63	B2117	B2116	2790	2998		NB	-	-	-	0	0	0	-	-	0	0	0
B2118.64	B2116	A23	2938	2984		NB	-	-	-	0	0	0	-	-	0	0	0
B2118.63	B2116	B2117	2898	2790		SB	-	-	-	0	0	0	-	-	1	1	1
B2118.64	A23	B2116	2984	2938		SB	-	-	-	1	1	1	-	-	2	2	2

B2036																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2036.65	A273	A272	3278	7738		NB	-	-	-	0	0	1	-	-	0	4	3
B2036.66	Cuckfield	B2110	3714	3940		NB	-	-	-	1	1	1	-	-	2	1	1
B2036.67	B2110	M23 Jct 10A	4248	4390		NB	-	-	-	0	0	0	-	-	1	0	0
B2036.65	A272	A273	7738	3278		SB	-	-	-	0	0	0	-	-	0	0	0
B2036.66	B2110	Cuckfield	3940	3714		SB	-	-	-	11	11	11	-	-	21	19	20
B2036.67	M23 Jct 10A	B2110	4390	4248		SB	-	-	-	2	2	2	-	-	3	3	3

B2028																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2028.68	Haywards Heath	B2110	3904	4322		NB	-	-	-	2	2	2	-	-	4	3	3
B2028.69	B2110	A264	4760	7780		NB	-	-	-	0	0	0	-	-	0	0	0
B2028.70	B2037	A22	4924	5016		NB	-	-	-	0	0	0	-	-	0	0	0
B2028.68	B2110	Haywards Heath	4322	3904		SB	-	-	-	7	6	6	-	-	11	11	10
B2028.69	A264	B2110	7780	4760		SB	-	-	-	0	0	0	-	-	0	0	0
B2028.70	A22	B2037	5016	4924		SB	-	-	-	2	2	2	-	-	4	4	4

B2037																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2037.71	B2036	B2028	4940	4924		EB	-	-	-	0	0	0	-	-	0	0	0
B2037.71	B2028	B2036	4924	4940		WB	-	-	-	0	0	0	-	-	0	0	0

B2110																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2110.72	A281	B2115	3756	7824		NB	-	-	-	9	9	8	-	-	17	16	16
B2110.73	B2115	A23	3830	3886		NB	-	-	-	0	0	0	-	-	0	0	0
B2110.74	A23	B2036	4012	4206		NB	-	-	-	0	0	0	-	-	0	0	0
B2110.75	B2036	B2028	4248	7784		NB	-	-	-	0	0	0	-	-	0	0	0
B2110.76	B2028	East Grinstead	7768	4582		NB	-	-	-	1	1	1	-	-	2	2	2
B2110.72	B2115	A281	7824	3756		SB	-	-	-	0	0	0	-	-	0	0	0
B2110.73	A23	B2115	3886	3830		SB	-	-	-	0	0	0	-	-	0	0	0
B2110.74	B2036	A23	4206	4012		SB	-	-	-	0	0	0	-	-	0	0	0
B2110.75	B2028	B2036	7784	4248		SB	-	-	-	7	7	7	-	-	13	12	12
B2110.76	East Grinstead	B2028	4582	7768		SB	-	-	-	5	4	4	-	-	7	8	8

B2114																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2114.77	B2110	B2115	3774	3796		NB	-	-	-	0	0	0	-	-	0	0	0
B2114.77	B2115	B2110	3796	3774		SB	-	-	-	3	2	2	-	-	5	5	4

B2115																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2115.78	B2110	A23	3788	3670		EB	-	-	-	11	11	11	-	-	22	20	20
B2115.79	A23	B2114	7790	3662		EB	-	-	-	0	0	0	-	-	0	0	0
B2115.80	B2114	Cuckfield	3662	3620		EB	-	-	-	0	0	0	-	-	0	0	0
B2115.78	A23	B2110	3670	3788		WB	-	-	-	0	0	0	-	-	1	1	1
B2115.79	B2114	A23	3662	7790		WB	-	-	-	3	2	2	-	-	5	4	4
B2115.80	Cuckfield	B2114	3620	3662		WB	-	-	-	0	0	0	-	-	0	0	0

**Town Centre Links**

Burgess Hill																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
<b>A273</b>																	
A273.TC01	B2036	Charles Avenue	3000	3026		NB	-	-	-	12	8	20	-	-	19	16	36
A273.TC02	Charles Avenue	York Road	3026	3074		NB	-	-	-	16	12	24	-	-	27	23	43
A273.TC03	York Road	Malthouse Lane	3074	3128		NB	-	-	-	20	16	28	-	-	35	31	50
A273.TC04	Malthouse Lane	A2300	3164	3188		NB	-	-	-	25	20	32	-	-	43	38	56
A273.TC05	A2300	Sussex Way	3188	3202		NB	-	-	-	15	1	1	-	-	30	1	1
A273.TC06	Sussex Way	B2036	3202	3226		NB	-	-	-	13	0	0	-	-	26	0	0
A273.TC01	Charles Avenue	B2036	3026	3000		SB	-	-	-	2	2	2	-	-	5	0	6
A273.TC02	York Road	Charles Avenue	3074	3026		SB	-	-	-	3	3	4	-	-	6	6	7
A273.TC03	Malthouse Lane	York Road	3128	3074		SB	-	-	-	4	3	4	-	-	7	7	8
A273.TC04	A2300	Malthouse Lane	3188	3164		SB	-	-	-	4	4	5	-	-	8	8	10
A273.TC05	Sussex Way	A2300	3202	3188		SB	-	-	-	131	5	5	-	-	242	25	22
A273.TC06	B2036	Sussex Way	3226	3202		SB	-	-	-	111	0	1	-	-	204	8	7
<b>B2036</b>																	
32036.TC01	A273	B2113	7730	3078		NB	-	-	-	0	0	0	-	-	0	0	0
32036.TC02	B2113	Victoria Way	3078	3086		NB	-	-	-	7	0	0	-	-	9	2	0
32036.TC03	Victoria Way	Royal George Road	3086	3102		NB	-	-	-	7	0	0	-	-	9	3	0
32036.TC10	royal George Road	West Street	3102	3150		NB	-	-	-	0	0	0	-	-	0	0	0
32036.TC11	West Street	Leylands Road	3150	3158		NB	-	-	-	0	0	0	-	-	0	0	0
32036.TC12	B2113	A273	3078	7730		SB	-	-	-	0	0	0	-	-	0	2	0
32036.TC01	Victoria Way	B2113	3086	3078		SB	-	-	-	0	0	0	-	-	0	0	0
32036.TC02	royal George Road	Victoria Way	3102	3086		SB	-	-	-	0	0	0	-	-	0	0	0
32036.TC03	West Street	Royal George Road	3150	3102		SB	-	-	-	0	0	0	-	-	0	0	0
32036.TC11	Leylands Road	West Street	3158	3150		SB	-	-	-	0	0	0	-	-	0	0	0
32036.TC12	A273	B2113	7730	3078		SB	-	-	-	0	0	0	-	-	0	0	0
32036.TC13	B2113	Victoria Way	3078	3086		SB	-	-	-	7	0	0	-	-	9	2	0
<b>B2113</b>																	
32113.TC11	B2036	Civic Way	3078	3082		EB	-	-	-	0	0	0	-	-	0	0	0
32113.TC14	Civic Way	Mill Road	3082	6035		EB	-	-	-	1	0	0	-	-	2	0	0
32113.TC15	Mill Road	Keymer Road	6035	3056		EB	-	-	-	1	0	0	-	-	2	1	0
32113.TC16	Keymer Road	Kingsway	3020	3012		EB	-	-	-	0	0	0	-	-	1	0	1
32113.TC17	Kingsway	B2112	3012	3004		EB	-	-	-	0	0	0	-	-	1	0	1
32																	

JR.TC25	Janes Lane	Leylands Road	3200	3192			SB	-	-	-	25	26	19	-	-	66	35	29
JR.TC26	B2112	Janes Lane	3248	3200			SB	-	-	-	0	0	0	-	-	21	0	0

**Haywards Heath**

Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031							
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
<b>B2028</b>																		
32028.TC21	Broadway Court	Sydney Road	3498	3558			NB	-	-	-	0	0	0	-	-	0	0	0
32028.TC21	Sydney Road	B2112	3558	3566			NB	-	-	-	4	4	4	-	-	8	7	7
32028.TC21	B2112	Summerhill Lane	3566	3574			NB	-	-	-	4	4	4	-	-	8	7	7
32028.TC31	Summerhill Lane	B2111	3574	3596			NB	-	-	-	1	1	1	-	-	3	2	3
32028.TC21	Sydney Road	Broadway Court	3558	3498			SB	-	-	-	0	0	0	-	-	0	0	0
32028.TC21	Sydney Road	B2112	3596	3558			SB	-	-	-	7	6	6	-	-	12	13	13
32028.TC21	B2112	Summerhill Lane	3574	3566			SB	-	-	-	7	6	6	-	-	12	13	13
32028.TC31	Summerhill Lane	B2111	3596	3574			SB	-	-	-	7	6	6	-	-	12	13	13
<b>B2112</b>																		
32112.TC31	Church Road	B2028	7750	3566			NB	-	-	-	0	0	0	-	-	0	0	0
32112.TC31	Church Road	A272	3458	3476			NB	-	-	-	0	0	0	-	-	0	0	0
32112.TC31	B2028	Church Road	3566	7750			SB	-	-	-	0	0	0	-	-	0	0	0
32112.TC31	A272	Church Road	3476	3458			SB	-	-	-	0	0	0	-	-	0	0	0
<b>Paddockhall Road</b>																		
PR.TC33	A272	Market Place	3494	7754			NB	-	-	-	5	4	4	-	-	9	8	8
PR.TC33	Market Place	A272	7754	3494			SB	-	-	-	23	21	21	-	-	24	24	25
<b>Church Road</b>																		
CR.TC34	A272	B2112	3488	3484			EB	-	-	-	0	0	0	-	-	1	1	1
CR.TC34	B2112	A272	3484	3488			WB	-	-	-	3	3	3	-	-	6	5	5
<b>Mill Green Road</b>																		
CR.TC35	Sydney Road	College Road	3558	7756			NB	-	-	-	0	0	0	-	-	0	0	0
CR.TC35	College Road	Sydney Road	7756	3558			SB	-	-	-	12	11	11	-	-	6	5	6
<b>Summerhill Lane</b>																		
CR.TC36	B2028	Gander Hill	3574	3598			NB	-	-	-	3	3	3	-	-	5	5	4
CR.TC36	Gander Hill	B2028	3598	3574			SB	-	-	-	0	0	0	-	-	0	0	0

**East Grinstead**

Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031							
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
<b>A22</b>																		
A22.TC37	Station Road	A264	7113	4794			SB	-	-	-	0	0	0	-	-	0	0	0
A22.TC38	A264	London Road	4794	4782			SB	-	-	-	0	0	0	-	-	0	0	0
A22.TC39	London Road	B2110	7111	4772			SB	-	-	-	0	0	0	-	-	0	0	0
A22.TC40	London Road	B2110	-	-			SB	-	-	-	-	-	-	-	-	-	-	-
A22.TC41	B2110	London Road	-	-			SB	-	-	-	-	-	-	-	-	-	-	-
A22.TC37	A264	Station Road	-	-			NB	-	-	-	-	-	-	-	-	-	-	-
A22.TC38	London Road	A264	-	-			NB	-	-	-	-	-	-	-	-	-	-	-
A22.TC39	B2110	London Road	4772	7111			NB	-	-	-	0	0	0	-	-	0	0	0
A22.TC40	B2110	London Road	7112	7115			NB	-	-	-	0	0	0	-	-	0	0	0
A22.TC41	London Road	B2110	7114	7113			NB	-	-	-	1	1	1	-	-	1	1	1
<b>A264</b>																		
A22.TC42	A22	B2110	4794	4832			NB	-	-	-	0	0	0	-	-	0	0	0
A22.TC42	B2110	A22	4832	4794			SB	-	-	-	0	0	0	-	-	0	0	0
<b>B2110</b>																		
A22.TC43	A264	Estcots Drive	4832	4780			SB	-	-	-	1	1	1	-	-	2	2	2
A22.TC44	Estcots Drive	Lewes Road	4780	4738			SB	-	-	-	2	2	2	-	-	3	3	3
A22.TC45	A22	College Lane	4738	4738			WB	-	-	-	1	1	1	-	-	0	1	1
A22.TC46	College Lane	London Road	4738	4742			WB	-	-	-	3	2	2	-	-	3	4	4
A22.TC47	London Road	Brooklands Way	4744	7972			WB	-	-	-	3	2	2	-	-	3	4	4
A22.TC43	Estcots Drive	A264	4780	4832			NB	-	-	-	0	0	0	-	-	0	0	0
A22.TC44	Lewes Road	Estcots Drive	4738	4780			NB	-	-	-	0	0	0	-	-	0	0	0
A22.TC45	College Lane	A22	4738	4736			EB	-	-	-	0	0	0	-	-	0	0	0
A22.TC46	London Road	College Lane	4742	4738			EB	-	-	-	0	0	0	-	-	0	0	0
A22.TC47	Brooklands Way	London Road	7972	4744			EB	-	-	-	0	0	0	-	-	0	0	0



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**A.9. Strategic and Non-Strategic Modelled Link Flows (Strategic Developments Only)**

CO03022422 Mid Sussex Transport Study - Strategic and Non Strategic Modelled Link Flows (Strategic Developments Only AM Peak)

Strategic Links (Motorway and Trunk Routes)

M23																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To		A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
M23.11	Jct 11	Jct 10A		4294	4454		NB	-	-	19	19	14	-	-	24	28	6
M23.12	Jct 10A	Jct 10		4454	4770		NB	-	-	19	19	15	-	-	34	31	23
M23.13	Jct 10	Jct 9		7318	4946		NB	-	-	11	11	9	-	-	20	18	16
M23.11	Jct 10A	Jct 11		4434	4292		SB	-	-	23	22	23	-	-	42	43	43
M23.12	Jct 10	Jct 10A		4776	4434		SB	-	-	24	23	23	-	-	46	44	44
M23.13	Jct 9	Jct 10		4948	4858		SB	-	-	11	10	10	-	-	20	19	19

A23																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To		A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A23.1	A27	A273		2542	2578		NB	-	-	39	36	36	-	-	72	65	86
A23.2	A273	A281		2658	2672		NB	-	-	32	31	31	-	-	57	55	57
A23.3	A281	B2117		2684	2774		NB	-	-	31	31	31	-	-	56	54	55
A23.4	B2117	B2118		7325	7337		NB	-	-	31	31	31	-	-	56	54	55
A23.5	B2118	A2300		7337	7324		NB	-	-	37	35	35	-	-	65	62	63
A23.6	A2300	A272		3296	3346		NB	-	-	15	11	23	-	-	31	12	13
A23.7	A272	B2115		3600	3658		NB	-	-	119	114	91	-	-	189	181	145
A23.8	B2115	B2110		3680	3878		NB	-	-	105	99	84	-	-	170	163	128
A23.9	B2110	M23		3884	4202		NB	-	-	85	81	72	-	-	146	136	108
A23.10	M23	A2004		4276	4366		NB	-	-	13	11	11	-	-	22	20	19
A23.1	A273	A27		2580	2542		SB	-	-	197	176	174	-	-	353	320	314
A23.2	A281	A273		2670	2664		SB	-	-	87	94	91	-	-	159	90	69
A23.3	B2117	A281		2798	2970		SB	-	-	87	94	91	-	-	158	90	69
A23.4	B2118	B2117		3108	2798		SB	-	-	87	94	91	-	-	158	90	69
A23.5	A2300	B2118		3166	3108		SB	-	-	110	116	113	-	-	203	126	104
A23.6	A272	A2300		3326	3242		SB	-	-	188	189	204	-	-	359	352	360
A23.7	B2115	A272		3638	3516		SB	-	-	114	110	112	-	-	221	212	216
A23.8	B2110	B2115		3872	3664		SB	-	-	90	87	86	-	-	178	170	171
A23.9	M23	B2110		4178	4110		SB	-	-	59	57	58	-	-	110	108	109
A23.10	A2004	M23		4372	4280		SB	-	-	32	31	31	-	-	61	58	59

A27																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To		A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A27.81	A2025	A283		2080	7373		EB	-	-	12	11	12	-	-	23	21	21
A27.82	A283	A23		2254	2256		EB	-	-	15	14	14	-	-	26	23	25
A27.83	A23	A277		2484	2538		EB	-	-	5	1	1	-	-	10	2	1
A27.84	A277	A26		2538	2528		EB	-	-	2	0	0	-	-	4	1	1
A27.81	A283	A2025		7372	7384		WB	-	-	127	117	116	-	-	222	208	206
A27.82	A23	A283		2250	2248		WB	-	-	150	139	138	-	-	266	252	249
A27.83	A277	A23		2538	2484		WB	-	-	6	5	5	-	-	10	11	11
A27.84	A26	A277		2528	2538		WB	-	-	2	2	2	-	-	5	5	5

Strategic Links (Other A Roads)

A264																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To		A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A264.14	M23	A2220		4816	7364		EB	-	-	6	7	4	-	-	11	10	4
A264.15	A2220	B2028		4864	7104		EB	-	-	1	0	0	-	-	2	1	1
A264.16	B2028	B2037		7106	4910		EB	-	-	1	1	1	-	-	3	3	3
A264.17	B2037	A2220		7350	4892		EB	-	-	0	0	0	-	-	0	0	0
A264.14	A2220	M23		7364	4816		WB	-	-	14	13	13	-	-	25	24	25
A264.15	B2028	A2220		7104	4864		WB	-	-	7	6	8	-	-	14	12	17
A264.16	B2037	B2028		4910	7106		WB	-	-	0	0	0	-	-	0	0	1
A264.17	A2220	B2037		4892	7350		WB	-	-	5	4	4	-	-	8	7	7

A22 (B2028 to East Grinstead)																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To		A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A22.18	B2028	A264		4892	5016		NB	-	-	2	2	3	-	-	4	4	5
A22.19	A264	East Grinstead		4848	4876		NB	-	-	2	2	2	-	-	5	4	4
A22.18	A264	B2028		5016	4892		SB	-	-	1	1	0	-	-	1	1	1
A22.19	East Grinstead	A264		4876	4848		SB	-	-	0	0	0	-	-	0	0	0

A22 (East Grinstead to Raven Wood)																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To		A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A22.20	East Grinstead	A275		4114	4348		NB	-	-	5	5	5	-	-	10	13	10
A22.21	A275	Raven Wood		4348	4096		NB	-	-	0	0	0	-	-	0	0	0
A22.20	A275	East Grinstead		4348	4114		SB	-	-	2	2	2	-	-	5	4	4
A22.21	Raven Wood	A275		4096	4131		SB	-	-	0	0	0	-	-	0	0	0

A2300																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To		A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A2300.22	A23	A273		3236	8111		EB	-	-	327	323	338	-	-	642	672	672
A2300.22	A273	A23		8111	3236		WB	-	-	251	242	267	-	-	488	265	284

A272																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To		A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A272.23	A24	A281		3388	3380		EB	-	-	88	83	84	-	-	163	148	150
A272.24	A281	A23		3380	3350		EB	-	-	94	89	88	-	-	174	158	157
A272.25	A23	B2036		3338	3412		EB	-	-	25	14	0	-	-	44	26	21
A272.26	B2036	B2036		3450	3502		EB	-	-	22	32	39	-	-	45	46	93
A272.27	B2036	B2184		3502	3512		EB	-	-	1	1	1	-	-	2	2	2
A272.28	B2184	A273		3512	3492		EB	-	-	9	2	2	-	-	15	6	11
A272.29	A273	B2028		3482	3494		EB	-	-	107	92	98	-	-	222	184	194
A272.30	B2028	B2112		3498	3458		EB	-	-	7	4	8	-	-	16	8	14
A272.31	B2112	B2111		3436	3462		EB	-	-	13	12	12	-	-	24	13	21
A272.32	B2111	A275		3424	3310		EB	-	-	0	0	0	-	-	0	0	0
A272.33	A275	Newick		3252	3250		EB	-	-	19	20	20	-	-	37	38	38
A272.91	Frankton Ave	HH Relief Rd		3426	9109		EB	-	-	0	0	0	-	-	1	0	0
A272.23	A281	A24		3380	3388		WB	-	-	83	74	81	-	-	135	137	133
A272.24	A281	A23		3350	3382		WB	-	-	120	109	114	-	-	213	204	194
A272.25	B2036	A23		3412	3338		WB	-	-	191	183	132	-	-	292	370	271
A272.26	B2036	B2036															

Ref.	From	To	A-Node	B-Node	C-Node	Direction	Base Year	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A2073.34	A283	A281	2612	2646		NB	-	-	-	36	35	33	-	-	78	75	72
A2073.34	A281	A283	2646	2612		SB	-	-	-	20	19	19	-	-	38	31	32

A281																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A281.35	A23	B2117	2662	2752		NB	-	-	-	3	3	3	-	-	6	6	6
A281.36	B2117	A2073	2752	2758		NB	-	-	-	3	3	4	-	-	8	10	20
A281.37	A2073	B2116	2874	2948		NB	-	-	-	3	3	6	-	-	7	6	6
A281.38	B2116	B2116	3002	3110		NB	-	-	-	21	17	15	-	-	44	18	17
A281.39	B2116	A272	3142	3142		NB	-	-	-	1	1	0	-	-	2	1	0
A281.40	A272	B2110	3554	3684		NB	-	-	-	17	16	17	-	-	33	31	31
A281.41	B2110	B2115	3684	3728		NB	-	-	-	17	16	17	-	-	33	31	31
A281.42	B2115	Monks Gate	3728	3748		NB	-	-	-	19	17	18	-	-	36	33	31
A281.35	B2117	A23	2752	2662		SB	-	-	-	6	5	5	-	-	11	11	10
A281.36	A2073	B2117	2758	2752		SB	-	-	-	0	0	0	-	-	0	0	1
A281.37	B2116	A2073	2948	2874		SB	-	-	-	5	5	5	-	-	9	8	8
A281.38	B2116	B2116	3110	3002		SB	-	-	-	8	8	8	-	-	13	14	14
A281.39	A272	B2116	3318	3142		SB	-	-	-	7	7	0	-	-	9	12	10
A281.40	B2110	A272	3684	3554		SB	-	-	-	2	2	0	-	-	3	3	1
A281.41	B2115	B2110	3728	3684		SB	-	-	-	2	2	0	-	-	3	3	0
A281.42	Monks Gate	B2115	3748	3728		SB	-	-	-	12	11	11	-	-	22	21	21

A264																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A264.58	East Grinstead	B2026	4880	4870		EB	-	-	-	0	0	0	-	-	0	0	0
A264.58	B2026	East Grinstead	4870	4880		WB	-	-	-	1	1	1	-	-	1	1	1

A273																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A273.43	A23	B2112	2656	2746		NB	-	-	-	9	6	6	-	-	17	12	11
A273.44	B2112	B2116	2746	2814		NB	-	-	-	13	3	0	-	-	20	17	2
A273.45	B2116	B2036	2974	2974		NB	-	-	-	13	6	2	-	-	22	12	4
A273.46	B2036	A2300	3128	3164		NB	-	-	-	30	21	33	-	-	53	38	58
A273.47	A2300	B2036	3202	3226		NB	-	-	-	26	1	1	-	-	57	2	2
A273.48	B2036	A272	3318	3318		NB	-	-	-	161	106	120	-	-	344	236	223
A273.97	Keymer Rd	A273	3006	3006		NB	-	-	-	-	-	112	-	-	-	-	137
A273.43	B2112	A23	2746	2656		SB	-	-	-	111	83	84	-	-	197	232	247
A273.44	B2116	B2112	2814	2746		SB	-	-	-	88	60	84	-	-	156	189	243
A273.45	B2036	B2116	2974	2716		SB	-	-	-	106	72	97	-	-	195	217	278
A273.46	A2300	B2036	3164	3128		SB	-	-	-	37	18	16	-	-	77	36	44
A273.47	B2036	A2300	3226	3202		SB	-	-	-	193	10	11	-	-	385	48	57
A273.48	A272	B2036	3418	3202		SB	-	-	-	79	62	67	-	-	95	78	83
A273.97	A273	Keymer Rd	3006	3020		SB	-	-	-	-	-	3	-	-	-	-	6

A275																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A275.49	Lewes	B2116	2604	2666		NB	-	-	-	0	0	0	-	-	0	0	0
A275.50	B2116	A272	2736	3212		NB	-	-	-	13	13	12	-	-	25	25	24
A275.51	A272	A22	3322	3570		NB	-	-	-	5	8	7	-	-	9	20	16
A275.49	B2116	Lewes	2666	2604		SB	-	-	-	7	11	11	-	-	13	21	21
A275.50	A272	B2116	3212	2736		SB	-	-	-	14	17	17	-	-	23	31	32
A275.51	A22	A272	3570	3322		SB	-	-	-	4	5	5	-	-	9	7	7

A277																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A277.87	A27	A275	2538	2552		NB	-	-	-	3	1	1	-	-	6	1	1
A277.88	A275	A26	2558	2564		NB	-	-	-	6	7	7	-	-	11	14	14
A277.87	A275	A27	2552	2538		SB	-	-	-	3	3	3	-	-	6	6	6
A277.88	A26	A275	2564	2558		SB	-	-	-	1	1	1	-	-	2	2	2

A2220																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A2220.89	B2036	A264	4716	7368		NB	-	-	-	2	0	2	-	-	5	4	4
A2220.89	A264	B2036	7368	4716		SB	-	-	-	0	0	0	-	-	0	0	0

Northern Arc Spine Rd																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
LR.95	A273	B2036	8109	8115		WB	-	-	-	-	313	295	-	-	502	494	
LR.96	B2036	A2300	8114	8113		WB	-	-	-	-	200	194	-	-	288	268	
LR.94	A273	Leylands Rd	8117	9963		EB	-	-	-	-	227	217	-	-	456	453	
LR.95	B2036	A273	8115	8109		EB	-	-	-	-	190	192	-	-	417	420	
LR.96	A2300	B2036	8113	8114		EB	-	-	-	-	36	49	-	-	69	69	

Haywards Heath Relief Rd																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
HH.92	A273	B2112	3448	9108		EB	-	-	-	30	3	13	-	-	63	5	5
HH.93	B2112	A272	9111	9110		EB	-	-	-	13	12	12	-	-	23	12	21
HH.92	B2112	A273	9108	3448		WB	-	-	-	31	21	28	-	-	50	61	58
HH.93	A272	B2112	9110	9111		WB	-	-	-	8	7	7	-	-	14	12	12

**Non Strategic Links (B Roads)**

B2116																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2116.52	Partridge Green	A281	3116	3110		EB	-	-	-	6	6	6	-	-	11	10	10
B2116.53	A281	B2118	7964	2938		EB	-	-	-	0	0	0	-	-	0	0	0
B2116.54	B2118	B21117	2934	2908		EB	-	-	-	0	0	0	-	-	0	0	0
B2116.55	B2117	A273	2866	2838		EB	-	-	-	0	0	0	-	-	0	0	0
B2116.56	A273	B2112	2828	2822		EB	-	-	-	13	16	16	-	-	21	28	31
B2116.57	B2112	A275	2698	2698		EB	-	-	-	9	10	9	-	-	15	15	15
B2116.52	A281	Partridge Green	3110	3116		WB	-	-	-	23	20	11	-	-	45	22	20
B2116.53	B2118	A281	2938	7964		WB	-	-	-	7	7	7	-	-	15	15	16
B2116.54	B21117	B2118	2908	2934		WB	-	-	-	0	0	1	-	-	1	5	6
B2116.55	A273	B2117	2838	2866		WB	-	-	-	4	4	6	-	-	11	23	16
B2116.56	B2112	A273	2822	2828		WB	-	-	-	4	7	8	-	-	9	3	13
B2116.57	A275	B2112	2698	2698		WB	-	-	-	6	6	6	-	-	10	10	10

B2112																	
Ref.	Link			SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node	Baseline			Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2112.59	A273	B2116	2746	2774		NB	-	-	-	6	6	6	-	-	12	11	10
B2112.60	B2116	B2113	7722	3004		NB	-	-	-	5	5	5	-	-	9	9	9
B2112.90	B2113	A272	7724	3316		NB	-	-	-	5	0	6	-	-	7	11	12
B2112.59	B2116	A273	2778	2746		SB	-	-	-	32	26	0	-	-	56	60	4
B2112.60	B2113	B2116	3004	7722		SB	-	-	-	12	12	12	-	-	23	23	23
B2112.																	

B2117.62	B2118	B2116	7690	2908		NB	-	-	-	8	8	8	-	-	14	14	14
B2117.61	B2118	A281	2790	2752		SB	-	-	-	9	9	10	-	-	19	20	30
B2117.62	B2116	B2118	2908	7690		SB	-	-	-	10	10	11	-	-	21	27	36

B2118																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2118.63	B2117	B2116	2790	2998		NB	-	-	-	0	0	0	-	-	0	0	0
B2118.64	B2116	A23	2938	2984		NB	-	-	-	0	0	0	-	-	0	1	1
B2118.63	B2116	B2117	2898	2790		SB	-	-	-	6	5	5	-	-	11	5	5
B2118.64	A23	B2116	2984	2938		SB	-	-	-	13	12	11	-	-	25	17	16

B2036																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2036.65	A273	A272	3278	7738		NB	-	-	-	224	222	186	-	-	373	460	414
B2036.66	Cuckfield	B2110	3714	3940		NB	-	-	-	16	13	15	-	-	41	28	45
B2036.67	B2110	M23 Jct 10A	4248	4390		NB	-	-	-	8	6	7	-	-	25	14	31
B2036.65	A272	A273	7738	3278		SB	-	-	-	32	23	9	-	-	56	41	31
B2036.66	B2110	Cuckfield	3940	3714		SB	-	-	-	19	16	16	-	-	34	29	29
B2036.67	M23 Jct 10A	B2110	4390	4248		SB	-	-	-	5	4	4	-	-	10	7	7

B2028																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2028.68	Haywards Heath	B2110	3904	4322		NB	-	-	-	44	40	42	-	-	84	76	79
B2028.69	B2110	A264	4760	7780		NB	-	-	-	8	6	8	-	-	16	14	19
B2028.70	B2037	A22	4924	5016		NB	-	-	-	1	0	1	-	-	2	1	1
B2028.68	B2110	Haywards Heath	4322	3904		SB	-	-	-	11	10	10	-	-	17	17	16
B2028.69	A264	B2110	7780	4760		SB	-	-	-	1	1	1	-	-	1	1	1
B2028.70	A22	B2037	5016	4924		SB	-	-	-	2	2	2	-	-	4	4	4

B2037																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2037.71	B2036	B2028	4940	4924		EB	-	-	-	0	0	0	-	-	0	0	0
B2037.71	B2028	B2036	4924	4940		WB	-	-	-	0	0	0	-	-	0	0	1

B2110																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2110.72	A281	B2115	3756	7824		NB	-	-	-	10	10	11	-	-	20	18	21
B2110.73	A23	A23	3830	3886		NB	-	-	-	0	0	0	-	-	0	0	0
B2110.74	A23	B2036	4012	4206		NB	-	-	-	0	0	0	-	-	0	0	0
B2110.75	B2036	B2028	4248	7784		NB	-	-	-	3	3	3	-	-	6	6	6
B2110.76	B2028	East Grinstead	7768	4582		NB	-	-	-	27	25	26	-	-	50	46	43
B2110.72	B2115	A281	7824	3756		SB	-	-	-	2	1	1	-	-	3	2	1
B2110.73	A23	B2115	3886	3830		SB	-	-	-	10	10	6	-	-	9	13	9
B2110.74	B2036	A23	4206	4012		SB	-	-	-	0	0	0	-	-	0	0	0
B2110.75	B2028	B2036	7784	4248		SB	-	-	-	10	9	9	-	-	18	16	17
B2110.76	East Grinstead	B2028	4582	7768		SB	-	-	-	8	7	7	-	-	12	12	12

B2114																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2114.77	B2110	B2115	3774	3796		NB	-	-	-	4	3	5	-	-	12	9	11
B2114.77	B2115	B2110	3796	3774		SB	-	-	-	4	3	3	-	-	7	6	6

B2115																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2115.78	B2110	A23	3788	3670		EB	-	-	-	14	13	14	-	-	25	24	26
B2115.79	A23	B2114	7790	3662		EB	-	-	-	2	0	1	-	-	1	0	0
B2115.80	B2114	Cuckfield	3662	3620		EB	-	-	-	2	1	1	-	-	3	1	1
B2115.78	A23	B2110	3670	3788		WB	-	-	-	7	6	5	-	-	12	9	8
B2115.79	B2114	A23	3662	7790		WB	-	-	-	6	4	8	-	-	14	16	17
B2115.80	Cuckfield	B2114	3620	3662		WB	-	-	-	7	5	10	-	-	21	20	23

**Town Centre Links**

Burgess Hill																	
Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031				
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
<b>A273</b>																	
A273.TC01	B2036	Charles Avenue	3000	3026		NB	-	-	-	14	8	20	-	-	25	17	39
A273.TC02	Charles Avenue	York Road	3026	3074		NB	-	-	-	19	12	25	-	-	34	24	46
A273.TC03	York Road	Malthouse Lane	3074	3128		NB	-	-	-	24	16	29	-	-	43	32	53
A273.TC04	Malthouse Lane	A2300	3164	3188		NB	-	-	-	30	21	33	-	-	53	38	58
A273.TC05	A2300	Sussex Way	3188	3202		NB	-	-	-	31	1	1	-	-	67	1	1
A273.TC06	Sussex Way	B2036	3202	3226		NB	-	-	-	26	1	1	-	-	57	2	2
A273.TC01	Charles Avenue	B2036	3026	3000		SB	-	-	-	16	5	6	-	-	32	5	7
A273.TC02	York Road	Charles Avenue	3074	3026		SB	-	-	-	24	10	11	-	-	47	13	16
A273.TC03	York Road	Malthouse Lane	3128	3074		SB	-	-	-	27	13	11	-	-	54	14	17
A273.TC04	A2300	Malthouse Lane	3188	3164		SB	-	-	-	37	18	16	-	-	77	36	44
A273.TC05	Sussex Way	A2300	3202	3188		SB	-	-	-	208	8	8	-	-	414	54	56
A273.TC06	B2036	Sussex Way	3226	3202		SB	-	-	-	193	10	11	-	-	385	48	57
<b>B2036</b>																	
32036.TC01	A273	B2113	7730	3078		NB	-	-	-	5	3	2	-	-	7	8	7
32036.TC02	B2113	Victoria Way	3078	3086		NB	-	-	-	12	5	5	-	-	17	14	11
32036.TC03	Victoria Way	Royal George Road	3086	3102		NB	-	-	-	12	5	5	-	-	16	14	11
32036.TC10	toyal George Road	West Street	3102	3150		NB	-	-	-	6	4	4	-	-	10	9	9
32036.TC11	West Street	Leylands Road	3150	3158		NB	-	-	-	7	4	4	-	-	10	9	9
32036.TC11	B2113	A273	3078	7730		SB	-	-	-	101	80	10	-	-	184	240	196
32036.TC01	Victoria Way	B2113	3086	3078		SB	-	-	-	93	6	6	-	-	165	93	112
32036.TC02	toyal George Road	Victoria Way	3102	3086		SB	-	-	-	98	10	13	-	-	174	108	126
32036.TC03	West Street	Royal George Road	3150	3102		SB	-	-	-	106	10	13	-	-	189	108	126
32036.TC11	Leylands Road	West Street	3158	3150		SB	-	-	-	107	10	14	-	-	192	113	126
32036.TC11	A273	B2113	7730	3078		SB	-	-	-	5	3	2	-	-	7	8	7
32036.TC12	B2113	Victoria Way	3078	3086		SB	-	-	-	12	5	5	-	-	17	14	11
<b>B2113</b>																	
32113.TC11	B2036	Civic Way	3078	3082		EB	-	-	-	1	1	0	-	-	1	1	0
32113.TC14	Civic Way	Mill Road	3082	6035		EB	-	-	-	2	1	1	-	-	4	2	1
32113.TC11	Mill Road	Keymer Road	6035	3056		EB	-	-	-	25	33	101	-	-	47	70	126
32113.TC11	Keymer Road	Kingsway	3020	3012		EB	-	-	-	9	3	9	-	-	17		



JR.TC25	Janes Lane	Leylands Road	3200	3192			SB	-	-	-	32	41	32	-	-	83	59	53
JR.TC26	B2112	Janes Lane	3248	3200			SB	-	-	-	5	6	6	-	-	33	10	10

**Haywards Heath**

Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
<b>B2028</b>																		
32028.TC21	Broadway Court	Sydney Road	3498	3558			NB	-	-	-	0	0	0	-	-	0	0	0
32028.TC21	Sydney Road	B2112	3558	3566			NB	-	-	-	76	66	69	-	-	156	133	137
32028.TC21	B2112	Summerhill Lane	3566	3574			NB	-	-	-	84	74	77	-	-	162	138	146
32028.TC31	Summerhill Lane	B2111	3574	3596			NB	-	-	-	27	22	23	-	-	53	39	45
32028.TC21	Sydney Road	Broadway Court	3558	3498			SB	-	-	-	0	0	0	-	-	0	0	0
32028.TC21	Sydney Road	B2112	3596	3558			SB	-	-	-	10	9	9	-	-	16	17	17
32028.TC21	B2112	Summerhill Lane	3574	3566			SB	-	-	-	11	10	10	-	-	18	19	19
32028.TC31	Summerhill Lane	B2111	3596	3574			SB	-	-	-	10	9	9	-	-	17	18	18
<b>B2112</b>																		
32112.TC31	Church Road	B2028	7750	3566			NB	-	-	-	8	7	8	-	-	6	5	9
32112.TC31	Church Road	A272	3458	3476			NB	-	-	-	9	8	9	-	-	8	7	11
32112.TC31	B2028	Church Road	3566	7750			SB	-	-	-	1	1	1	-	-	2	2	2
32112.TC31	A272	Church Road	3476	3458			SB	-	-	-	1	1	1	-	-	2	2	2
<b>Paddockhall Road</b>																		
PR.TC33	A272	Market Place	3494	7754			NB	-	-	-	91	81	84	-	-	185	162	164
PR.TC33	Market Place	A272	7754	3494			SB	-	-	-	32	29	29	-	-	39	38	39
<b>Church Road</b>																		
CR.TC34	A272	B2112	3488	3484			EB	-	-	-	7	7	7	-	-	14	13	13
CR.TC34	B2112	A272	3484	3488			WB	-	-	-	4	4	4	-	-	7	7	7
<b>Mill Green Road</b>																		
CR.TC35	Sydney Road	College Road	3558	7756			NB	-	-	-	4	4	4	-	-	8	9	8
CR.TC35	College Road	Sydney Road	7756	3558			SB	-	-	-	17	16	15	-	-	14	13	14
<b>Summerhill Lane</b>																		
CR.TC36	B2028	Gander Hill	3574	3598			NB	-	-	-	56	52	54	-	-	109	99	101
CR.TC36	Gander Hill	B2028	3598	3574			SB	-	-	-	1	1	1	-	-	1	1	1

**East Grinstead**

Ref.	Link		SATURN Node List			Direction	Base Year	2021					2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
<b>A22</b>																		
A22.TC37	Station Road	A264	7113	4794			SB	-	-	-	4	4	4	-	-	8	8	7
A22.TC38	A264	London Road	4794	4782			SB	-	-	-	1	1	1	-	-	1	1	1
A22.TC39	London Road	B2110	7111	4772			SB	-	-	-	0	0	0	-	-	0	0	0
A22.TC40	London Road	B2110	-	-			SB	-	-	-	-	-	-	-	-	-	-	-
A22.TC41	B2110	London Road	-	-			SB	-	-	-	-	-	-	-	-	-	-	-
A22.TC37	A264	Station Road	-	-			NB	-	-	-	-	-	-	-	-	-	-	-
A22.TC38	London Road	A264	-	-			NB	-	-	-	-	-	-	-	-	-	-	-
A22.TC39	B2110	London Road	4772	7111			NB	-	-	-	0	0	0	-	-	0	0	0
A22.TC40	B2110	London Road	7112	7115			NB	-	-	-	0	1	1	-	-	1	1	1
A22.TC41	London Road	B2110	7114	7113			NB	-	-	-	12	11	11	-	-	23	21	20
<b>A264</b>																		
A22.TC42	A22	B2110	4794	4832			NB	-	-	-	4	4	4	-	-	7	7	6
A22.TC42	B2110	A22	4832	4794			SB	-	-	-	0	0	0	-	-	0	0	0
<b>B2110</b>																		
A22.TC43	A264	Estcots Drive	4832	4780			SB	-	-	-	2	2	2	-	-	3	3	3
A22.TC44	Estcots Drive	Lewes Road	4780	4738			SB	-	-	-	3	2	2	-	-	5	4	4
A22.TC45	A22	College Lane	4738	4738			WB	-	-	-	1	1	1	-	-	1	1	1
A22.TC46	College Lane	London Road	4738	4742			WB	-	-	-	4	3	3	-	-	5	5	5
A22.TC47	London Road	Brooklands Way	4744	7972			WB	-	-	-	4	3	3	-	-	5	5	5
A22.TC43	Estcots Drive	A264	4780	4832			NB	-	-	-	0	0	0	-	-	0	0	1
A22.TC44	Lewes Road	Estcots Drive	4738	4780			NB	-	-	-	3	2	2	-	-	5	3	5
A22.TC45	College Lane	A22	4738	4736			EB	-	-	-	0	0	0	-	-	0	0	0
A22.TC46	London Road	College Lane	4742	4738			EB	-	-	-	3	2	2	-	-	5	3	5
A22.TC47	Brooklands Way	London Road	7972	4744			EB	-	-	-	2	2	2	-	-	4	2	0



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**A.10. Strategic and Non-Strategic Modelled Link Flows (East of Kingsway Contribution %age)**

C03022422 Mid Sussex Transport Study - Strategic and Non Strategic Modelled Link Flows (East of Kingsway Contribution (I) AM Peak)

Strategic Links (Motorway and Trunk Routes)

Ref.	Link	SATURN Node List			Direction	Base Year	M23										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
M23.11	Jct 11	Jct 10A	4294	4454	NB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
M23.12	Jct 10A	Jct 10	4454	4770	NB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.1%	0.1%	0.1%
M23.13	Jct 10	Jct 9	4770	4946	NB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
M23.14	Jct 10A	Jct 11	4454	4292	SB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
M23.12	Jct 10	Jct 10A	4770	4434	SB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
M23.13	Jct 9	Jct 10	4948	4858	SB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
						0.1%	0.0%										

Key	Criteria
Green	Link RFC <75%
Yellow	Link RFC 75%-85%
Orange	Link RFC 85%-100%
Red	Link RFC 100%+

Ref.	Link	SATURN Node List			Direction	Base Year	A23										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A23.1	A27	A273	2542	2578	NB	-	-	-	0.1%	0.1%	0.1%	-	-	-	0.1%	0.1%	0.1%
A23.2	A273	A281	2658	2672	NB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A23.3	A281	B2117	2684	2774	NB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A23.4	B2117	B2118	2725	7337	NB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A23.5	B2118	A2300	7337	7324	NB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A23.6	A2300	A272	3296	3346	NB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A23.7	A272	B2115	3600	3658	NB	-	-	-	0.2%	0.2%	0.2%	-	-	-	0.3%	0.3%	0.3%
A23.8	B2115	B2110	3680	3878	NB	-	-	-	0.2%	0.2%	0.2%	-	-	-	0.3%	0.3%	0.2%
A23.9	B2110	M23	3884	4202	NB	-	-	-	0.1%	0.2%	0.1%	-	-	-	0.3%	0.2%	0.2%
A23.10	M23	A2004	4276	4356	NB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A23.11	A273	A27	2580	2542	SB	-	-	-	0.8%	0.8%	0.8%	-	-	-	1.5%	1.4%	1.4%
A23.2	A281	A273	2670	2664	SB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A23.3	B2117	A281	2798	2670	SB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A23.4	B2118	B2117	3108	2798	SB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A23.5	A2300	B2118	3166	3108	SB	-	-	-	0.1%	0.1%	0.0%	-	-	-	0.1%	0.1%	0.1%
A23.6	A272	A2300	3326	3242	SB	-	-	-	0.1%	0.1%	0.1%	-	-	-	0.2%	0.1%	0.1%
A23.7	B2115	A272	3638	3516	SB	-	-	-	0.1%	0.1%	0.1%	-	-	-	0.1%	0.1%	0.1%
A23.8	B2110	B2115	3872	3664	SB	-	-	-	0.1%	0.1%	0.1%	-	-	-	0.1%	0.1%	0.1%
A23.9	M23	B2110	4178	4110	SB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.1%	0.1%
A23.10	A2004	M23	4372	4280	SB	-	-	-	0.1%	0.1%	0.1%	-	-	-	0.2%	0.2%	0.2%
						1.5%	0.0%										

Ref.	Link	SATURN Node List			Direction	Base Year	A27										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A27.81	A2025	A283	2980	7373	EB	-	-	-	0.1%	0.1%	0.1%	-	-	-	0.1%	0.1%	0.1%
A27.82	A283	A23	2254	2256	EB	-	-	-	0.1%	0.1%	0.1%	-	-	-	0.1%	0.1%	0.1%
A27.83	A23	A277	2484	2538	EB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A27.84	A277	A28	2538	2528	EB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A27.81	A283	A2025	7372	2094	WB	-	-	-	1.0%	0.9%	0.9%	-	-	-	1.7%	1.6%	1.6%
A27.82	A23	A283	2250	2248	WB	-	-	-	0.7%	0.6%	0.6%	-	-	-	1.2%	1.1%	1.1%
A27.83	A277	A23	2538	2404	WB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A27.84	A26	A277	2528	2538	WB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
						1.7%	0.0%										

Ref.	Link	SATURN Node List			Direction	Base Year	A264										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A264.14	M23	A2220	4816	7364	EB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A264.15	A2220	B2028	4864	7104	EB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A264.16	B2028	B2037	7106	4910	EB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.1%	0.1%	0.1%
A264.17	B2037	A2220	7350	4892	EB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A264.14	A2220	M23	7364	4816	WB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A264.15	B2028	A2220	7104	4864	WB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.1%	0.1%	0.1%
A264.16	B2037	B2028	4910	7106	WB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A264.17	A2220	B2037	4892	7350	WB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
						0.1%	0.0%										

Ref.	Link	SATURN Node List			Direction	Base Year	A22 (B2028 to East Grinstead)										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A22.18	B2028	A264	4892	5016	NB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.1%	0.1%	0.1%
A22.19	A264	East Grinstead	4848	4876	NB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A22.18	A264	B2028	5016	4892	SB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A22.19	East Grinstead	A264	4876	4848	SB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
						0.1%	0.0%										

Ref.	Link	SATURN Node List			Direction	Base Year	A22 (East Grinstead to Raven Wood)										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A22.20	East Grinstead	A275	4114	4348	NB	-	-	-	0.3%	0.3%	0.3%	-	-	-	0.6%	0.5%	0.5%
A22.21	Raven Wood	A275	4096	4114	NB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A22.20	A275	East Grinstead	4348	4114	SB	-	-	-	0.2%	0.2%	0.2%	-	-	-	0.4%	0.4%	0.4%
A22.21	Raven Wood	A275	4096	8131	SB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
						0.6%	0.0%										

Ref.	Link	SATURN Node List			Direction	Base Year	A2300										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A2300.22	A23	A273	3236	8111	EB	-	-	-	0.3%	0.2%	0.4%	-	-	-	0.6%	0.4%	0.4%
A2300.22	A273	A23	8111	3236	WB	-	-	-	0.5%	0.4%	0.4%	-	-	-	0.8%	0.7%	0.7%
						0.8%	0.2%										

Ref.	Link	SATURN Node List			Direction	Base Year	A272										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A272.23	A24	A281	3388	3380	EB	-	-	-	0.2%	0.2%	0.2%	-	-	-	0.3%	0.3%	0.3%
A272.24	A281	A23	3382	3350	EB	-	-	-	0.2%	0.2%	0.2%	-	-	-	0.3%	0.3%	0.3%
A272.25	A23	B2036	3338	3412	WB	-	-	-	0.0%	0.4%	0.0%	-	-	-	0.0%	0.4%	0.0%
A272.26	B2036	B2036	3450	3502	EB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A272.27	B2036	B2184	3502	3512	EB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A272.28	B2184	A273	3492	3492	EB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A272.29	A273	B2028	3482	3494	EB	-	-	-	0.2%	0.2%	0.1%	-	-	-	0.3%	0.3%	0.2%
A272.30	B2028	B2112	3488	3458	EB	-	-	-	0.0%	0.0%	0.0%	-	-				

Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A264.58	East Grinstead	B2026	4880	4870		EB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A264.58	B2026	East Grinstead	4880	4870		WB	-	-	0.1%	0.0%	0.0%	-	-	0.1%	0.1%	0.1%
0.1%																
A273																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A273.43	A23	B2112	2656	2746		NB	-	-	0.3%	0.2%	0.2%	-	-	0.3%	0.4%	0.4%
A273.44	B2112	B2116	2746	2814		NB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A273.45	B2116	B2036	7716	2974		NB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A273.46	B2036	A2300	3129	3154		NB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.1%	0.0%
A273.47	A2300	B2036	3202	3226		NB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A273.48	B2036	A272	7740	3418		NB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A273.97	Keymer Rd	A273	3020	3036		NB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A273.44	B2112	A23	2746	2656		SB	-	-	3.6%	3.6%	3.6%	-	-	4.2%	5.8%	5.6%
A273.44	B2116	B2112	2814	2746		SB	-	-	0.1%	0.2%	4.8%	-	-	0.2%	0.2%	7.1%
A273.45	B2036	B2116	2974	7716		SB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	1.7%	6.2%
A273.46	A2300	B2036	3164	3128		SB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A273.47	B2036	A2300	3226	3202		SB	-	-	1.8%	0.0%	0.0%	-	-	3.2%	0.0%	0.0%
A273.48	A272	B2036	3418	7740		SB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A273.97	A273	Keymer Rd	3036	3020		SB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
9.0%																
A275																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A275.49	Lewes	B2116	2604	2666		NB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A275.50	B2116	A272	7369	3212		NB	-	-	0.7%	0.7%	0.7%	-	-	1.5%	1.4%	1.4%
A275.51	A272	A22	3522	3570		NB	-	-	1.0%	1.0%	1.0%	-	-	2.0%	1.8%	1.8%
A275.49	B2116	Lewes	2666	2604		SB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A275.50	A272	B2116	3212	7369		SB	-	-	0.0%	0.0%	0.1%	-	-	0.0%	0.0%	0.2%
A275.51	A22	A272	3570	3522		SB	-	-	0.4%	0.5%	0.5%	-	-	0.8%	0.8%	0.8%
2.0%																
A277																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A277.87	A27	A275	2538	2552		NB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A277.88	A275	A26	2558	2564		NB	-	-	0.3%	0.3%	0.3%	-	-	0.5%	0.5%	0.5%
A277.87	A275	A27	2552	2538		SB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A277.88	A26	A275	2564	2558		SB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
0.5%																
A2220																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A2220.89	B2036	A264	4716	7369		NB	-	-	0	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A2220.89	A264	B2036	7369	4716		SB	-	-	1.7%	1.0%	0.0%	-	-	0.0%	0.0%	0.0%
19.1%																
Northern Arc Spine Rd																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
LR.95	A273	B2036	8109	8115		WB	-	-	-	3.7%	3.4%	-	-	8.1%	7.3%	
LR.96	B2036	A2300	8114	8113		WB	-	-	-	1.4%	1.4%	-	-	4.8%	5.4%	
LR.94	A273	Leylands Rd	8117	9893		EB	-	-	-	2.0%	1.2%	-	-	1.6%	1.8%	
LR.95	B2036	A273	8115	8109		EB	-	-	-	0.8%	0.8%	-	-	1.3%	1.3%	
LR.96	A2300	B2036	8113	8114		EB	-	-	-	0.6%	1.0%	-	-	1.3%	1.3%	
8.1%																
Haywards Heath Relief Rd																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
HH.92	A273	B2112	3448	9108		EB	-	-	0.8%	1.0%	0.8%	-	-	1.5%	2.0%	1.9%
HH.93	B2112	A272	9110	9110		EB	-	-	1.9%	0.8%	0.8%	-	-	1.1%	1.2%	1.9%
HH.92	B2112	A273	9108	3448		WB	-	-	1.3%	1.1%	1.1%	-	-	6.5%	5.5%	4.3%
HH.93	A272	B2112	9110	9111		WB	-	-	0.1%	0.1%	0.1%	-	-	0.2%	0.2%	0.2%
6.5%																
Non Strategic Links (B Roads)																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
B2116.52	Partridge Green	A281	3116	3110		EB	-	-	0.1%	0.0%	0.0%	-	-	0.1%	0.1%	0.1%
B2116.53	A281	B2118	7964	2938		EB	-	-	0.0%	0.0%	0.1%	-	-	0.0%	0.0%	0.1%
B2116.54	B2118	B2117	2938	2908		EB	-	-	0.0%	0.0%	0.1%	-	-	0.0%	0.0%	0.1%
B2116.55	B2117	A273	2966	2938		EB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2116.56	A273	B2112	2828	2822		EB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2116.57	B2112	A275	7672	2698		EB	-	-	0.2%	0.3%	0.3%	-	-	0.6%	0.5%	0.6%
B2116.52	A281	Partridge Green	3110	3116		WB	-	-	0.2%	0.2%	0.2%	-	-	0.3%	0.3%	0.3%
B2116.53	B2118	A281	2938	7964		WB	-	-	0.3%	0.3%	0.3%	-	-	0.5%	0.8%	1.2%
B2116.54	B2117	B2118	2908	2934		WB	-	-	0.0%	0.0%	0.2%	-	-	0.0%	0.5%	0.6%
B2116.55	A273	B2117	2938	2966		WB	-	-	0.0%	0.0%	0.1%	-	-	0.0%	1.8%	2.0%
B2116.56	B2112	A273	2822	2828		WB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2116.57	A275	B2112	2698	7672		WB	-	-	0.2%	0.2%	0.2%	-	-	0.3%	0.3%	0.3%
2.5%																
B2112																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
B2112.59	A273	B2116	2746	2778		NB	-	-	0.5%	0.2%	0.5%	-	-	0.9%	0.8%	0.8%
B2112.60	B2116	B2113	7722	3004		NB	-	-	0.9%	0.9%	0.9%	-	-	0.6%	0.4%	0.9%
B2112.90	B2113	A272	7724	3316		NB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2112.59	B2116	A273	2778	2746		SB	-	-	5.9%	6.1%	6.0%	-	-	11.1%	11.3%	11.2%
B2112.60	B2113	B2116	3004	7722		SB	-	-	2.0%	2.0%	2.0%	-	-	3.7%	3.7%	3.6%
B2112.90	A272	B2113	3316	7724		SB	-	-	0.0%	0.0%	0.1%	-	-	0.0%	0.0%	0.0%
11.3%																
B2117																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
B2117.61	A281	B2118	2752	2790		NB	-	-	0.0%	0.0%	0.2%	-	-	0.0%	0.0%	0.5%
B2117.62	B2118	B2116	7680	2908		NB	-	-	0.0%	0.0%	0.1%	-	-	0.1%	0.1%	0.3%
B2117.61	B2116	A281	2790	2752		SB	-	-	0.0%	2.5%	0.0%	-	-	0.6%	4.7%	4.5%
B2117.62	B2118	B2118	7680	7690		SB	-	-	0.0%	0.0%	0.0%	-	-	0.1%	1.8%	0.9%
6.6%																
B2118																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
B2118.63	B2117	B2116	2790	2898		NB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2118.64	B2116	A23	2938	2984		NB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2118.63	B2116	B2117	2898	2790		SB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2118.64	A23	B2116	2938	2938		SB	-	-	0.3%	0.3%	0.3%	-	-	0.6%	0.1%	0.0%
0.6%																
B2036																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node													

Ref.	Link	SATURN Node List					Direction	Base Year	Baseline	Reference Case	2021			2031			
From	To	A-Node	B-Node	C-Node						Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2110.74	B2036 A23	4206	4012			SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2110.75	B2026 B2036	7784	4248			SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2110.76	East Grinstead B2028	4582	7768			SB	-	-	-	0.1%	0.1%	0.1%	-	-	0.1%	0.1%	0.1%
<b>B2114</b>																	
B2114.77	B2110 B2115	3774	3796			NB	-	-	-	0.5%	0.3%	0.4%	-	-	2.2%	0.7%	1.6%
B2114.77	B2115 B2110	3796	3774			SB	-	-	-	0.1%	0.1%	0.0%	-	-	0.3%	0.1%	0.1%
<b>B2115</b>																	
B2115.78	B2110 A23	3788	3670			EB	-	-	-	0.3%	0.1%	0.3%	-	-	0.5%	0.1%	0.5%
B2115.79	A23 B2114	3662	3662			EB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2115.80	B2114 Cuckfield	3662	3620			EB	-	-	-	0.1%	0.0%	0.0%	-	-	0.1%	0.0%	0.1%
B2115.78	A23 B2110	3670	3788			WB	-	-	-	0.2%	0.2%	0.2%	-	-	0.7%	0.3%	0.3%
B2115.79	A23 B2114	3662	3662			WB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2115.80	Cuckfield B2114	3620	3662			WB	-	-	-	0.2%	0.1%	0.1%	-	-	0.8%	0.3%	0.5%
<b>Town Centre Links</b>																	
<b>Burgess Hill</b>																	
<b>A273</b>																	
A273.TC01	B2036 Charles Avenue	3000	3026			NB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.1%	0.3%
A273.TC02	Charles Avenue York Road	3026	3074			NB	-	-	-	0.0%	0.0%	0.1%	-	-	0.0%	0.2%	0.8%
A273.TC03	York Road Malthouse Lane	3074	3128			NB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.2%	0.8%
A273.TC04	Malthouse Lane A2300	3164	3188			NB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.1%	0.3%
A273.TC05	A2300 Sussex Way	3188	3202			NB	-	-	-	0.0%	0.0%	0.0%	-	-	1.3%	0.0%	0.0%
A273.TC06	Sussex Way B2036	3202	3226			NB	-	-	-	0.6%	0.0%	0.0%	-	-	1.6%	0.0%	0.0%
A273.TC07	Charles Avenue B2036	3226	3000			SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A273.TC08	York Road Charles Avenue	3074	3026			SB	-	-	-	0.0%	0.0%	0.1%	-	-	0.0%	0.0%	0.3%
A273.TC09	Malthouse Lane York Road	3128	3074			SB	-	-	-	0.0%	0.0%	0.1%	-	-	0.0%	0.0%	0.2%
A273.TC10	A2300 Malthouse Lane	3188	3164			SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A273.TC11	Sussex Way A2300	3202	3188			SB	-	-	-	1.6%	0.0%	0.0%	-	-	3.1%	0.0%	0.0%
A273.TC12	Sussex Way B2036	3226	3202			SB	-	-	-	1.8%	0.0%	0.0%	-	-	3.2%	0.0%	0.0%
<b>B2036</b>																	
B2036.TC01	A273 B2113	7730	3078			NB	-	-	-	0.1%	0.1%	0.0%	-	-	0.2%	0.1%	0.0%
B2036.TC02	B2113 Victoria Way	3078	3086			NB	-	-	-	0.2%	0.3%	0.4%	-	-	0.4%	0.6%	0.7%
B2036.TC03	Victoria Way Royal George Road	3086	3102			NB	-	-	-	0.0%	0.2%	0.3%	-	-	0.0%	0.5%	0.8%
B2036.TC04	Royal George Road West Street	3102	3150			NB	-	-	-	0.0%	0.0%	0.0%	-	-	0.1%	0.0%	0.0%
B2036.TC11	West Street Leylands Road	3150	3158			NB	-	-	-	0.0%	0.0%	0.0%	-	-	0.1%	0.0%	0.0%
B2036.TC12	B2113 A273	3078	7730			SB	-	-	-	0.8%	0.9%	0.2%	-	-	1.8%	1.8%	0.4%
B2036.TC13	Victoria Way B2113	3086	3078			SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2036.TC14	Royal George Road Victoria Way	3102	3086			SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2036.TC15	West Street Royal George Road	3102	3102			SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2036.TC16	Leylands Road West Street	3150	3150			SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.3%	0.0%	0.0%
B2036.TC17	A273 B2113	7730	3078			SB	-	-	-	0.1%	0.1%	0.0%	-	-	0.2%	0.1%	0.0%
B2036.TC18	B2113 Victoria Way	3078	3086			SB	-	-	-	0.2%	0.3%	0.4%	-	-	0.4%	0.6%	0.7%
<b>B2113</b>																	
B2113.TC11	B2036 Civic Way	3078	3082			EB	-	-	-	0.1%	0.1%	0.0%	-	-	0.2%	0.2%	0.1%
B2113.TC14	Civic Way Mill Road	3082	6035			EB	-	-	-	0.1%	0.1%	0.1%	-	-	0.2%	0.2%	0.2%
B2113.TC15	Mill Road Keymer Road	6035	3096			EB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2113.TC16	Keymer Road Kingsway	3020	3012			EB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2113.TC17	Kingsway B2112	3012	3004			EB	-	-	-	3.1%	3.2%	2.8%	-	-	6.3%	6.5%	5.7%
B2113.TC18	Civic Way B2036	3082	3078			WB	-	-	-	0.9%	0.9%	0.8%	-	-	2.1%	2.1%	1.1%
B2113.TC19	Mill Road Civic Way	6035	3082			WB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2113.TC20	Keymer Road Mill Road	6035	6035			WB	-	-	-	1.0%	1.2%	0.9%	-	-	2.2%	2.7%	2.0%
B2113.TC21	Keymer Road Kingsway	3012	3020			WB	-	-	-	8.7%	4.7%	5.9%	-	-	10.0%	8.8%	12.3%
B2113.TC22	B2112 Kingsway	3004	3012			WB	-	-	-	0.6%	0.6%	0.8%	-	-	1.1%	1.0%	1.1%
<b>Leylands Road</b>																	
LR.TC18	B2036 Mill Road	7732	3172			EB	-	-	-	1.1%	0.1%	0.1%	-	-	1.3%	0.1%	0.1%
LR.TC19	Mill Road Junction Road	3182	3192			EB	-	-	-	1.2%	1.0%	1.3%	-	-	2.2%	1.8%	1.9%
LR.TC18	Mill Road B2036	3172	3182			WB	-	-	-	5.0%	6.0%	6.2%	-	-	7.5%	11.2%	10.1%
LR.TC19	Junction Road Mill Road	3192	3182			WB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
<b>James Lane</b>																	
JL.TC20	Junction Road B2112	3200	3170			EB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
JL.TC20	Junction Road B2112	3170	3200			WB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
<b>Junction Road</b>																	
JR.TC21	B2116 B2113	2902	3020			NB	-	-	-	0.8%	0.9%	0.5%	-	-	1.1%	1.4%	0.9%
JR.TC22	B2113 B2113	7728	3056			NB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
JR.TC23	B2113 Cants Lane	3056	3146			NB	-	-	-	0.2%	0.2%	0.1%	-	-	0.3%	0.4%	0.2%
JR.TC24	Cants Lane Leylands Road	7726	3192			NB	-	-	-	12.4%	11.8%	10.3%	-	-	21.2%	21.2%	19.3%
JR.TC25	Leylands Road James Lane	3192	3200			NB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
JR.TC26	James Lane B2112	3200	3248			NB	-	-	-	5.3%	4.4%	4.8%	-	-	10.3%	8.2%	9.0%
JR.TC21	B2113 B2116	3020	2902			SB	-	-	-	4.7%	4.8%	0.2%	-	-	8.6%	8.0%	0.5%
JR.TC22	B2113 B2113	3056	7728			SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
JR.TC23	Cants Lane B2113	3146	3056			SB	-	-	-	2.0%	2.6%	1.5%	-	-	4.2%	5.6%	2.7%
JR.TC24	Leylands Road Cants Lane	3192	7726			SB	-	-	-	3.9%	3.9%	3.9%	-	-	8.6%	8.4%	5.8%
JR.TC25	James Lane Leylands Road	3200	3192			SB	-	-	-	0.7%	0.7%	0.8%	-	-	0.9%	1.3%	1.2%
JR.TC26	B2112 James Lane	3248	3200			SB	-	-	-	1.3%	1.3%	1.3%	-	-	1.5%	2.3%	2.2%
<b>Hoysteads Heath</b>																	
<b>B2028</b>																	
B2028.TC21	Broadway Court Sydney Road	3498	3558			NB	-	-	-	#DIV/0!	#DIV/0!	#DIV/0!	-	-	#DIV/0!	#DIV/0!	#DIV/0!
B2028.TC22	B2112 Sydney Road	3558	3586			NB	-	-	-	0.0%	0.0%	0.0%	-	-	1.1%	1.1%	0.8%
B2028.TC23	B2112 Summerhill Lane	3574	3574			NB	-	-	-	1.0%	1.0%	0.9%	-	-	2.1%	1.9%	1.0%
B2028.TC24	Sydney Road Broadway Court	3558	3498			SB	-	-	-	0.0%	0.0%	0.0%	-	-	1.2%	1.1%	1.3%
B2028.TC25	Sydney Road B2112	3586	3558			SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2028.TC26	B2112 Summerhill Lane	3574	3566			SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.8%	0.7%	0.8%
B2028.TC27	B2111 Summerhill Lane	3596	3574			SB	-	-	-	0.2%	0.2%	0.2%	-	-	0.3%	0.2%	0.3%
<b>B2112</b>																	
B2112.TC31	Church Road B2028	7750	3566			NB	-	-	-	1.4%	1.3%	1.3%	-	-	1.1%	0.7%	1.4%
B2112.TC32	Church Road A272	3458	3476			NB	-	-	-	1.7%	1.6%	1.4%	-	-	1.4%	0.8%	1.6%
B2112.TC31	B2028 Church Road	3566	7750			SB	-	-	-	0.3%	0.3%	0.3%	-	-	0.0%	0.5%	0.5%
B2112.TC32	A272 Church Road	3476	3458			SB	-	-	-	0.3%	0.2%	0.2%	-	-	0.4%	0.4%	0.4%
<b>Paddockhall Road</b>																	
PR.TC33	A272 Market Place	3484	7754			NB	-	-	-	0.3%	0.3%	0.3%	-	-	1.5%	1.6%	1.0%
PR.TC33	Market Place A272	7754	3484			SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%



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**A.11. Strategic and Non-Strategic Modelled Link Flows (Northern Arc Contribution %age)**

C03022422 Mid Sussex Transport Study - Strategic and Non Strategic Modelled Link Flows (Northern Arc Contribution (Phase) AM Peak)

Strategic Links (Motorway and Trunk Routes)

Ref.	Link	SATURN Node List			Direction	Base Year	M23									
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031		
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1
M23.11	Jct 11	Jct 10A	4294	4454	NB	-	-	-	0.4%	0.4%	0.3%	-	-	0.6%	0.7%	0.1%
M23.12	Jct 10A	Jct 10	4454	4770	NB	-	-	-	0.4%	0.4%	0.3%	-	-	0.7%	0.6%	0.4%
M23.13	Jct 10	Jct 9	4770	4946	NB	-	-	-	0.6%	0.6%	0.6%	-	-	0.6%	0.6%	0.3%
M23.14	Jct 10A	Jct 11	4454	4292	SB	-	-	-	0.1%	0.1%	0.1%	-	-	0.2%	0.3%	0.3%
M23.12	Jct 10	Jct 10A	4770	4434	SB	-	-	-	0.1%	0.1%	0.1%	-	-	0.2%	0.2%	0.2%
M23.13	Jct 9	Jct 10	4948	4858	SB	-	-	-	0.1%	0.1%	0.1%	-	-	0.1%	0.1%	0.1%
						0.7%	0.1%									

Key	Criteria
Green	Link RFC <75%
Yellow	Link RFC 75%-85%
Orange	Link RFC 85%-100%
Red	Link RFC 100%+

Ref.	Link	SATURN Node List			Direction	Base Year	A23									
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031		
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1
A23.1	A27	A273	2542	2578	NB	-	-	-	0.2%	0.2%	0.2%	-	-	0.3%	0.3%	0.3%
A23.2	A273	A281	2658	2672	NB	-	-	-	0.1%	0.1%	0.1%	-	-	0.2%	0.1%	0.2%
A23.3	A281	B2117	2684	2774	NB	-	-	-	0.1%	0.1%	0.1%	-	-	0.2%	0.2%	0.2%
A23.4	B2117	B2118	7325	7337	NB	-	-	-	0.1%	0.1%	0.1%	-	-	0.2%	0.2%	0.2%
A23.5	B2118	A2300	7337	7324	NB	-	-	-	0.1%	0.1%	0.1%	-	-	0.2%	0.2%	0.2%
A23.6	A2300	A272	3236	3346	NB	-	-	-	0.2%	0.1%	0.5%	-	-	0.6%	0.1%	0.1%
A23.7	A272	B2115	3600	3658	NB	-	-	-	2.4%	2.2%	2.8%	-	-	3.7%	3.5%	2.8%
A23.8	B2115	B2110	3680	3878	NB	-	-	-	2.0%	1.9%	1.6%	-	-	3.3%	3.1%	2.4%
A23.9	B2110	M23	3884	4202	NB	-	-	-	1.7%	1.6%	1.4%	-	-	2.9%	2.7%	2.1%
A23.10	M23	A2004	4276	4356	NB	-	-	-	0.6%	0.6%	0.5%	-	-	1.6%	1.6%	0.9%
A23.11	A273	A27	2580	2542	SB	-	-	-	5.3%	4.7%	4.7%	-	-	9.0%	8.2%	8.1%
A23.2	A281	A273	2670	2664	SB	-	-	-	2.8%	3.1%	3.0%	-	-	4.0%	2.6%	1.8%
A23.3	B2117	A281	2798	2670	SB	-	-	-	3.1%	3.2%	3.3%	-	-	5.3%	2.8%	2.0%
A23.4	B2118	B2117	3108	3108	SB	-	-	-	3.6%	3.6%	3.6%	-	-	3.2%	3.2%	3.2%
A23.5	A2300	B2118	3166	3108	SB	-	-	-	3.6%	3.6%	3.6%	-	-	6.3%	3.8%	3.0%
A23.6	A272	A2300	3326	3242	SB	-	-	-	0.8%	1.1%	1.5%	-	-	1.3%	1.9%	2.1%
A23.7	B2115	A272	3638	3516	SB	-	-	-	0.8%	0.8%	0.8%	-	-	1.9%	1.5%	1.0%
A23.8	B2110	B2115	3872	3664	SB	-	-	-	0.6%	0.6%	0.7%	-	-	1.2%	1.2%	1.2%
A23.9	M23	B2110	4178	4110	SB	-	-	-	0.4%	0.4%	0.4%	-	-	0.6%	0.7%	0.7%
A23.10	A2004	M23	4372	4280	SB	-	-	-	1.9%	0.9%	0.9%	-	-	1.7%	1.4%	1.0%
						9.0%	0.1%									

Ref.	Link	SATURN Node List			Direction	Base Year	A27									
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031		
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1
A27.81	A2025	A283	2980	7373	EB	-	-	-	0.1%	0.1%	0.1%	-	-	0.2%	0.2%	0.2%
A27.82	A283	A23	2254	2256	EB	-	-	-	0.1%	0.1%	0.1%	-	-	0.2%	0.2%	0.2%
A27.83	A23	A277	2484	2538	EB	-	-	-	0.2%	0.0%	0.0%	-	-	0.3%	0.0%	0.0%
A27.84	A277	A28	2538	2528	EB	-	-	-	0.2%	0.0%	0.0%	-	-	0.2%	0.0%	0.0%
A27.81	A283	A2025	7372	2094	WB	-	-	-	5.9%	5.2%	5.2%	-	-	9.6%	9.0%	8.9%
A27.82	A23	A283	2250	2248	WB	-	-	-	3.9%	3.6%	3.5%	-	-	8.5%	6.1%	6.1%
A27.83	A277	A23	2538	2404	WB	-	-	-	0.8%	0.9%	0.8%	-	-	0.9%	0.4%	0.4%
A27.84	A26	A277	2528	2538	WB	-	-	-	0.0%	0.0%	0.0%	-	-	0.1%	0.1%	0.1%
						9.6%	0.0%									

Strategic Links (Other A Roads)

Ref.	Link	SATURN Node List			Direction	Base Year	A264									
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031		
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1
A264.14	M23	A2220	4816	7364	EB	-	-	-	0.5%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A264.15	A2220	B2028	4864	7104	EB	-	-	-	0.0%	0.0%	0.0%	-	-	0.1%	0.0%	0.0%
A264.16	B2028	B2037	7106	4910	EB	-	-	-	0.3%	0.3%	0.3%	-	-	0.8%	0.7%	0.7%
A264.17	B2037	A2220	7350	4892	EB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A264.14	A2220	M23	7364	4816	WB	-	-	-	0.1%	0.1%	0.1%	-	-	0.2%	0.3%	0.3%
A264.15	B2028	A2220	7104	4864	WB	-	-	-	0.1%	0.0%	0.1%	-	-	0.2%	0.2%	0.4%
A264.16	B2037	B2028	4910	7106	WB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A264.17	A2220	B2037	4892	7350	WB	-	-	-	0.2%	0.1%	0.1%	-	-	0.3%	0.2%	0.2%
						0.8%	0.0%									

Ref.	Link	SATURN Node List			Direction	Base Year	A22 (B2028 to East Grinstead)									
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031		
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1
A22.18	B2028	A264	4892	5016	NB	-	-	-	0.2%	0.2%	0.2%	-	-	0.3%	0.3%	0.4%
A22.19	A264	East Grinstead	4848	4876	NB	-	-	-	0.0%	0.0%	0.0%	-	-	0.1%	0.0%	0.0%
A22.18	A264	B2028	5016	4892	SB	-	-	-	0.1%	0.0%	0.0%	-	-	0.1%	0.1%	0.1%
A22.19	East Grinstead	A264	4876	4848	SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
						0.4%	0.0%									

Ref.	Link	SATURN Node List			Direction	Base Year	A22 (East Grinstead to Raven Wood)									
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031		
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1
A22.20	East Grinstead	A275	4114	4348	NB	-	-	-	0.5%	0.5%	0.5%	-	-	0.9%	1.4%	1.0%
A22.21	A275	Raven Wood	8131	4096	NB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A22.20	A275	East Grinstead	4348	4114	SB	-	-	-	0.2%	0.4%	0.4%	-	-	0.4%	0.7%	0.7%
A22.21	Raven Wood	A275	4096	8131	SB	-	-	-	0.9%	0.9%	0.9%	-	-	0.9%	0.9%	0.9%
						1.4%	0.0%									

Ref.	Link	SATURN Node List			Direction	Base Year	A2300									
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031		
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1
A2300.22	A23	A273	3236	8111	EB	-	-	-	3.4%	3.7%	4.7%	-	-	5.1%	6.1%	6.2%
A2300.22	A273	A23	8111	3236	WB	-	-	-	16.8%	17.8%	20.0%	-	-	28.6%	24.8%	26.9%
						28.6%	3.4%									

Ref.	Link	SATURN Node List			Direction	Base Year	A272									
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031		
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1
A272.23	A24	A281	3388	3380	EB	-	-	-	2.1%	1.9%	1.9%	-	-	3.5%	3.0%	3.1%
A272.24	A281	A23	3382	3350	EB	-	-	-	2.7%	2.3%	2.3%	-	-	4.5%	3.9%	3.8%
A272.25	A23	B2036	3338	3412	WB	-	-	-	4.2%	2.3%	2.3%	-	-	7.0%	3.1%	3.1%
A272.26	B2036	B2036	3450	3502	EB	-	-	-	2.0%	3.2%	4.1%	-	-	4.0%	4.3%	9.1%
A272.27	B2036	B2184	3502	3512	EB	-	-	-	0.2%	0.1%	0.1%	-	-	0.3%	0.3%	0.4%
A272.28	B2184	A273	3482	3492	EB	-	-	-	0.9%	0.9%	0.9%	-	-	1.4%	1.4%	1.4%
A272.29	A273	B2028	3482	3494	EB	-	-	-	6.3%	5.8%	6.2%	-	-	13.3%	11.1%	12.0%
A272.30	B2028	B2112	3488	3458	EB	-	-	-	1.1%	0.8%	1.1%	-	-	2.3%	1.1%	2.0%
A272.31	B2112	B2111	3436	3462	EB	-	-	-	3.8%	2.9%	2.9%	-	-	6.4%	3.8%	5.9%
A272.32	B2111	A275	3424	3310	EB	-	-	-	0.0%	0.0%	0.0%	-	-			

Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A264.58	East Grinstead	B2026	4880	4870		EB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A264.58	B2026	East Grinstead	4880	4870		WB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
0.0%																
A273																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A273.43	A23	B2112	2656	2746		NB	-	-	0.5%	0.3%	0.3%	-	-	0.2%	0.6%	0.6%
A273.44	B2112	B2116	2746	2814		NB	-	-	0.7%	0.0%	0.0%	-	-	1.4%	0.3%	0.2%
A273.45	B2116	B2036	7716	2974		NB	-	-	0.7%	0.1%	0.1%	-	-	1.3%	0.5%	0.5%
A273.46	B2036	A2300	3129	3154		NB	-	-	0.7%	0.2%	0.2%	-	-	1.4%	0.1%	0.0%
A273.47	A2300	B2036	3202	3226		NB	-	-	2.0%	0.6%	0.7%	-	-	4.1%	1.1%	1.3%
A273.48	B2036	A272	7740	3418		NB	-	-	20.9%	13.6%	15.2%	-	-	38.9%	28.9%	28.5%
A273.47	Keymer Rd	A273	3020	3036		NB	-	-	-	-	-	-	-	0.0%	-	-
A273.43	B2112	A23	2746	2656		SB	-	-	11.8%	6.8%	6.8%	-	-	19.2%	23.4%	24.9%
A273.44	B2116	B2112	2814	2746		SB	-	-	17.5%	13.0%	11.7%	-	-	29.9%	33.0%	31.8%
A273.45	B2036	B2116	2974	7716		SB	-	-	10.6%	3.8%	3.9%	-	-	22.6%	22.1%	22.4%
A273.46	A2300	B2036	3164	3128		SB	-	-	7.8%	3.6%	2.3%	-	-	16.4%	7.1%	8.3%
A273.47	B2036	A2300	3226	3202		SB	-	-	11.4%	6.7%	6.8%	-	-	21.9%	20.8%	21.8%
A273.48	A272	B2036	3418	7740		SB	-	-	4.9%	2.4%	2.6%	-	-	12.6%	5.0%	6.2%
A273.47	A273	Keymer Rd	3036	3020		SB	-	-	-	-	-	-	-	-	-	0.0%
38.9%																
A275																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A275.49	Lewes	B2116	2604	2666		NB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A275.50	B2116	A272	7369	3212		NB	-	-	0.2%	0.2%	0.2%	-	-	0.3%	0.3%	0.3%
A275.51	A272	A22	3522	3570		NB	-	-	0.8%	2.3%	1.8%	-	-	1.4%	5.3%	3.9%
A275.49	B2116	Lewes	2666	2604		SB	-	-	2.4%	4.1%	4.1%	-	-	4.4%	7.6%	7.6%
A275.50	A272	B2116	3212	7369		SB	-	-	5.3%	6.1%	6.0%	-	-	6.4%	10.9%	8.4%
A275.51	A22	A272	3570	3522		SB	-	-	0.2%	1.2%	1.2%	-	-	0.6%	2.1%	2.1%
10.9%																
A277																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A277.87	A27	A275	2538	2552		NB	-	-	0.9%	1.0%	1.0%	-	-	1.0%	0.8%	0.8%
A277.88	A275	A26	2558	2564		NB	-	-	1.2%	1.0%	1.5%	-	-	1.5%	2.6%	2.6%
A277.87	A275	A27	2552	2538		SB	-	-	0.1%	0.0%	0.1%	-	-	0.1%	0.1%	0.1%
A277.88	A26	A275	2564	2558		SB	-	-	0.1%	0.0%	0.1%	-	-	0.1%	0.1%	0.1%
2.6%																
A2220																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A2220.89	B2036	A264	4716	7369		NB	-	-	0	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A2220.89	A264	B2036	7369	4716		SB	-	-	1.7%	1.0%	0.0%	-	-	0.0%	0.0%	0.0%
19.1%																
Northern Arc Spine Rd																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
LR.95	A273	B2036	8109	8115		WB	-	-	-	19.3%	20.3%	-	-	42.7%	44.3%	
LR.96	B2036	A2300	8114	8113		WB	-	-	-	12.8%	14.4%	-	-	30.8%	33.7%	
LR.94	A273	Leyland Rd	8117	9803		EB	-	-	-	39.0%	42.3%	-	-	84.1%	86.2%	
LR.95	B2036	A273	8115	8109		EB	-	-	-	24.1%	25.8%	-	-	46.2%	47.3%	
LR.96	A2300	B2036	8113	8114		EB	-	-	-	3.8%	6.5%	-	-	8.2%	9.2%	
56.7%																
Haywards Heath Relief Rd																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
HH.92	A273	B2112	3448	9108		EB	-	-	8.6%	0.4%	1.5%	-	-	16.9%	0.4%	0.6%
HH.93	B2112	A272	9110	9110		EB	-	-	5.9%	6.3%	6.3%	-	-	11.8%	6.3%	6.3%
HH.92	B2112	A273	9108	3448		WB	-	-	1.1%	0.2%	0.3%	-	-	2.6%	1.0%	0.9%
HH.93	A272	B2112	9110	9111		WB	-	-	0.6%	0.4%	0.4%	-	-	1.1%	1.1%	1.2%
16.9%																
Non Strategic Links (B Roads)																
B2116																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
B2116.52	Partidge Green	A281	3116	3110		EB	-	-	0.4%	0.4%	0.4%	-	-	0.7%	0.7%	0.6%
B2116.53	A281	B2118	7964	2938		EB	-	-	0.9%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2116.54	B2118	B2117	2934	2908		EB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2116.55	B2117	A273	2966	2938		EB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2116.56	A273	B2112	2828	2822		EB	-	-	2.8%	3.6%	3.9%	-	-	4.6%	6.0%	6.6%
B2116.57	B2112	A275	7672	2698		EB	-	-	1.4%	1.4%	1.5%	-	-	2.1%	2.1%	2.2%
B2116.52	A281	B2110	3116	3116		WB	-	-	3.7%	3.9%	3.9%	-	-	3.9%	3.9%	3.9%
B2116.53	B2118	A281	2938	7964		WB	-	-	2.2%	1.9%	1.9%	-	-	4.2%	3.8%	3.8%
B2116.54	B2117	B2118	2908	2934		WB	-	-	0.0%	0.0%	0.0%	-	-	0.1%	0.4%	0.4%
B2116.55	A273	B2117	2938	2966		WB	-	-	0.0%	0.0%	0.0%	-	-	0.1%	0.1%	0.1%
B2116.56	B2112	A273	2822	2828		WB	-	-	7.2%	6.6%	6.7%	-	-	7.5%	12.2%	6.2%
B2116.57	A275	B2112	2698	7672		WB	-	-	0.3%	0.3%	0.3%	-	-	1.4%	1.3%	1.3%
12.2%																
B2112																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
B2112.59	A273	B2116	2746	2778		NB	-	-	0.4%	0.2%	0.6%	-	-	0.9%	0.9%	1.0%
B2112.60	B2116	B2113	7722	3004		NB	-	-	0.9%	0.2%	0.2%	-	-	0.9%	0.3%	0.2%
B2112.59	B2113	A272	7724	3316		NB	-	-	0.7%	0.0%	0.1%	-	-	1.0%	0.2%	0.3%
B2112.59	B2116	A273	2778	2746		SB	-	-	0.9%	0.0%	0.0%	-	-	0.9%	0.0%	1.2%
B2112.60	B2113	B2116	3004	7722		SB	-	-	1.6%	1.0%	1.7%	-	-	3.2%	3.4%	3.4%
B2112.60	A272	B2113	3316	7724		SB	-	-	1.6%	0.0%	0.0%	-	-	3.2%	0.1%	0.1%
3.6%																
B2117																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
B2117.61	A281	B2118	2752	2790		NB	-	-	0.6%	0.6%	0.5%	-	-	0.9%	0.9%	0.8%
B2117.62	B2118	B2116	7960	2908		NB	-	-	0.5%	0.6%	0.5%	-	-	0.9%	0.8%	0.9%
B2117.61	B2116	A281	2790	2752		SB	-	-	5.5%	5.2%	4.9%	-	-	10.7%	9.6%	14.1%
B2117.62	B2118	B2118	7990	7990		SB	-	-	1.4%	1.4%	1.4%	-	-	2.7%	4.1%	6.0%
14.1%																
B2118																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
B2118.63	B2117	B2116	2790	2898		NB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2118.64	B2116	A23	2938	2984		NB	-	-	0.9%	0.0%	0.0%	-	-	0.9%	0.2%	0.2%
B2118.63	B2116	B2117	2898	2790		NB	-	-	6.6%	6.2%	6.3%	-	-	12.7%	6.6%	6.6%
B2118.64	A23	B2116	2938	2938		SB	-	-	4.6%	4.7%	4.6%	-	-	8.8%	6.9%	6.8%
12.1%																
B2036																
Ref.	Link		SATURN Node List			Direction	Base Year	202								



B2110.74	B2036	A23	4206	4012		SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2110.75	B2029	B2036	7784	4248		SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2110.76	East Grinstead	B2028	4582	7768		SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
										8.9%	0.0%						

Ref.	Link	SATURN Node List					Direction	Base Year	2021					2031				
		From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2114.77	B2110	B2115	3774	3796		NB	-	-	-	1.9%	1.6%	2.5%	-	-	5.0%	4.7%	5.1%	
B2114.77	B2115	B2110	3796	3774		SB	-	-	-	0.4%	0.4%	0.4%	-	-	0.7%	0.6%	0.6%	
										5.1%	0.3%							

Ref.	Link	SATURN Node List					Direction	Base Year	2021					2031				
		From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2115.78	B2110	A23	3788	3670		EB	-	-	-	1.8%	1.8%	2.8%	-	-	2.9%	2.7%	4.8%	
B2115.79	A23	B2114	3662	3662		EB	-	-	-	0.1%	0.0%	0.0%	-	-	0.2%	0.0%	0.0%	
B2115.80	B2114	Cuckfield	3662	3620		EB	-	-	-	0.2%	0.1%	0.1%	-	-	0.4%	0.2%	0.2%	
B2115.78	A23	B2110	3670	3788		WB	-	-	-	1.9%	1.6%	1.4%	-	-	3.1%	2.6%	2.2%	
B2115.79	B2114	A23	3662	3662		WB	-	-	-	0.4%	0.1%	0.0%	-	-	0.6%	0.4%	0.4%	
B2115.80	Cuckfield	B2114	3620	3662		WB	-	-	-	0.7%	0.4%	0.9%	-	-	1.6%	2.0%	2.0%	
										4.8%	0.0%							

**Town Centre Links**

Ref.	Link	SATURN Node List					Direction	Base Year	2021					2031				
		From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
<b>Burgess Hill</b>																		
<b>A273</b>																		
A273.TC01	B2036	Charles Avenue	3000	3026		NB	-	-	-	0.3%	0.0%	0.0%	-	-	0.7%	0.0%	0.0%	
A273.TC02	Charles Avenue	York Road	3026	3074		NB	-	-	-	0.6%	0.1%	0.1%	-	-	1.2%	0.0%	0.0%	
A273.TC03	York Road	Malthouse Lane	3074	3128		NB	-	-	-	0.5%	0.1%	0.1%	-	-	1.1%	0.0%	0.0%	
A273.TC04	Malthouse Lane	A2300	3164	3188		NB	-	-	-	0.7%	0.2%	0.2%	-	-	1.4%	0.1%	0.1%	
A273.TC05	A2300	Sussex Way	3188	3202		NB	-	-	-	2.4%	0.0%	0.1%	-	-	4.8%	0.0%	0.0%	
A273.TC06	Sussex Way	B2036	3202	3226		NB	-	-	-	2.0%	0.6%	0.7%	-	-	4.1%	1.1%	1.3%	
A273.TC01	Charles Avenue	B2036	3026	3000		SB	-	-	-	3.6%	3.6%	3.6%	-	-	3.6%	3.6%	3.6%	
A273.TC02	York Road	Charles Avenue	3074	3026		SB	-	-	-	5.6%	2.1%	1.9%	-	-	11.8%	2.7%	2.4%	
A273.TC03	Malthouse Lane	York Road	3128	3074		SB	-	-	-	3.8%	1.6%	1.1%	-	-	7.6%	1.4%	1.3%	
A273.TC04	A2300	Malthouse Lane	3168	3184		SB	-	-	-	7.8%	3.8%	2.9%	-	-	16.6%	7.7%	6.3%	
A273.TC05	Sussex Way	A2300	3202	3188		SB	-	-	-	10.8%	3.9%	4.3%	-	-	20.1%	24.5%	23.7%	
A273.TC06	B2036	Sussex Way	3226	3202		SB	-	-	-	11.4%	6.7%	6.8%	-	-	21.9%	20.8%	23.8%	
<b>B2038</b>																		
32036.TC01	A273	B2113	3078	3078		NB	-	-	-	0.6%	0.3%	0.4%	-	-	0.9%	1.0%	1.1%	
32036.TC02	B2113	Victoria Way	3078	3086		NB	-	-	-	0.5%	0.3%	0.4%	-	-	0.8%	0.9%	1.1%	
32036.TC03	Victoria Way	royal George Road	3086	3102		NB	-	-	-	1.0%	0.7%	0.8%	-	-	1.7%	1.9%	2.0%	
32036.TC04	royal George Road	West Street	3102	3150		NB	-	-	-	1.9%	1.3%	1.5%	-	-	2.4%	2.5%	2.7%	
32036.TC11	West Street	Leylands Road	3150	3158		NB	-	-	-	1.2%	0.8%	1.0%	-	-	2.2%	2.2%	2.4%	
32036.TC12	B2113	A273	3078	3078		SB	-	-	-	9.7%	8.2%	8.5%	-	-	15.4%	19.4%	22.7%	
32036.TC01	Victoria Way	B2113	3086	3078		SB	-	-	-	3.6%	1.9%	1.9%	-	-	7.2%	3.9%	3.9%	
32036.TC02	royal George Road	Victoria Way	3102	3086		SB	-	-	-	13.7%	2.3%	3.0%	-	-	23.3%	16.3%	21.1%	
32036.TC03	West Street	royal George Road	3150	3102		SB	-	-	-	14.9%	2.6%	3.2%	-	-	25.4%	19.3%	22.3%	
32036.TC11	Leylands Road	West Street	3150	3150		SB	-	-	-	19.7%	2.1%	2.5%	-	-	22.5%	17.8%	18.5%	
32036.TC11	A273	B2113	3078	3078		SB	-	-	-	0.2%	0.3%	0.4%	-	-	0.5%	1.0%	1.1%	
32036.TC12	B2113	Victoria Way	3078	3086		SB	-	-	-	0.3%	0.3%	0.4%	-	-	0.8%	0.9%	1.1%	
<b>B2113</b>																		
32113.TC11	B2036	Civic Way	3078	3092		EB	-	-	-	0.1%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	
32113.TC14	Civic Way	Mill Road	3082	6035		EB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	
32113.TC11	Mill Road	Keymer Road	6035	3096		EB	-	-	-	2.8%	3.7%	10.9%	-	-	5.0%	7.1%	15.0%	
32113.TC14	Keymer Road	Kingsway	3020	3012		EB	-	-	-	3.6%	3.6%	3.6%	-	-	3.6%	3.6%	3.6%	
32113.TC11	Kingsway	B2112	3012	3004		EB	-	-	-	0.9%	0.0%	0.8%	-	-	1.6%	0.0%	1.4%	
32113.TC11	Civic Way	B2036	3082	3078		WB	-	-	-	0.0%	6.2%	8.5%	-	-	0.1%	10.5%	12.1%	
32113.TC14	Mill Road	Civic Way	6035	3020		WB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	
32113.TC11	Keymer Road	Mill Road	6035	6035		WB	-	-	-	0.5%	0.6%	1.5%	-	-	1.0%	1.3%	2.3%	
32113.TC14	Keymer Road	Mill Road	3012	3020		WB	-	-	-	0.2%	0.0%	0.0%	-	-	0.3%	0.0%	0.0%	
32113.TC11	B2112	Kingsway	3004	3012		WB	-	-	-	0.2%	0.0%	0.0%	-	-	0.3%	0.0%	0.0%	
<b>Leylands Road</b>																		
LR.TC18	B2036	Mill Road	3172	3172		EB	-	-	-	11.8%	0.8%	0.8%	-	-	19.8%	1.5%	1.4%	
LR.TC19	Mill Road	Junction Road	3182	3192		EB	-	-	-	8.7%	14.5%	16.8%	-	-	15.4%	25.0%	25.7%	
LR.TC18	Mill Road	Mill Road	3172	3182		WB	-	-	-	1.8%	2.4%	2.9%	-	-	2.9%	4.0%	4.7%	
LR.TC19	Junction Road	Mill Road	3192	3182		WB	-	-	-	9.7%	2.4%	2.3%	-	-	1.4%	4.1%	4.0%	
<b>James Lane</b>																		
JL.TC20	Junction Road	B2112	3200	3170		EB	-	-	-	12.9%	16.6%	21.3%	-	-	21.8%	21.8%	31.6%	
JL.TC20	B2112	Junction Road	3170	3200		WB	-	-	-	0.7%	3.5%	3.3%	-	-	1.6%	5.3%	4.8%	
<b>Junction Road</b>																		
JR.TC21	B2116	B2113	2902	3020		NB	-	-	-	0.7%	1.9%	1.8%	-	-	1.2%	3.3%	2.7%	
JR.TC22	B2113	B2113	728	3056		NB	-	-	-	0.7%	1.1%	1.7%	-	-	1.2%	2.0%	1.7%	
JR.TC23	B2113	Cants Lane	3056	3146		NB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	
JR.TC24	Cants Lane	Leylands Road	7726	3192		NB	-	-	-	0.5%	0.9%	0.9%	-	-	1.1%	1.1%	1.0%	
JR.TC25	Leylands Road	James Lane	3192	3200		NB	-	-	-	5.9%	10.3%	9.9%	-	-	9.9%	18.0%	17.0%	
JR.TC26	James Lane	B2112	3200	3248		NB	-	-	-	0.0%	4.0%	3.8%	-	-	0.0%	6.1%	7.6%	
JR.TC21	B2113	B2116	3020	2902		SB	-	-	-	1.9%	4.6%	4.5%	-	-	3.2%	8.9%	10.2%	
JR.TC22	B2113	B2113	3056	728		SB	-	-	-	3.9%	5.8%	6.3%	-	-	6.6%	10.7%	12.3%	
JR.TC23	Cants Lane	B2113	3146	3056		SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.2%	0.0%	0.0%	
JR.TC24	Leylands Road	Cants Lane	3192	7726		SB	-	-	-	3.3%	2.8%	2.9%	-	-	6.4%	6.2%	5.7%	
JR.TC25	James Lane	Leylands Road	3200	3192		SB	-	-	-	0.4%	1.9%	1.8%	-	-	0.9%	3.1%	2.8%	
JR.TC26	B2112	James Lane	3248	3200		SB	-	-	-	0.6%	0.6%	0.5%	-	-	0.7%	1.0%	0.9%	
										31.9%	0.0%							

Ref.	Link	SATURN Node List					Direction	Base Year	2021					2031				
		From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
<b>Hoysteads Heath</b>																		
<b>B2028</b>																		
32028.TC21	Broadway Court	Sydney Road	3498	3558		NB	-	-	-	#DIV/0!	#DIV/0!	#DIV/0!	-	-	#DIV/0!	#DIV/0!	#DIV/0!	
32028.TC22	Sydney Road	B2112	3558	3598		NB	-	-	-	9.8%	9.2%	9.8%	-	-	17.8%	14.7%	17.0%	
32028.TC23	B2112	Summerhill Lane	3576	3574		NB	-	-	-	11.8%	10.8%	10.9%	-	-	20.4%	16.9%	16.9%	
32028.TC24	Summerhill Lane	B2111	3574	3596		NB	-	-	-	10.9%	8.8%	8.8%	-	-	20.1%	14.2%	16.8%	
32028.TC21	Sydney Road	Broadway Court	3558	3498		SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	
32028.TC22	Sydney Road	B2112	3558	3558		SB	-	-	-	3.9%	3.8%	3.9%	-	-	3.9%	3.8%	3.9%	
32028.TC23	B2112																	



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**A.12. Strategic and Non-Strategic Modelled Link Flows (A2300 Business Park Contribution %age)**

C03022422 Mid Sussex Transport Study - Strategic and Non Strategic Modelled Link Flows (A2300 Business Park (%age) AM Peak)

Strategic Links (Motorway and Trunk Routes)

Ref.	Link	SATURN Node List			Direction	Base Year	M23										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
M23.11	Jct 11	Jct 10A	4294	4454	NB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.1%	0.1%	0.1%
M23.12	Jct 10A	Jct 10	4454	4770	NB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.1%	0.1%	0.1%
M23.13	Jct 10	Jct 9	7116	7346	NB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
M23.14	Jct 10A	Jct 11	4434	4292	SB	-	-	-	0.5%	0.5%	0.5%	-	-	-	1.5%	1.5%	1.5%
M23.12	Jct 10	Jct 10A	4776	4434	SB	-	-	-	0.7%	0.7%	0.7%	-	-	-	1.3%	1.2%	1.2%
M23.13	Jct 9	Jct 10	4948	4858	SB	-	-	-	0.2%	0.2%	0.2%	-	-	-	0.4%	0.4%	0.4%
						1.5%	0.0%										

Key	Criteria
Green	Link RFC <75%
Yellow	Link RFC 75%-85%
Orange	Link RFC 85%-100%
Red	Link RFC 100%+

Ref.	Link	SATURN Node List			Direction	Base Year	A23										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A23.1	A27	A273	2542	2578	NB	-	-	-	0.6%	0.6%	0.6%	-	-	-	1.1%	1.0%	1.0%
A23.2	A273	A281	2658	2672	NB	-	-	-	0.7%	0.7%	0.7%	-	-	-	1.3%	1.2%	1.3%
A23.3	A281	B2117	2684	2774	NB	-	-	-	0.8%	0.8%	0.8%	-	-	-	1.4%	1.3%	1.4%
A23.4	B2117	B2118	7325	7337	NB	-	-	-	0.8%	0.8%	0.8%	-	-	-	1.4%	1.4%	1.4%
A23.5	B2118	A2300	7337	7324	NB	-	-	-	0.8%	0.8%	0.8%	-	-	-	1.4%	1.4%	1.4%
A23.6	A2300	A272	3236	3346	NB	-	-	-	0.2%	0.2%	0.1%	-	-	-	0.2%	0.2%	0.2%
A23.7	A272	B2115	3600	3658	NB	-	-	-	0.2%	0.2%	0.2%	-	-	-	0.3%	0.3%	0.3%
A23.8	B2115	B2110	3680	3878	NB	-	-	-	0.2%	0.1%	0.1%	-	-	-	0.3%	0.3%	0.3%
A23.9	B2110	M23	3884	4202	NB	-	-	-	0.1%	0.1%	0.1%	-	-	-	0.3%	0.2%	0.2%
A23.10	M23	A2004	4276	4356	NB	-	-	-	0.2%	0.2%	0.2%	-	-	-	0.4%	0.4%	0.4%
A23.1	A273	A27	2580	2542	SB	-	-	-	0.4%	0.4%	0.4%	-	-	-	0.7%	0.7%	0.7%
A23.2	A281	A273	2670	2684	SB	-	-	-	0.5%	0.5%	0.5%	-	-	-	0.9%	0.8%	0.8%
A23.3	B2117	A281	2798	2670	SB	-	-	-	0.8%	0.5%	0.5%	-	-	-	0.9%	0.8%	0.8%
A23.4	B2118	B2117	7325	7386	SB	-	-	-	0.7%	0.7%	0.7%	-	-	-	1.1%	1.1%	1.1%
A23.5	A2300	B2118	3166	3108	SB	-	-	-	0.6%	0.6%	0.6%	-	-	-	1.0%	1.0%	1.0%
A23.6	A272	A2300	3326	3242	SB	-	-	-	0.5%	0.1%	0.1%	-	-	-	11.3%	10.0%	10.8%
A23.7	B2115	A272	3638	3516	SB	-	-	-	3.9%	3.9%	3.9%	-	-	-	7.0%	6.6%	6.2%
A23.8	B2110	B2115	3872	3664	SB	-	-	-	2.8%	2.6%	2.6%	-	-	-	5.4%	5.0%	5.0%
A23.9	M23	B2110	4178	4110	SB	-	-	-	1.8%	1.7%	1.7%	-	-	-	3.2%	3.1%	3.1%
A23.10	A2004	M23	4372	4280	SB	-	-	-	3.6%	3.4%	3.3%	-	-	-	6.2%	5.9%	5.9%
						11.3%	0.0%										

Ref.	Link	SATURN Node List			Direction	Base Year	A27										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A27.81	A2025	A283	2980	7373	EB	-	-	-	0.4%	0.4%	0.4%	-	-	-	0.8%	0.7%	0.7%
A27.82	A283	A23	2254	2256	EB	-	-	-	0.3%	0.3%	0.3%	-	-	-	0.5%	0.4%	0.5%
A27.83	A23	A277	2484	2538	EB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.1%	0.1%	0.1%
A27.84	A277	A28	2538	2528	EB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A27.81	A283	A2025	7372	2094	WB	-	-	-	0.4%	0.4%	0.4%	-	-	-	0.8%	0.7%	0.7%
A27.82	A23	A283	2250	2248	WB	-	-	-	0.3%	0.3%	0.3%	-	-	-	0.5%	0.5%	0.5%
A27.83	A277	A23	2538	2404	WB	-	-	-	0.3%	0.3%	0.3%	-	-	-	0.5%	0.5%	0.5%
A27.84	A26	A277	2528	2538	WB	-	-	-	0.1%	0.1%	0.1%	-	-	-	0.2%	0.2%	0.2%
						0.8%	0.0%										

Strategic Links (Other A Roads)

Ref.	Link	SATURN Node List			Direction	Base Year	A264										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A264.14	M23	A2220	4816	7364	EB	-	-	-	0.1%	0.1%	0.1%	-	-	-	0.1%	0.1%	0.1%
A264.15	A2220	B2028	4864	7104	EB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A264.16	B2028	B2037	7106	4910	EB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.1%	0.0%	0.0%
A264.17	B2037	A2220	7350	4892	EB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A264.14	A2220	M23	7864	4916	EB	-	-	-	1.1%	1.0%	1.0%	-	-	-	1.1%	1.0%	1.0%
A264.15	B2028	A2220	7104	4864	WB	-	-	-	0.3%	0.3%	0.3%	-	-	-	0.5%	0.5%	0.5%
A264.16	B2037	B2028	4910	7106	WB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.1%
A264.17	A2220	B2037	4892	7350	WB	-	-	-	0.4%	0.4%	0.4%	-	-	-	0.6%	0.7%	0.7%
						2.0%	0.0%										

Ref.	Link	SATURN Node List			Direction	Base Year	A22 (B2028 to East Grinstead)										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A22.18	B2028	A264	4892	5016	NB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A22.19	A264	East Grinstead	4848	4876	NB	-	-	-	0.3%	0.3%	0.3%	-	-	-	0.5%	0.5%	0.5%
A22.18	A264	B2028	5016	4892	SB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A22.19	East Grinstead	A264	4876	4848	SB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
						0.5%	0.0%										

Ref.	Link	SATURN Node List			Direction	Base Year	A22 (East Grinstead to Raven Wood)										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A22.20	East Grinstead	A275	4114	4348	NB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.1%	0.1%	0.1%
A22.21	A275	Raven Wood	8131	4096	NB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A22.20	A275	East Grinstead	4348	4114	SB	-	-	-	0.7%	0.7%	0.7%	-	-	-	2.2%	1.3%	1.4%
A22.21	Raven Wood	A275	4096	8131	SB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
						2.2%	0.0%										

Ref.	Link	SATURN Node List			Direction	Base Year	A2300										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A2300.22	A23	A273	3236	8111	EB	-	-	-	26.5%	21.6%	21.8%	-	-	-	41.7%	40.4%	38.8%
A2300.22	A273	A23	8111	3236	WB	-	-	-	3.3%	3.3%	3.3%	-	-	-	3.2%	3.5%	3.8%
						41.7%	3.3%										

Ref.	Link	SATURN Node List			Direction	Base Year	A272										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A272.23	A24	A281	3388	3380	EB	-	-	-	7.8%	7.1%	7.5%	-	-	-	12.9%	11.7%	12.2%
A272.24	A281	A23	3382	3350	EB	-	-	-	8.7%	8.1%	8.7%	-	-	-	15.0%	13.7%	13.8%
A272.25	A23	B2036	3388	3412	WB	-	-	-	0.2%	0.2%	0.2%	-	-	-	0.4%	0.4%	0.4%
A272.26	B2036	B2036	3450	3502	EB	-	-	-	0.2%	0.2%	0.2%	-	-	-	0.4%	0.4%	0.4%
A272.27	B2036	B2184	3502	3512	EB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.1%
A272.28	B2184	A273	3492	3492	EB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A272.29	A273	B2028	3482	3494	EB	-	-	-	0.4%	0.4%	0.4%	-	-	-	0.7%	0.7%	0.7%
A272.30	B2028	B2112	3488	3458</													

Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A264.58	East Grinstead	B2026	4880	4870		EB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A264.58	B2026	East Grinstead	4880	4870		WB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
							0.0%	0.0%								

Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A273.43	A23	B2112	2656	2746		NB	-	-	0.0%	0.0%	0.0%	-	-	0.1%	0.0%	0.0%
A273.44	B2112	B2116	2746	2814		NB	-	-	0.3%	0.4%	0.0%	-	-	1.4%	2.1%	0.0%
A273.45	B2116	B2036	7716	2974		NB	-	-	1.0%	0.6%	0.1%	-	-	1.6%	1.1%	0.0%
A273.46	B2036	A2300	3126	3164		NB	-	-	3.5%	4.0%	0.3%	-	-	5.7%	8.4%	12.0%
A273.47	A2300	B2036	3202	3226		NB	-	-	2.4%	0.0%	0.1%	-	-	4.8%	0.1%	0.1%
A273.48	B2036	A272	7740	3418		NB	-	-	1.0%	0.8%	0.0%	-	-	1.9%	1.5%	1.8%
A273.97	Keymer Rd	A273	3020	3036		NB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A273.43	B2112	A23	2746	2656		SB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A273.44	B2116	B2112	2814	2746		SB	-	-	0.1%	0.1%	0.0%	-	-	0.2%	0.2%	0.0%
A273.45	B2036	B2116	2974	7716		SB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A273.46	A2300	B2036	3164	3128		SB	-	-	1.0%	1.0%	0.2%	-	-	1.5%	2.1%	2.8%
A273.47	B2036	A2300	3226	3202		SB	-	-	17.4%	0.0%	0.5%	-	-	28.3%	4.1%	3.3%
A273.48	A272	B2036	3418	7740		SB	-	-	3.0%	3.0%	0.7%	-	-	12.7%	10.6%	9.2%
A273.97	A273	Keymer Rd	3036	3020		SB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
							28.3%	0.0%								

Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A275.49	Lewes	B2116	2604	2666		NB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A275.50	B2116	A272	7369	3212		NB	-	-	0.5%	0.5%	0.5%	-	-	0.8%	0.9%	0.8%
A275.51	A272	A22	3522	3570		NB	-	-	0.1%	0.1%	0.1%	-	-	0.2%	0.2%	0.2%
A275.49	B2116	Lewes	2666	2604		SB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A275.50	A272	B2116	3212	7369		SB	-	-	0.2%	0.2%	0.2%	-	-	0.4%	0.4%	0.3%
A275.51	A22	A272	3570	3522		SB	-	-	2.6%	2.9%	2.9%	-	-	6.1%	5.4%	5.8%
							6.1%	0.0%								

Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A277.87	A27	A275	2538	2552		NB	-	-	0.0%	0.0%	0.0%	-	-	0.1%	0.1%	0.1%
A277.88	A275	A26	2558	2564		NB	-	-	0.0%	0.0%	0.0%	-	-	0.1%	0.1%	0.1%
A277.87	A275	A27	2552	2538		SB	-	-	0.2%	0.2%	0.2%	-	-	0.4%	0.4%	0.4%
A277.88	A26	A275	2564	2558		SB	-	-	0.2%	0.2%	0.2%	-	-	0.4%	0.4%	0.4%
							0.4%	0.0%								

Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A220.89	B2036	A264	4716	7369		NB	-	-	0	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A220.89	A264	B2036	7369	4716		SB	-	-	1.0%	1.0%	0.0%	-	-	0.0%	0.0%	0.0%
							19.1%	0.0%								

Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
LR.95	A273	B2036	8109	8115		WB	-	-	-	13.4%	12.7%	-	-	21.8%	20.4%	
LR.96	B2036	A2300	8114	8113		WB	-	-	-	21.0%	19.5%	-	-	45.0%	50.3%	
LR.94	A273	Leyland Rd	8117	9803		EB	-	-	-	0.0%	0.0%	-	-	1.8%	1.8%	
LR.95	B2036	A273	8115	8109		EB	-	-	-	2.0%	2.0%	-	-	3.3%	3.5%	
LR.96	A2300	B2036	8113	8114		EB	-	-	-	2.9%	2.9%	-	-	6.9%	8.2%	
							50.3%	1.1%								

Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
HH.92	A273	B2112	3448	9108		EB	-	-	0.4%	0.1%	0.4%	-	-	0.7%	0.0%	0.1%
HH.93	B2112	A272	9110	9110		EB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
HH.92	B2112	A273	9108	3448		WB	-	-	1.4%	1.4%	0.9%	-	-	0.1%	5.3%	4.9%
HH.93	A272	B2112	9110	9111		WB	-	-	1.4%	1.3%	1.3%	-	-	2.8%	3.2%	3.4%
							5.3%	0.0%								

**Non Strategic Links (B Roads)**

Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
B2116.52	Partidge Green	A281	3116	3110		EB	-	-	1.6%	1.6%	1.5%	-	-	2.7%	2.6%	2.5%
B2116.53	A281	B2118	7964	2938		EB	-	-	0.1%	0.0%	0.0%	-	-	0.1%	0.1%	0.1%
B2116.54	B2118	B2117	2934	2938		EB	-	-	0.0%	0.0%	0.0%	-	-	0.1%	0.0%	0.0%
B2116.55	B2117	A273	2966	2938		EB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2116.56	A273	B2112	2828	2822		EB	-	-	0.2%	0.2%	0.2%	-	-	0.3%	0.4%	0.3%
B2116.57	B2112	A275	7672	2698		EB	-	-	0.1%	0.1%	0.1%	-	-	0.2%	0.2%	0.2%
B2116.52	A281	Partidge Green	3110	3116		WB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2116.53	B2118	A281	2938	7964		WB	-	-	0.2%	0.2%	0.2%	-	-	0.4%	0.3%	0.3%
B2116.54	B2117	B2118	2938	2934		WB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2116.55	A273	B2117	2938	2966		WB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2116.56	B2112	A273	2822	2828		WB	-	-	8.7%	19.6%	15.6%	-	-	17.0%	16.0%	19.7%
B2116.57	A275	B2112	2698	7672		WB	-	-	2.3%	2.8%	2.8%	-	-	4.6%	4.5%	4.5%
							22.3%	0.0%								

Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
B2112.59	A273	B2116	2746	2778		NB	-	-	0.1%	0.1%	0.0%	-	-	0.1%	0.2%	0.0%
B2112.60	B2116	B2113	7722	3004		NB	-	-	0.6%	0.7%	0.3%	-	-	1.1%	1.1%	1.2%
B2112.59	B2113	A272	7724	3316		NB	-	-	0.0%	0.0%	0.7%	-	-	0.0%	1.3%	1.5%
B2112.59	B2116	A273	2778	2746		SB	-	-	1.6%	0.6%	0.0%	-	-	2.1%	3.6%	0.1%
B2112.60	B2113	B2116	3004	7722		SB	-	-	0.1%	0.1%	0.1%	-	-	0.2%	0.2%	0.2%
B2112.60	A272	B2113	3316	7724		SB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
							3.8%	0.0%								

Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
B2117.61	A281	B2118	2752	2790		NB	-	-	2.1%	2.0%	2.0%	-	-	3.5%	3.5%	3.3%
B2117.62	B2118	B2116	7680	2908		NB	-	-	2.9%	1.9%	2.0%	-	-	3.4%	3.3%	3.3%
B2117.61	B2116	A281	2790	2752		SB	-	-	0.6%	0.6%	0.4%	-	-	0.9%	0.7%	0.8%
B2117.62	B2118	B2118	7680	7690		SB	-	-	0.1%	0.1%	0.1%	-	-	0.2%	0.2%	0.2%
							3.5%	0.1%								

Ref.	Link		SATURN Node List			Direction</
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B2110.74	B2036	A23	4206	4012		SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2110.75	B2029	B2036	7784	4248		SB	-	-	-	2.2%	1.9%	0.0%	-	-	2.4%	2.1%	3.3%
B2110.76	East Grinstead	B2029	4592	7788		SB	-	-	-	2.2%	1.9%	0.0%	-	-	2.7%	3.0%	3.0%
										3.7%	0.0%						

Ref.	Link	SATURN Node List					Direction	Base Year	2021					2031				
		From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2114.77	B2110	B2115	3774	3796		NB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	
B2114.77	B2115	B2110	3796	3774		SB	-	-	-	1.3%	1.3%	1.2%	-	-	2.3%	2.1%	2.1%	
										2.3%	0.0%							

Ref.	Link	SATURN Node List					Direction	Base Year	2021					2031				
		From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2115.78	B2110	A23	3788	3670		EB	-	-	-	11.4%	11.6%	10.3%	-	-	19.1%	18.0%	17.5%	
B2115.79	A23	B2114	3790	3662		EB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	
B2115.80	B2114	Cuckfield	3662	3620		EB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	
B2115.78	A23	B2110	3670	3788		WB	-	-	-	0.1%	0.1%	0.1%	-	-	0.2%	0.2%	0.2%	
B2115.79	B2114	A23	3662	3790		WB	-	-	-	0.4%	0.3%	0.3%	-	-	0.7%	0.6%	0.6%	
B2115.80	Cuckfield	B2114	3620	3662		WB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	
										19.1%	0.0%							

**Town Centre Links**

Ref.	Link	SATURN Node List					Direction	Base Year	2021					2031				
		From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
<b>Burgess Hill</b>																		
<b>A273</b>																		
A273.TC01	B2036	Charles Avenue	3000	3026		NB	-	-	-	1.4%	1.2%	2.2%	-	-	2.3%	2.3%	4.3%	
A273.TC02	Charles Avenue	York Road	3026	3074		NB	-	-	-	2.8%	2.9%	5.6%	-	-	4.4%	6.0%	11.1%	
A273.TC03	York Road	Malthouse Lane	3074	3128		NB	-	-	-	3.0%	3.2%	5.8%	-	-	4.9%	5.5%	10.0%	
A273.TC04	Malthouse Lane	A2300	3164	3188		NB	-	-	-	3.9%	4.0%	6.3%	-	-	5.7%	6.4%	12.0%	
A273.TC05	A2300	Sussex Way	3188	3202		NB	-	-	-	2.7%	0.4%	0.4%	-	-	5.0%	0.7%	0.7%	
A273.TC06	Sussex Way	B2036	3202	3226		NB	-	-	-	2.4%	0.0%	0.1%	-	-	4.8%	0.1%	0.1%	
A273.TC01	Charles Avenue	B2036	3026	3000		SB	-	-	-	0.9%	0.6%	0.6%	-	-	1.9%	1.7%	2.1%	
A273.TC02	York Road	Charles Avenue	3074	3026		SB	-	-	-	0.8%	0.9%	1.1%	-	-	1.7%	1.5%	2.3%	
A273.TC03	Malthouse Lane	York Road	3128	3074		SB	-	-	-	0.6%	0.6%	0.7%	-	-	1.1%	1.2%	1.4%	
A273.TC04	A2300	Malthouse Lane	3168	3184		SB	-	-	-	1.6%	1.6%	1.2%	-	-	2.9%	2.8%	2.8%	
A273.TC05	Sussex Way	A2300	3202	3188		SB	-	-	-	21.1%	8.4%	8.9%	-	-	32.7%	20.5%	14.9%	
A273.TC06	B2036	Sussex Way	3226	3202		SB	-	-	-	17.8%	0.0%	0.5%	-	-	28.3%	4.1%	3.3%	
<b>B2038</b>																		
32036.TC01	A273	B2113	7730	3078		NB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	
32036.TC02	B2113	Victoria Way	3078	3086		NB	-	-	-	0.3%	0.0%	0.0%	-	-	1.2%	0.3%	0.0%	
32036.TC03	Victoria Way	royal George Road	3086	3102		NB	-	-	-	1.4%	0.0%	0.1%	-	-	2.1%	0.5%	0.0%	
32036.TC04	royal George Road	West Street	3102	3150		NB	-	-	-	0.9%	0.1%	0.0%	-	-	0.9%	0.1%	0.0%	
32036.TC11	West Street	Leylands Road	3150	3158		NB	-	-	-	0.0%	0.0%	0.1%	-	-	0.0%	0.1%	0.1%	
32036.TC12	B2113	A273	3078	7730		SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.1%	0.0%	
32036.TC01	Victoria Way	B2113	3086	3078		SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	
32036.TC02	royal George Road	Victoria Way	3102	3086		SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	
32036.TC03	West Street	royal George Road	3150	3102		SB	-	-	-	0.9%	0.0%	0.0%	-	-	0.9%	0.0%	0.0%	
32036.TC11	Leylands Road	West Street	3150	3150		SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	
32036.TC11	A273	B2113	7730	3078		SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	
32036.TC12	B2113	Victoria Way	3078	3086		SB	-	-	-	0.3%	0.0%	0.0%	-	-	1.2%	0.3%	0.0%	
<b>B2113</b>																		
32113.TC11	B2036	Civic Way	3078	3092		EB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	
32113.TC14	Civic Way	Mill Road	3082	6035		EB	-	-	-	0.1%	0.0%	0.0%	-	-	0.2%	0.0%	0.0%	
32113.TC15	Mill Road	Keymer Road	6035	3096		EB	-	-	-	0.1%	0.1%	0.0%	-	-	0.2%	0.1%	0.0%	
32113.TC14	Keymer Road	Kingsway	3020	3012		EB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	
32113.TC11	Kingsway	B2112	3012	3004		EB	-	-	-	0.1%	0.0%	0.1%	-	-	0.1%	0.0%	0.1%	
32113.TC11	Civic Way	B2036	3082	3078		WB	-	-	-	0.7%	0.0%	0.0%	-	-	0.8%	0.3%	0.0%	
32113.TC14	Mill Road	Civic Way	6035	3092		WB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	
32113.TC14	Keymer Road	Mill Road	6035	6035		WB	-	-	-	1.0%	0.0%	0.1%	-	-	1.5%	0.8%	0.1%	
32113.TC16	Kingsway	Keymer Road	3012	3020		WB	-	-	-	0.3%	0.0%	0.5%	-	-	0.8%	0.3%	1.3%	
32113.TC11	B2112	Kingsway	3004	3012		WB	-	-	-	0.6%	0.0%	0.5%	-	-	1.0%	0.0%	1.2%	
<b>Leylands Road</b>																		
LR.TC18	B2036	Mill Road	7732	3172		EB	-	-	-	0.6%	1.3%	1.4%	-	-	1.1%	1.0%	1.3%	
LR.TC19	Mill Road	Junction Road	3182	3192		EB	-	-	-	0.7%	0.8%	0.8%	-	-	1.3%	1.4%	1.4%	
LR.TC18	Mill Road	Mill Road	3172	3172		WB	-	-	-	5.0%	5.0%	5.0%	-	-	11.8%	10.0%	10.0%	
LR.TC19	Junction Road	Mill Road	3192	3182		WB	-	-	-	5.0%	6.8%	5.0%	-	-	9.8%	10.0%	9.8%	
<b>James Lane</b>																		
JL.TC20	Junction Road	B2112	3200	3170		EB	-	-	-	1.6%	1.6%	1.2%	-	-	1.8%	1.8%	1.2%	
JL.TC20	B2112	Junction Road	3170	3200		WB	-	-	-	7.5%	10.3%	8.2%	-	-	12.7%	12.8%	10.2%	
<b>Junction Road</b>																		
JR.TC21	B2116	B2113	2902	3020		NB	-	-	-	0.8%	1.7%	2.2%	-	-	1.8%	0.1%	3.0%	
JR.TC22	B2113	B2113	7728	3056		NB	-	-	-	1.3%	1.4%	1.1%	-	-	2.3%	1.2%	0.5%	
JR.TC23	B2113	Cants Lane	3056	3146		NB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	
JR.TC24	Cants Lane	Leylands Road	7726	3192		NB	-	-	-	1.8%	1.8%	1.5%	-	-	4.0%	4.3%	3.8%	
JR.TC25	Leylands Road	James Lane	3192	3200		NB	-	-	-	0.9%	0.8%	0.9%	-	-	0.9%	1.0%	0.9%	
JR.TC26	James Lane	B2112	3200	3248		NB	-	-	-	0.0%	0.2%	0.0%	-	-	0.0%	0.3%	0.4%	
JR.TC21	B2113	B2116	3020	2902		SB	-	-	-	0.0%	0.0%	0.2%	-	-	0.0%	0.0%	0.4%	
JR.TC22	B2113	B2113	3056	7728		SB	-	-	-	0.8%	0.8%	0.3%	-	-	0.8%	0.2%	0.0%	
JR.TC23	Cants Lane	B2113	3146	3056		SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	
JR.TC24	Leylands Road	Cants Lane	3192	7726		SB	-	-	-	0.2%	0.2%	0.2%	-	-	0.4%	0.4%	0.4%	
JR.TC25	James Lane	Leylands Road	3200	3192		SB	-	-	-	3.7%	4.9%	3.8%	-	-	7.4%	6.2%	4.8%	
JR.TC26	B2112	James Lane	3248	3200		SB	-	-	-	0.1%	0.0%	0.0%	-	-	0.3%	0.0%	0.0%	
										32.7%	0.0%							

Ref.	Link	SATURN Node List					Direction	Base Year	2021					2031				
		From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
<b>Hoysteads Heath</b>																		
<b>B2028</b>																		
32028.TC21	Broadway Court	Sydney Road	3498	3558		NB	-	-	-	#DIV/0!	#DIV/0!	#DIV/0!	-	-	#DIV/0!	#DIV/0!	#DIV/0!	
32028.TC22	Sydney Road	B2112	3558	3586		NB	-	-	-	0.6%	0.6%	0.6%	-	-	1.0%	0.9%	0.9%	
32028.TC23	B2112	Summerhill Lane	3576	3574		NB	-	-	-	0.6%	0.7%	0.6%	-	-	1.1%	1.0%	1.0%	
32028.TC24	Summerhill Lane	B2111	3574	3596		NB	-	-	-	0.6%	0.6%	0.6%	-	-	1.1%	1.0%	1.2%	
32028.TC21	Sydney Road	Broadway Court	3558	3498		SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	
32028.TC22	Sydney Road	B2112	3558	3586		SB	-	-	-	0.6%	0.6%	0.6%	-	-	1.0%	0.9%	0.9%	
32028.TC23	B2112	Summerhill Lane	3574	3576														



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**A.13. Strategic and Non-Strategic Modelled Link Flows (Strategic Developments Only %age)**

C03022422 Mid Sussex Transport Study - Strategic and Non Strategic Modelled Link Flows (Strategic Developments Only (%age) AM Peak)

Strategic Links (Motorway and Trunk Routes)

Ref.	Link	SATURN Node List			Direction	Base Year	M23										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
M23.11	Jct 11	Jct 10A	4294	4454	NB	-	-	-	0.5%	0.5%	0.4%	-	-	-	0.6%	0.8%	0.2%
M23.12	Jct 10A	Jct 10	4454	4770	NB	-	-	-	0.5%	0.5%	0.4%	-	-	-	0.5%	0.7%	0.5%
M23.13	Jct 10	Jct 9	4770	4946	NB	-	-	-	0.5%	0.5%	0.2%	-	-	-	0.5%	0.6%	0.2%
M23.11	Jct 10A	Jct 11	4454	4292	SB	-	-	-	0.5%	0.5%	0.0%	-	-	-	1.7%	1.7%	1.7%
M23.12	Jct 10	Jct 10A	4770	4434	SB	-	-	-	0.5%	0.5%	0.8%	-	-	-	1.5%	1.5%	1.5%
M23.13	Jct 9	Jct 10	4946	4858	SB	-	-	-	0.5%	0.5%	0.3%	-	-	-	0.6%	0.6%	0.5%
						1.7%	0.2%										

Key	Criteria
Green	Link RFC <75%
Yellow	Link RFC 75%-85%
Orange	Link RFC 85%-100%
Red	Link RFC 100%+

Ref.	Link	SATURN Node List			Direction	Base Year	A23										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A23.1	A27	A273	2542	2578	NB	-	-	-	0.8%	0.8%	0.8%	-	-	-	1.5%	1.4%	1.4%
A23.2	A273	A281	2658	2672	NB	-	-	-	0.8%	0.8%	0.8%	-	-	-	1.5%	1.4%	1.5%
A23.3	A281	B2117	2684	2774	NB	-	-	-	0.9%	0.9%	0.9%	-	-	-	1.6%	1.5%	1.5%
A23.4	B2117	B2118	7325	7337	NB	-	-	-	0.9%	0.9%	0.9%	-	-	-	1.6%	1.5%	1.6%
A23.5	B2118	A2300	7337	7324	NB	-	-	-	1.0%	0.9%	0.9%	-	-	-	1.7%	1.6%	1.6%
A23.6	A2300	A272	3236	3346	NB	-	-	-	0.4%	0.3%	0.6%	-	-	-	0.6%	0.3%	0.3%
A23.7	A272	B2115	3600	3658	NB	-	-	-	2.8%	2.8%	3.1%	-	-	-	4.3%	4.1%	3.3%
A23.8	B2115	B2110	3680	3878	NB	-	-	-	2.4%	2.2%	1.9%	-	-	-	3.8%	3.6%	2.9%
A23.9	B2110	M23	3884	4202	NB	-	-	-	2.0%	1.9%	1.7%	-	-	-	3.4%	3.2%	2.5%
A23.10	M23	A2004	4276	4356	NB	-	-	-	2.8%	2.8%	2.6%	-	-	-	4.0%	3.8%	3.1%
A23.1	A273	A27	2580	2542	SB	-	-	-	6.6%	5.9%	5.9%	-	-	-	11.2%	10.4%	10.3%
A23.2	A281	A273	2670	2684	SB	-	-	-	3.4%	3.6%	3.5%	-	-	-	5.8%	3.4%	2.7%
A23.3	B2117	A281	2798	2670	SB	-	-	-	3.6%	3.5%	3.3%	-	-	-	6.3%	3.7%	2.9%
A23.4	B2118	B2117	7325	7386	SB	-	-	-	3.4%	3.3%	3.0%	-	-	-	5.4%	3.3%	3.3%
A23.5	A2300	B2118	3166	3108	SB	-	-	-	4.3%	4.4%	4.3%	-	-	-	7.4%	4.8%	4.1%
A23.6	A272	A2300	3326	3242	SB	-	-	-	7.3%	7.3%	7.8%	-	-	-	12.8%	12.5%	13.0%
A23.7	B2115	A272	3638	3516	SB	-	-	-	4.2%	4.0%	3.6%	-	-	-	8.6%	8.2%	8.3%
A23.8	B2110	B2115	3872	3664	SB	-	-	-	3.5%	3.5%	3.4%	-	-	-	6.7%	6.3%	6.4%
A23.9	M23	B2110	4178	4110	SB	-	-	-	2.2%	2.1%	2.1%	-	-	-	3.9%	3.6%	3.8%
A23.10	A2004	M23	4372	4280	SB	-	-	-	4.7%	4.4%	4.3%	-	-	-	8.0%	7.6%	7.9%
						13.0%	0.3%										

Ref.	Link	SATURN Node List			Direction	Base Year	A27										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A27.81	A2025	A283	2980	7373	EB	-	-	-	0.6%	0.6%	0.6%	-	-	-	1.2%	1.0%	1.0%
A27.82	A283	A23	2254	2256	EB	-	-	-	0.4%	0.4%	0.4%	-	-	-	0.8%	0.7%	0.7%
A27.83	A23	A277	2484	2538	EB	-	-	-	0.2%	0.0%	0.0%	-	-	-	0.4%	0.1%	0.1%
A27.84	A277	A28	2538	2528	EB	-	-	-	0.2%	0.0%	0.0%	-	-	-	0.4%	0.0%	0.0%
A27.81	A283	A2025	7372	2094	WB	-	-	-	7.1%	6.5%	6.5%	-	-	-	12.1%	11.3%	11.2%
A27.82	A23	A283	2250	2248	WB	-	-	-	4.7%	4.4%	4.3%	-	-	-	8.2%	7.7%	7.6%
A27.83	A277	A23	2538	2484	WB	-	-	-	0.2%	0.2%	0.2%	-	-	-	0.4%	0.4%	0.4%
A27.84	A26	A277	2528	2538	WB	-	-	-	0.2%	0.2%	0.2%	-	-	-	0.3%	0.3%	0.3%
						12.1%	0.0%										

Strategic Links (Other A Roads)

Ref.	Link	SATURN Node List			Direction	Base Year	A264										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A264.14	M23	A2220	4816	7364	EB	-	-	-	0.0%	0.0%	0.0%	-	-	-	1.0%	0.0%	0.0%
A264.15	A2220	B2028	4864	7104	EB	-	-	-	0.1%	0.1%	0.0%	-	-	-	0.1%	0.0%	0.0%
A264.16	B2028	B2037	7106	4910	EB	-	-	-	0.4%	0.4%	0.4%	-	-	-	0.8%	0.8%	0.8%
A264.17	B2037	A2220	7350	4892	EB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A264.14	A2220	M23	7364	4816	WB	-	-	-	1.2%	1.2%	1.2%	-	-	-	2.2%	2.2%	2.2%
A264.15	B2028	A2220	7104	4864	WB	-	-	-	0.5%	0.5%	0.5%	-	-	-	0.9%	0.8%	1.1%
A264.16	B2037	B2028	4910	7106	WB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.1%
A264.17	A2220	B2037	4892	7350	WB	-	-	-	0.6%	0.6%	0.6%	-	-	-	1.1%	0.8%	0.9%
						2.3%	0.0%										

Ref.	Link	SATURN Node List			Direction	Base Year	A22 (B2028 to East Grinstead)										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A22.18	B2028	A264	4892	5016	NB	-	-	-	0.2%	0.2%	0.3%	-	-	-	0.4%	0.4%	0.5%
A22.19	A264	East Grinstead	4848	4876	NB	-	-	-	0.3%	0.3%	0.3%	-	-	-	0.5%	0.5%	0.5%
A22.18	A264	B2028	5016	4892	SB	-	-	-	0.1%	0.0%	0.0%	-	-	-	0.1%	0.1%	0.1%
A22.19	East Grinstead	A264	4876	4848	SB	-	-	-	0.2%	0.2%	0.3%	-	-	-	0.3%	0.3%	0.3%
						0.5%	0.0%										

Ref.	Link	SATURN Node List			Direction	Base Year	A22 (East Grinstead to Raven Wood)										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A22.20	East Grinstead	A275	4114	4348	NB	-	-	-	0.3%	0.3%	0.3%	-	-	-	1.6%	2.0%	1.5%
A22.21	Raven Wood	A275	4096	4114	NB	-	-	-	0.0%	0.0%	0.0%	-	-	-	0.0%	0.0%	0.0%
A22.20	A275	East Grinstead	4348	4114	SB	-	-	-	1.2%	1.3%	1.4%	-	-	-	3.0%	2.4%	2.8%
A22.21	Raven Wood	A275	4096	8131	SB	-	-	-	0.9%	0.9%	0.9%	-	-	-	0.9%	0.9%	0.9%
						3.0%	0.0%										

Ref.	Link	SATURN Node List			Direction	Base Year	A2300										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A2300.22	A23	A273	3236	8111	EB	-	-	-	30.2%	25.4%	26.9%	-	-	-	47.5%	46.0%	45.4%
A2300.22	A273	A23	8111	3236	WB	-	-	-	20.8%	21.5%	23.7%	-	-	-	34.6%	34.0%	36.4%
						47.5%	20.2%										

Ref.	Link	SATURN Node List			Direction	Base Year	A272										
		From	To	A-Node			B-Node	C-Node	Baseline	Reference Case	2021			2031			
											Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A272.23	A24	A281	3388	3380	EB	-	-	-	8.9%	9.2%	8.6%	-	-	-	16.7%	15.0%	16.8%
A272.24	A281	A23	3382	3350	EB	-	-	-	11.0%	10.7%	11.1%	-	-	-	19.8%	17.9%	17.8%
A272.25	A23	B2036	3338	3412	EB	-	-	-	2.2%	2.7%	4.3%	-	-	-	4.5%	3.6%	4.6%
A272.26	B2036	B2036	3450	3502	EB	-	-	-	4.5%	3.4%	4.3%	-	-	-	4.7%	3.6%	9.5%
A272.27	B2036	B2184	3502	3512	EB	-	-	-	0.3%	0.1%	0.2%	-	-	-	0.3%	0.4%	0.4%
A272.28	B2184	A273	3482	3492	EB	-	-	-	1.9%	1.9%	1.9%	-	-	-	1.9%	1.9%	1.9%
A272.29	A273	B2028	3482	3494	EB	-	-	-	7.3%	6.4%	6.6%	-	-	-	14.3%	12.6%	13.2%
A272.30	B2028	B															

Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A264.58	East Grinstead	B2026	4880	4870		EB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A264.58	B2026	East Grinstead	4880	4870		WB	-	-	0.1%	0.0%	0.1%	-	-	0.1%	0.1%	0.1%
0.1%																
0.0%																
A273																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A273.43	A23	B2112	2656	2746		NB	-	-	0.8%	0.5%	0.5%	-	-	1.4%	1.0%	1.0%
A273.44	B2112	B2116	2746	2814		NB	-	-	1.7%	0.4%	0.1%	-	-	2.8%	2.4%	0.3%
A273.45	B2116	B2036	3128	2974		NB	-	-	1.7%	0.9%	0.3%	-	-	2.9%	1.6%	0.3%
A273.46	B2036	A2300	3128	3164		NB	-	-	4.1%	4.2%	0.1%	-	-	7.1%	8.6%	12.3%
A273.47	A2300	B2036	3202	3226		NB	-	-	5.0%	0.7%	0.8%	-	-	10.6%	1.2%	1.4%
A273.48	B2036	A272	7740	3418		NB	-	-	21.9%	14.4%	16.2%	-	-	40.8%	30.4%	30.1%
A273.97	Keymer Rd	A273	3020	3006		NB	-	-	-	-	-	-	-	-	-	18.2%
A273.43	B2112	A23	2746	2656		SB	-	-	15.4%	12.5%	12.4%	-	-	25.4%	28.2%	30.5%
A273.44	B2116	B2112	2814	2746		SB	-	-	17.7%	13.3%	16.5%	-	-	30.3%	33.4%	38.9%
A273.45	B2036	B2116	2974	3128		SB	-	-	16.6%	10.2%	12.2%	-	-	24.6%	24.2%	26.8%
A273.46	A2300	B2036	3164	3128		SB	-	-	8.3%	4.7%	4.1%	-	-	18.4%	9.4%	10.8%
A273.47	B2036	A2300	3226	3202		SB	-	-	30.8%	6.7%	7.2%	-	-	53.6%	24.8%	27.1%
A273.48	A272	B2036	3418	7740		SB	-	-	19.4%	10.5%	11.3%	-	-	25.2%	16.4%	15.4%
A273.97	A273	Keymer Rd	3006	3020		SB	-	-	-	-	-	-	-	-	-	1.8%
53.5%																
0.0%																
A275																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A275.49	Lewes	B2116	2604	2666		NB	-	-	0.0%	0.1%	0.0%	-	-	0.0%	0.0%	0.0%
A275.50	B2116	A272	3212	3212		NB	-	-	1.4%	1.4%	1.3%	-	-	2.6%	2.5%	2.5%
A275.51	A272	A22	3522	3570		NB	-	-	1.1%	3.4%	2.9%	-	-	2.6%	7.4%	5.9%
A275.49	B2116	Lewes	2666	2604		SB	-	-	3.2%	4.2%	4.8%	-	-	8.0%	9.4%	10.8%
A275.50	A272	B2116	3212	3212		SB	-	-	5.5%	6.3%	6.3%	-	-	8.8%	11.2%	8.9%
A275.51	A22	A272	3570	3522		SB	-	-	3.5%	4.5%	4.6%	-	-	7.6%	6.4%	6.5%
11.2%																
0.0%																
A277																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A277.87	A27	A275	2538	2552		NB	-	-	0.9%	0.1%	0.1%	-	-	0.7%	0.7%	0.7%
A277.88	A275	A26	2558	2564		NB	-	-	1.6%	1.9%	1.9%	-	-	2.5%	3.2%	3.2%
A277.87	A275	A27	2552	2538		SB	-	-	0.3%	0.2%	0.2%	-	-	0.3%	0.4%	0.4%
A277.88	A26	A275	2564	2558		SB	-	-	0.3%	0.3%	0.3%	-	-	0.5%	0.5%	0.5%
3.2%																
0.1%																
A2220																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
A2220.89	B2036	A264	4716	7368		NB	-	-	0	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
A2220.89	A264	B2036	7368	4716		SB	-	-	1.0%	1.0%	0.0%	-	-	0.0%	0.0%	0.0%
19.1%																
0.0%																
Northern Arc Spine Rd																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
LR.95	A273	B2036	8109	8115		WB	-	-	-	36.4%	36.4%	-	-	72.6%	71.9%	
LR.96	B2036	A2300	8114	8113		WB	-	-	-	35.2%	35.4%	-	-	80.4%	89.4%	
LR.94	A273	Leylands Rd	8117	9803		EB	-	-	-	48.4%	48.6%	-	-	87.8%	88.9%	
LR.95	B2036	A273	8115	8109		EB	-	-	-	26.9%	26.6%	-	-	50.8%	51.7%	
LR.96	A2300	B2036	8113	8114		EB	-	-	-	7.2%	10.3%	-	-	17.4%	16.7%	
89.4%																
7.2%																
Haywards Heath Relief Rd																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
HH.92	A273	B2112	3448	9108		EB	-	-	9.9%	1.6%	1.8%	-	-	19.1%	2.4%	2.6%
HH.93	B2112	A272	9110	9110		EB	-	-	7.9%	6.8%	6.7%	-	-	15.6%	7.7%	11.4%
HH.92	B2112	A273	9108	3448		WB	-	-	3.8%	2.7%	3.3%	-	-	9.2%	11.8%	9.4%
HH.93	A272	B2112	9110	9111		WB	-	-	2.0%	1.8%	1.8%	-	-	3.9%	4.5%	4.8%
19.1%																
1.5%																
Non Strategic Links (B Roads)																
B2116																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
B2116.52	Partidge Green	A281	3116	3110		EB	-	-	2.1%	2.0%	2.0%	-	-	3.5%	3.4%	3.2%
B2116.53	A281	B2118	7964	2938		EB	-	-	0.1%	0.1%	0.1%	-	-	0.1%	0.1%	0.2%
B2116.54	B2118	B2117	2934	2908		EB	-	-	0.0%	0.0%	0.1%	-	-	0.1%	0.0%	0.1%
B2116.55	B2117	A273	2966	2938		EB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2116.56	A273	B2112	2828	2822		EB	-	-	3.0%	3.6%	4.1%	-	-	4.9%	6.3%	7.0%
B2116.57	B2112	A275	7672	2698		EB	-	-	1.7%	1.8%	1.9%	-	-	2.7%	2.8%	2.9%
B2116.52	A281	Partidge Green	3110	3116		WB	-	-	4.9%	3.6%	4.1%	-	-	7.9%	4.1%	3.9%
B2116.53	B2118	A281	2938	7964		WB	-	-	2.7%	2.4%	2.3%	-	-	5.1%	4.9%	5.3%
B2116.54	B2117	B2118	2908	2934		WB	-	-	0.0%	0.0%	0.2%	-	-	0.2%	0.9%	1.0%
B2116.55	A273	B2117	2938	2966		WB	-	-	1.9%	1.9%	1.9%	-	-	2.6%	3.7%	2.9%
B2116.56	B2112	A273	2822	2828		WB	-	-	15.0%	25.2%	20.3%	-	-	24.9%	13.1%	25.9%
B2116.57	A275	B2112	2698	7672		WB	-	-	4.0%	3.9%	3.8%	-	-	8.3%	6.1%	6.1%
29.0%																
0.0%																
B2112																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
B2112.59	A273	B2116	2746	2778		NB	-	-	1.0%	1.1%	1.1%	-	-	1.9%	1.8%	1.8%
B2112.60	B2116	B2113	7722	3004		NB	-	-	1.1%	1.1%	1.2%	-	-	1.9%	1.8%	2.0%
B2112.59	B2113	A272	7724	3316		NB	-	-	0.7%	0.9%	0.9%	-	-	1.1%	1.6%	1.8%
B2112.59	B2116	A273	2778	2746		SB	-	-	7.5%	6.7%	6.0%	-	-	13.2%	15.1%	1.5%
B2112.60	B2113	B2116	3004	7722		SB	-	-	3.7%	3.9%	3.8%	-	-	7.1%	7.4%	7.2%
B2112.60	A272	B2113	3316	7724		SB	-	-	1.7%	0.9%	0.9%	-	-	3.1%	0.1%	0.1%
15.1%																
0.0%																
B2117																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
B2117.61	A281	B2118	2752	2790		NB	-	-	2.6%	2.6%	2.7%	-	-	4.4%	4.5%	4.6%
B2117.62	B2118	B2116	7690	2908		NB	-	-	2.5%	2.4%	2.6%	-	-	4.3%	4.2%	4.5%
B2117.61	B2116	A281	2790	2752		SB	-	-	8.8%	8.2%	8.0%	-	-	17.6%	16.9%	18.2%
B2117.62	B2118	B2118	7690	7690		SB	-	-	2.4%	2.2%	2.1%	-	-	5.0%	6.1%	6.1%
19.2%																
2.3%																
B2118																
Ref.	Link		SATURN Node List			Direction	Base Year	2021			2031					
	From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2
B2118.63	B2117	B2116	2790	2898		NB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2118.64	B2116	A23	2938	2984		NB	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.3%	0.3%
B2118.63	B2116	B2117	2898	2790		SB	-	-	6.6%	6.7%	6.6%	-	-	13.1%	7.1%	6.9%



B2110.74	B2036	A23	4206	4012		SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%
B2110.75	B2029	B2036	7784	4248		SB	-	-	-	2.7%	2.4%	2.4%	-	-	4.8%	4.3%	4.8%
B2110.76	East Grinstead	B2028	4592	7768		SB	-	-	-	3.2%	2.9%	3.0%	-	-	4.3%	4.0%	4.5%
										10.2%	0.0%						

Ref.	Link	SATURN Node List					Direction	Base Year	2021					2031				
		From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2114.77	B2110	B2115	3774	3796		NB	-	-	-	2.3%	1.8%	2.9%	-	-	7.2%	5.4%	6.7%	
B2114.77	B2115	B2110	3796	3774		SB	-	-	-	1.9%	1.7%	1.6%	-	-	3.2%	2.9%	2.8%	
										7.2%	1.6%							

Ref.	Link	SATURN Node List					Direction	Base Year	2021					2031				
		From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2115.78	B2110	A23	3788	3670		EB	-	-	-	14.0%	13.9%	13.5%	-	-	22.2%	20.0%	22.7%	
B2115.79	A23	B2114	3790	3662		EB	-	-	-	0.2%	0.1%	0.1%	-	-	0.3%	0.1%	0.1%	
B2115.80	B2114	Cuckfield	3662	3620		EB	-	-	-	0.3%	0.1%	0.1%	-	-	0.6%	0.2%	0.2%	
B2115.78	A23	B2110	3670	3788		WB	-	-	-	2.3%	1.9%	1.6%	-	-	4.0%	3.3%	2.7%	
B2115.79	B2114	A23	3662	3790		WB	-	-	-	0.6%	0.6%	0.6%	-	-	2.0%	2.2%	2.2%	
B2115.80	Cuckfield	B2114	3620	3662		WB	-	-	-	0.8%	0.5%	1.1%	-	-	2.5%	2.2%	2.6%	
										22.7%	0.1%							

**Town Centre Links**

Ref.	Link	SATURN Node List					Direction	Base Year	2021					2031				
		From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3

Burgess Hill																	
A273																	
A273.TC01	B2036	Charles Avenue	3000	3026		NB	-	-	-	1.7%	1.2%	2.2%	-	-	2.9%	2.5%	4.8%
A273.TC02	Charles Avenue	York Road	3026	3074		NB	-	-	-	3.4%	3.0%	5.8%	-	-	5.7%	6.3%	11.8%
A273.TC03	York Road	Malthouse Lane	3074	3128		NB	-	-	-	3.5%	3.3%	5.7%	-	-	6.1%	7.1%	10.8%
A273.TC04	Malthouse Lane	A2300	3164	3188		NB	-	-	-	3.8%	3.6%	6.2%	-	-	6.5%	8.6%	12.3%
A273.TC05	A2300	Sussex Way	3188	3202		NB	-	-	-	5.6%	0.4%	0.4%	-	-	11.3%	0.7%	0.8%
A273.TC06	Sussex Way	B2036	3202	3226		NB	-	-	-	5.0%	0.7%	0.8%	-	-	10.6%	1.2%	1.4%
A273.TC07	Charles Avenue	B2036	3026	3000		SB	-	-	-	4.6%	1.8%	1.9%	-	-	9.8%	1.8%	2.0%
A273.TC08	York Road	Charles Avenue	3074	3026		SB	-	-	-	6.5%	2.9%	3.1%	-	-	13.8%	4.7%	5.0%
A273.TC09	Malthouse Lane	York Road	3128	3074		SB	-	-	-	4.3%	2.2%	1.9%	-	-	8.7%	2.6%	2.9%
A273.TC04	A2300	Malthouse Lane	3168	3184		SB	-	-	-	3.8%	4.7%	4.9%	-	-	18.4%	9.8%	16.9%
A273.TC05	Sussex Way	A2300	3202	3188		SB	-	-	-	33.9%	12.3%	11.2%	-	-	55.9%	45.0%	38.7%
A273.TC06	B2036	Sussex Way	3226	3202		SB	-	-	-	30.8%	6.7%	7.2%	-	-	53.5%	24.0%	27.1%
B2038																	
B2038.TC01	A273	B2113	3078	3078		NB	-	-	-	0.7%	0.4%	0.4%	-	-	1.1%	1.1%	1.1%
B2038.TC02	B2113	Victoria Way	3078	3086		NB	-	-	-	1.8%	0.6%	0.8%	-	-	2.3%	1.7%	1.8%
B2038.TC03	Victoria Way	royal George Road	3086	3102		NB	-	-	-	2.4%	1.0%	1.1%	-	-	3.9%	2.9%	2.8%
B2038.TC04	royal George Road	West Street	3102	3150		NB	-	-	-	1.9%	1.3%	1.6%	-	-	2.4%	2.6%	2.8%
B2038.TC11	West Street	Leylands Road	3150	3158		NB	-	-	-	1.3%	0.9%	1.0%	-	-	2.4%	2.3%	2.5%
B2038.TC12	B2113	A273	3078	3078		SB	-	-	-	10.5%	9.0%	8.9%	-	-	17.2%	21.4%	23.1%
B2038.TC01	Victoria Way	B2113	3086	3078		SB	-	-	-	3.8%	1.9%	1.9%	-	-	12.4%	18.3%	16.2%
B2038.TC02	royal George Road	Victoria Way	3102	3086		SB	-	-	-	13.7%	2.3%	3.0%	-	-	23.3%	18.3%	21.1%
B2038.TC03	West Street	royal George Road	3150	3102		SB	-	-	-	14.9%	2.9%	3.2%	-	-	25.4%	19.3%	22.3%
B2038.TC04	Leylands Road	West Street	3150	3150		SB	-	-	-	15.8%	2.1%	2.7%	-	-	22.0%	17.0%	18.5%
B2038.TC11	A273	B2113	3078	3078		SB	-	-	-	0.7%	0.4%	0.4%	-	-	1.1%	1.1%	1.1%
B2038.TC12	B2113	Victoria Way	3078	3086		SB	-	-	-	1.8%	0.6%	0.8%	-	-	2.3%	1.7%	1.8%
B2113																	
B2113.TC11	B2036	Civic Way	3078	3092		EB	-	-	-	0.1%	0.1%	0.0%	-	-	0.2%	0.2%	0.1%
B2113.TC14	Civic Way	Mill Road	3082	6035		EB	-	-	-	0.3%	0.1%	0.1%	-	-	0.5%	0.3%	0.2%
B2113.TC15	Mill Road	Keymer Road	6035	3096		EB	-	-	-	3.0%	3.8%	10.9%	-	-	5.4%	7.4%	15.1%
B2113.TC16	Keymer Road	Kingsway	3020	3012		EB	-	-	-	1.8%	0.6%	0.6%	-	-	2.9%	2.6%	2.7%
B2113.TC17	Kingsway	B2112	3012	3004		EB	-	-	-	4.1%	3.2%	3.7%	-	-	7.9%	6.5%	7.3%
B2113.TC18	Civic Way	B2036	3082	3078		WB	-	-	-	1.6%	7.1%	1.1%	-	-	3.0%	12.9%	13.2%
B2113.TC19	Mill Road	Civic Way	6035	3092		WB	-	-	-	4.6%	1.8%	1.9%	-	-	14.4%	8.8%	13.0%
B2113.TC14	Keymer Road	Mill Road	3056	6035		WB	-	-	-	2.6%	2.9%	2.5%	-	-	6.1%	4.8%	4.4%
B2113.TC15	Keymer Road	3012	3020		WB	-	-	-	-	6.4%	4.7%	6.5%	-	-	11.2%	8.0%	13.8%
B2113.TC17	B2112	Kingsway	3004	3012		WB	-	-	-	1.9%	0.6%	0.1%	-	-	2.2%	1.0%	2.9%
Leylands Road																	
LR.TC18	B2036	Mill Road	3172	3172		EB	-	-	-	13.3%	2.2%	2.3%	-	-	22.8%	2.7%	2.9%
LR.TC19	Mill Road	Junction Road	3182	3192		EB	-	-	-	10.4%	16.4%	17.9%	-	-	18.8%	28.2%	29.0%
LR.TC18	Mill Road	B2036	3172	3172		WB	-	-	-	14.8%	2.1%	1.8%	-	-	23.9%	11.3%	16.5%
LR.TC19	Junction Road	Mill Road	3182	3182		WB	-	-	-	11.2%	15.5%	14.0%	-	-	18.7%	28.3%	23.0%
James Lane																	
JL.TC20	Junction Road	B2112	3200	3170		EB	-	-	-	15.8%	16.9%	22.0%	-	-	23.7%	33.6%	35.2%
JL.TC20	B2112	Junction Road	3170	3200		WB	-	-	-	9.2%	13.8%	11.0%	-	-	14.3%	18.1%	15.0%
Junction Road																	
JR.TC21	B2116	B2113	2902	3020		NB	-	-	-	2.1%	4.3%	4.2%	-	-	4.1%	4.8%	6.9%
JR.TC22	B2113	7728	3056		NB	-	-	-	-	2.0%	2.1%	1.8%	-	-	3.7%	3.2%	3.5%
JR.TC23	B2113	Cants Lane	3056	3146		NB	-	-	-	0.2%	0.2%	0.1%	-	-	0.3%	0.4%	0.2%
JR.TC24	Cants Lane	Leylands Road	3146	3192		NB	-	-	-	16.2%	14.1%	12.3%	-	-	26.0%	26.0%	24.1%
JR.TC25	Leylands Road	James Lane	3192	3200		NB	-	-	-	15.8%	19.3%	19.9%	-	-	15.8%	23.0%	23.0%
JR.TC26	James Lane	B2112	3200	3248		NB	-	-	-	5.3%	8.6%	7.6%	-	-	10.3%	14.7%	16.1%
JR.TC21	B2113	B2116	3020	2902		SB	-	-	-	6.5%	9.2%	8.1%	-	-	11.7%	16.9%	11.2%
JR.TC22	B2113	3056	7728		SB	-	-	-	-	3.9%	5.8%	10.0%	-	-	7.2%	11.8%	17.2%
JR.TC23	Cants Lane	B2113	3146	3056		SB	-	-	-	2.0%	2.6%	1.5%	-	-	4.5%	5.9%	2.7%
JR.TC24	Leylands Road	Cants Lane	3192	3146		SB	-	-	-	7.4%	6.3%	6.9%	-	-	13.4%	13.0%	11.7%
JR.TC25	James Lane	Leylands Road	3200	3192		SB	-	-	-	4.7%	7.6%	6.2%	-	-	9.3%	10.5%	8.6%
JR.TC26	B2112	James Lane	3248	3200		SB	-	-	-	1.4%	1.8%	1.8%	-	-	0.6%	3.3%	3.1%
										55.9%	0.0%						

**Hoysteads Heath**

Ref.	Link	SATURN Node List					Direction	Base Year	2021					2031				
		From	To	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2028																		
B2028.TC21	Broadway Court	Sydney Road	3498	3558		NB	-	-	-	#DIV/0!	#DIV/0!	#DIV/0!	-	-	#DIV/0!	#DIV/0!	#DIV/0!	
B2028.TC22	Sydney Road	B2112	3558	3598		NB	-	-	-	10.5%	9.9%	10.4%	-	-	19.0%	16.5%	18.5%	
B2028.TC23	B2112	Summerhill Lane	3598	3574		NB	-	-	-	13.8%	12.8%	12.8%	-	-	23.6%	19.7%	20.5%	
B2028.TC24	Summerhill Lane	B2111	3574	3596		NB	-	-	-	12.5%	10.3%	11.3%	-	-	22.5%	16.8%	21.3%	
B2028.TC21	Sydney Road	Broadway Court	3558	3498		SB	-	-	-	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	
B2028.TC22	Sydney Road	B2112	3558	3598		SB	-	-	-	8.9%	13.8%	13.9%	-	-	15.8%	23.0%	23.0%	
B2028.TC23</																		



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## **A.14. Strategic and Non-Strategic Ratio of Link Flows to Capacity**

C00302422 Mid Sussex Transport Study - Strategic and Non Strategic Ratios of Flow to Capacity (AM Peak)

Strategic Links (Motorway and Trunk Routes)

Ref.	Link	From	To	SATURN Node List			Direction	Capacity	Base Year	2021						2031					
				A-Node	B-Node	C-Node				Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3		
				M23.11	Jct 11	Jct 10A				4294	4454	4454	NB	6820	51.6%	52.9%	53.4%	53.1%	52.3%	53.4%	53.3%
M23.12	Jct 10A	Jct 10	4454	4770	4770	NB	6820	59.1%	67.9%	61.2%	61.1%	60.6%	61.2%	62.4%	62.1%	62.3%	62.2%	62.1%			
M23.13	Jct 9	Jct 10	7518	4946	4946	NB	6820	57.7%	62.4%	63.4%	63.9%	63.5%	63.5%	63.9%	63.9%	63.9%	63.9%	64.0%	64.0%		
M23.11	Jct 10A	Jct 11	4434	4222	4222	SB	6820	31.7%	33.1%	34.8%	34.9%	35.1%	35.0%	34.4%	35.9%	36.4%	36.3%	36.6%	36.6%		
M23.12	Jct 10	Jct 10A	4776	4434	4434	SB	6820	37.4%	39.9%	41.3%	41.9%	41.9%	41.9%	41.5%	42.2%	43.9%	43.9%	44.3%	44.3%		
M23.13	Jct 9	Jct 10	4946	4859	4859	SB	6820	50.5%	53.8%	53.8%	54.6%	54.6%	54.6%	54.6%	54.6%	54.6%	54.6%	54.6%	54.6%		

Key:	Criteria:
	<75%
	75%-85%
	85%-100%
	100% +

Ref.	Link	From	To	SATURN Node List			Direction	Capacity	Base Year	2021						2031					
				A-Node	B-Node	C-Node				Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3		
				A23.1	A27	A273				2542	2578	2578	NB	6146	71.0%	75.6%	74.3%	75.9%	74.7%	74.7%	77.4%
A23.2	A281	B217	2658	2672	2672	NB	4098	85.0%	92.4%	91.6%	92.8%	93.6%	93.1%	94.1%	94.6%	95.3%	95.3%	95.6%			
A23.3	A281	B217	2684	2774	2774	NB	4098	61.5%	68.1%	64.6%	65.4%	66.3%	66.2%	67.3%	68.5%	67.5%	68.9%	68.0%			
A23.4	B217	B216	7325	7337	7337	NB	4098	79.9%	81.3%	83.1%	83.7%	84.4%	84.4%	85.4%	84.8%	85.8%	86.6%	86.6%			
A23.5	B216	A2300	7337	7324	7324	NB	4098	81.3%	83.9%	83.0%	83.6%	84.1%	84.1%	84.2%	84.2%	84.2%	84.2%	84.2%			
A23.6	A2300	A272	3296	3346	3346	NB	6146	60.5%	62.6%	62.4%	62.4%	62.4%	62.5%	62.9%	62.8%	63.6%	63.6%	63.1%			
A23.7	A272	B216	3600	3658	3658	NB	6146	63.3%	68.8%	69.1%	70.4%	70.6%	69.5%	69.3%	69.7%	71.5%	71.0%	71.1%			
A23.8	B216	B210	3640	3678	3678	NB	4098	86.8%	71.7%	71.2%	71.9%	72.1%	71.7%	71.9%	71.4%	72.3%	72.3%	72.2%			
A23.9	B210	M23	3884	4202	4202	NB	6146	65.1%	70.2%	70.2%	70.2%	70.2%	69.5%	70.1%	70.1%	70.2%	70.1%	70.1%			
A23.10	M23	A2004	4276	4366	4366	NB	6146	27.1%	29.0%	28.7%	28.3%	28.6%	28.5%	28.6%	27.7%	29.4%	28.1%	28.0%			
A23.11	A27	B210	3640	3678	3678	SB	6146	41.6%	47.8%	47.8%	48.9%	48.3%	48.5%	48.7%	47.4%	47.6%	50.2%	49.7%			
A23.2	A281	A273	2670	2664	2664	SB	4098	54.2%	59.4%	61.3%	62.9%	64.6%	63.2%	62.5%	61.9%	66.4%	64.6%	63.1%			
A23.3	B217	A281	2798	2670	2670	SB	4098	50.5%	55.6%	56.6%	58.3%	60.1%	58.0%	57.5%	57.0%	61.5%	59.9%	58.6%			
A23.4	B217	B211	3108	2798	2798	SB	4098	42.4%	48.3%	47.4%	48.3%	51.1%	50.3%	49.2%	48.5%	50.3%	51.1%	50.3%			
A23.5	A2300	B218	3166	3108	3108	SB	4098	55.5%	60.0%	61.1%	62.4%	64.4%	62.2%	62.0%	62.4%	61.7%	61.8%	61.9%			
A23.6	A272	A2300	3326	3242	3242	SB	6146	36.8%	38.6%	38.4%	42.0%	42.3%	42.5%	40.5%	40.3%	45.5%	45.8%	45.0%			
A23.7	B216	A272	3638	3516	3516	SB	6146	35.2%	37.7%	38.6%	39.8%	40.1%	40.1%	39.5%	39.9%	41.5%	41.8%	42.4%			
A23.8	B216	B2026	3872	3862	3862	SB	4098	65.3%	67.5%	68.5%	69.5%	70.5%	69.5%	69.5%	69.5%	69.5%	69.5%	69.5%			
A23.9	M23	B210	4178	4110	4110	SB	6146	42.3%	44.2%	44.2%	44.4%	44.7%	44.8%	46.2%	45.1%	45.7%	46.0%	46.2%			
A23.10	A2004	M23	4372	4280	4280	SB	6146	12.2%	10.7%	11.3%	11.4%	11.6%	11.7%	11.0%	12.0%	12.4%	12.6%	12.6%			

Ref.	Link	From	To	SATURN Node List			Direction	Capacity	Base Year	2021						2031					
				A-Node	B-Node	C-Node				Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3		
				A27.81	A2025	A283				2080	7373	7373	EB	6146	31.6%	32.0%	31.7%	31.9%	31.8%	31.7%	32.7%
A27.82	A283	A23	2254	2256	2256	EB	6146	53.4%	55.1%	55.0%	55.1%	54.7%	54.5%	56.8%	56.3%	55.6%	55.6%	55.7%			
A27.83	A23	A277	2484	2538	2538	EB	4098	57.3%	61.9%	62.4%	62.5%	62.6%	62.6%	63.7%	63.9%	64.3%	64.3%	64.3%			
A27.84	A283	A2026	2538	4855	4855	EB	4098	42.4%	45.3%	45.3%	45.3%	45.3%	45.3%	45.3%	45.3%	45.3%	45.3%	45.3%			
A27.81	A283	A2025	7372	2084	2084	WB	6146	25.2%	27.3%	28.3%	28.3%	28.3%	28.2%	27.0%	27.8%	29.0%	30.1%	29.9%			
A27.82	A23	A283	2258	2248	2248	WB	6146	45.5%	48.7%	50.2%	51.8%	51.6%	51.6%	49.1%	50.2%	52.9%	53.1%	53.1%			
A27.83	A27	A283	2538	2484	2484	WB	4098	60.3%	62.8%	62.8%	62.8%	62.8%	62.8%	62.8%	62.8%	62.8%	62.8%	62.8%			
A27.84	A26	A277	2528	2538	2538	WB	4098	32.7%	35.9%	35.9%	36.4%	36.4%	36.5%	36.8%	37.0%	36.9%	37.1%	37.0%			

Strategic Links (Other A Roads)

Ref.	Link	From	To	SATURN Node List			Direction	Capacity	Base Year	2021						2031					
				A-Node	B-Node	C-Node				Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3		
				A284.14	M23	A2220				4816	7364	7364	EB	1355	73.1%	78.0%	76.0%	77.7%	76.7%	77.3%	78.9%
A284.15	A2220	B2028	4864	7104	7104	EB	1355	89.0%	99.5%	101.2%	101.4%	101.2%	101.2%	103.8%	102.2%	105.5%	105.4%	105.0%			
A284.16	B2028	B2037	7106	4910	4910	EB	1355	17.6%	20.0%	20.2%	20.9%	22.9%	22.3%	22.0%	28.3%	28.3%	28.3%				
A284.17	B2037	7350	4855	4855	4855	EB	1355	30.9%	32.9%	32.9%	32.9%	32.9%	32.9%	32.9%	32.9%	32.9%	32.9%				
A284.14	A2220	M23	7364	4816	4816	WB	1355	74.7%	78.1%	78.4%	81.7%	80.2%	80.2%	78.2%	78.2%	78.2%	78.2%				
A284.15	A2220	A2220	7104	4864	4864	WB	1355	116.7%	119.7%	119.4%	118.7%	120.8%	119.6%	120.8%	118.6%	118.6%	120.7%				
A284.16	B2028	B2028	4816	7106	7106	WB	1355	45.9%	54.8%	55.2%	56.2%	56.2%	56.2%	56.2%	56.2%	56.2%	56.2%				
A284.17	A2220	B2037	4892	7350	7350	WB	1355	40.0%	60.5%	55.0%	57.2%	57.0%	56.0%	60.3%	52.5%	56.9%	56.6%				

Ref.	Link	From	To	SATURN Node List			Direction	Capacity	Base Year	2021						2031					
				A-Node	B-Node	C-Node				Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3		
				A22.18	B2028	A264				4892	5016	5016	NB	1355	66.3%	69.8%	69.8%	69.8%	69.8%	74.9%	75.0%
A22.19	A264	East Grinstead	5016	4892	4892	NB	1355	61.1%	57.4%	57.4%	59.5%	57.4%	57.4%	60.5%	58.8%	61.5%	60.0%	59.3%			
A22.18	A264	B2028	5016	4892	4892	SB	1355	79.6%	87.5%	86.6%	85.1%	84.9%	84.8%	83.7%	89.9%	90.1%	89.0%	89.3%			
A22.19	East Grinstead	A264	4876	4848	4848	SB	1355	54.2%	60.4%	59.4%	58.4%	57.6%	57.6%	63.2%	60.4%	60.5%	58.9%	58.2%			

Ref.	Link	From	To	SATURN Node List			Direction	Capacity	Base Year	2021						2031					
				A-Node	B-Node	C-Node				Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3		
				A22.20	East Grinstead	A275				4114	4348	4348	NB	1355	38.1%	41.7%	41.3%	42.5%	42.2%	43.2%	43.4%
A22.21	A275	Raven Wood	4348	4096	4096	NB	1355	21.3%	24.8%	25.1%	25.4%	25.1%	25.3%	26.3%	26.9%	27.1%	27.1%				
A22.20	A275	East Grinstead	4348	4114	4114	SB	1355	10.9%	11.5%	12.2%	12.3%	11.7%	11.7%	12.3%	12.6%	11.9%	11.9%				
A22.21	Raven Wood	A275	4096	4131	4131	SB	1355	7.9%	7.6%	8.2%	8.5%	8.1%	7.9%	8.3%	9.9%	9.9%	9.9%				

Ref.	Link	From	To	SATURN Node List			Direction	Capacity	Base Year	2021						2031					
				A-Node	B-Node	C-Node				Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3		
				A2300.22	A23	A273				3236	8111	8111	EB	1355	77.7%	67.8%	60.0%	60.0%	60.0%	60.0%	60.0%
A2300.22	A273	A23	8111	3236	3236	WB	1355	75.9%	77.6%	77.2%	77.2%	77.2%	77								

Ref.	Link	From	To	A-Node	B-Node	C-Node	Direction	Capacity	Base Year	2021	2031	2041	2051	2061	2071	2081	2091			
Ref.	Link	From	To	A-Node	B-Node	C-Node	Direction	Capacity	Base Year	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
A264.58	B2026	East Grinstead	4870	4880			WB	1188	59.9%	66.3%	65.6%	66.1%	65.9%	66.4%	67.1%	67.2%	68.3%	68.8%	68.6%	
<b>A273</b>																				
A273.43	A23	B2112	2656	2748			NB	1188	83.9%	84.7%	84.7%	84.7%	84.7%	84.7%	84.7%	84.7%	84.7%	84.7%	84.7%	84.7%
A273.44	B2116	B2116	2748	2814			NB	1188	64.4%	62.0%	61.2%	62.7%	59.5%	54.4%	64.4%	61.4%	60.1%	59.3%	56.0%	
A273.45	B2116	B2116	2748	2814			NB	1188	67.0%	64.4%	63.7%	66.1%	63.9%	58.4%	66.9%	64.1%	63.2%	62.3%	60.6%	
A273.46	B2036	A2300	3128	3164			NB	1470	44.5%	45.3%	45.1%	45.5%	43.9%	43.7%	45.0%	44.9%	45.0%	45.0%	45.0%	
A273.47	B2036	A2300	3128	3164			NB	1470	44.5%	45.3%	45.1%	45.5%	43.9%	43.7%	45.0%	44.9%	45.0%	45.0%	45.0%	
A273.48	B2036	A272	7740	3418			NB	1188	51.5%	50.9%	50.0%	61.8%	61.9%	62.4%	51.3%	49.6%	71.1%	65.8%	62.4%	
A273.49	Keymer Rd	A273	3020	3006			NB	1470	-	-	-	-	-	-	-	-	-	-	-	
A273.43	A23	B2112	2748	2866			SB	1188	43.0%	35.3%	52.1%	60.8%	58.8%	47.0%	45.4%	49.3%	65.2%	67.1%	48.4%	
A273.44	B2116	B2116	2814	2748			SB	1188	31.6%	31.3%	37.0%	42.0%	37.9%	42.7%	31.8%	38.0%	43.3%	47.0%	52.6%	
A273.45	B2116	B2116	2974	7716			SB	1188	42.6%	45.1%	52.7%	60.5%	58.2%	62.2%	49.2%	51.8%	68.1%	65.0%	61.0%	
A273.46	A2300	B2036	3164	3128			SB	1470	30.5%	30.3%	29.8%	29.6%	29.0%	29.3%	29.3%	29.3%	29.3%	29.3%	27.4%	
A273.47	B2036	A2300	3226	3020			SB	1470	30.7%	34.0%	35.9%	42.5%	10.4%	10.5%	33.9%	35.4%	49.0%	13.2%	14.2%	
A273.48	A272	B2036	3418	7740			SB	1188	33.7%	41.7%	46.2%	48.1%	49.7%	50.3%	41.0%	45.8%	31.7%	35.8%	45.1%	
A273.49	A273	Keymer Rd	3006	3020			SB	1470	-	-	-	-	-	-	-	-	-	-	22.2%	
<b>A275</b>																				
A275.49	Lewes	B2116	2604	2666			NB	1188	21.6%	22.1%	21.8%	21.8%	21.8%	21.8%	21.8%	23.0%	21.9%	21.9%	21.8%	
A275.50	B2116	A272	7369	3212			NB	1188	69.1%	70.7%	75.6%	78.0%	77.5%	78.9%	78.9%	78.9%	81.0%	81.0%	82.6%	
A275.51	A272	A22	3322	3570			NB	1188	17.5%	18.7%	18.6%	20.1%	20.2%	20.3%	20.3%	21.8%	21.8%	22.8%	22.8%	
A275.49	B2116	Lewes	2666	2604			SB	1188	18.1%	18.3%	18.5%	18.7%	18.5%	18.4%	18.3%	18.4%	18.7%	18.7%	18.7%	
A275.50	A272	B2116	3212	7369			SB	1188	20.3%	18.5%	18.6%	20.7%	23.0%	27.7%	20.5%	18.8%	22.3%	23.3%	30.0%	
A275.51	A272	A22	3570	3322			SB	1188	8.6%	8.7%	9.2%	9.4%	9.6%	9.6%	9.6%	9.3%	9.9%	9.6%	8.6%	
<b>A277</b>																				
A277.87	A27	A275	2538	2552			NB	1110	59.7%	67.0%	66.1%	65.9%	66.7%	66.5%	69.3%	71.2%	72.4%	71.4%	72.1%	
A277.88	A275	A26	2558	2558			NB	900	38.2%	43.1%	41.2%	41.8%	41.9%	42.1%	44.1%	48.4%	49.0%	48.0%	48.0%	
A277.87	A275	A27	2552	2538			SB	1110	102.0%	110.0%	111.0%	114.4%	112.1%	112.6%	112.5%	114.9%	112.7%	113.0%	114.7%	
A277.88	A26	A275	2554	2558			SB	900	51.7%	53.0%	52.6%	54.6%	54.5%	52.7%	54.3%	54.8%	54.3%	54.3%	55.3%	
<b>A2220</b>																				
A2220.89	B2036	A264	4716	4768			NB	1297	35.9%	18.1%	42.7%	-0.8%	42.4%	41.9%	41.7%	42.8%	42.8%	44.1%	43.5%	
A2220.89	A264	B2036	7368	4716			SB	1297	70.2%	70.4%	1.0%	66.5%	67.2%	66.7%	70.4%	66.9%	66.6%	67.6%	67.6%	
<b>Northern Arc Spine Rd</b>																				
LR.95	A273	B2036	8109	8115			WB	1470	-	-	-	-	-	68.5%	65.2%	-	-	-	47.0%	
LR.96	B2036	A2300	8114	8113			WB	1470	-	-	-	-	-	38.6%	37.2%	-	-	-	24.3%	
LR.94	A273	Leylands Rd	8117	9963			EB	1470	-	-	-	-	-	37.2%	33.1%	-	-	-	54.0%	
LR.95	B2036	A273	8115	8109			EB	1470	-	-	-	-	-	68.5%	65.2%	-	-	-	47.0%	
LR.96	A2300	B2036	8113	8114			EB	1470	-	-	-	-	-	33.8%	32.2%	-	-	-	26.5%	
<b>Haywards Heath Relief Rd</b>																				
HH.92	A273	B2112	3448	9108			EB	1470	-	-	20.0%	26.9%	14.6%	18.1%	19.7%	19.9%	22.4%	12.8%	14.0%	
HH.93	B2112	A272	9111	9111			EB	1470	-	-	11.2%	5.0%	12.3%	11.9%	11.9%	11.8%	11.5%	11.0%	12.5%	
HH.92	B2112	A273	9108	3448			WB	1470	-	-	42.6%	42.6%	43.5%	43.1%	43.1%	43.1%	43.1%	43.1%	41.6%	
HH.93	A272	B2112	9110	9111			WB	1470	-	-	31.0%	18.4%	25.3%	26.0%	34.9%	31.3%	23.9%	17.9%	17.4%	
<b>Non Strategic Links (B Roads)</b>																				
<b>B2116</b>																				
B2116.52	Partridge Green	A281	3116	3110			EB	1188	21.3%	25.7%	24.9%	24.0%	24.4%	24.2%	27.1%	26.2%	25.6%	25.8%	26.4%	
B2116.53	A281	B2116	7964	2938			EB	1061	20.3%	17.2%	16.2%	14.5%	14.3%	14.0%	16.9%	15.9%	14.7%	14.6%	14.9%	
B2116.54	B2116	B2117	2934	2940			EB	1061	15.3%	20.5%	17.8%	18.4%	17.2%	20.1%	17.7%	18.7%	18.7%	18.4%		
B2116.55	A273	A273	2868	2838			EB	1110	34.5%	36.2%	33.5%	34.9%	34.5%	36.6%	33.5%	35.7%	35.5%	35.6%		
B2116.56	A273	B2112	2828	2822			EB	900	39.3%	45.3%	45.0%	46.6%	46.4%	44.0%	45.9%	45.9%	48.2%	48.9%	50.1%	
B2116.57	A281	B2116	2934	2940			EB	1061	17.8%	21.6%	19.8%	20.3%	20.3%	21.6%	21.6%	22.8%	22.8%	23.8%		
B2116.52	A281	Partridge Green	3110	3116			WB	1188	37.3%	41.1%	40.1%	44.3%	44.2%	42.8%	41.8%	37.9%	47.7%	45.9%	43.6%	
B2116.53	B2116	A281	2938	7964			WB	1061	21.7%	25.4%	24.7%	26.0%	27.6%	28.3%	25.1%	23.3%	26.8%	29.6%	29.1%	
B2116.54	B2116	A273	2868	2838			WB	1061	37.2%	43.1%	43.8%	45.1%	45.1%	41.4%	42.1%	46.2%	43.2%	50.6%		
B2116.55	A273	B2116	2838	2868			WB	1110	31.6%	34.0%	32.9%	35.3%	36.0%	49.9%	38.9%	30.9%	38.7%	54.7%	56.4%	
B2116.56	B2112	A273	2822	2828			WB	900	2.2%	2.8%	2.6%	2.9%	3.0%	4.2%	3.3%	2.8%	4.1%	2.6%	5.4%	
B2116.57	A275	B2112	2698	7872			WB	1061	14.7%	13.6%	14.0%	14.3%	14.1%	14.4%	14.1%	14.2%	15.9%	15.9%	15.6%	
<b>B2112</b>																				
B2112.59	A273	B2116	2746	2778			NB	1061	43.4%	56.5%	56.0%	55.8%	52.5%	48.5%	59.7%	57.7%	61.3%	57.6%	52.9%	
B2112.60	B2116	B2113	7722	3004			NB	1061	36.6%	42.3%	41.7%	41.9%	41.8%	39.7%	43.5%	42.7%	45.4%	46.7%	41.7%	
B2112.90	B2113	A272	7724	3816			NB	1061	60.9%	63.3%	63.6%	63.9%	63.8%	64.3%	62.5%	63.1%	64.2%	64.5%	64.6%	
B2112.59	B2116	A273	2778	2746			SB	1061	34.5%	38.2%	38.8%	40.5%	40.2%	42.1%	40.6%	37.6%	39.8%	37.8%	23.4%	
B2112.60	B2113	B2116	3004	7722			SB	1061	23.1%	28.5%	27.6%	29.9%	28.7%	28.9%	28.8%	27.2%	30.9%	29.7%	29.8%	
B2112.90	A272	B2113	3316	7724			SB	1061	32.2%	44.4%	44.6%	43.5%	43.2%	43.2%	45.0%	44.5%	40.6%	39.2%	40.8%	
<b>B2117</b>																				
B2117.61	A281	B2118	2752	2790			NB	1061	11.1%	13.7%	11.9%	12.2%	12.2%	12.1%	14.8%	12.8%	13.4%	12.9%	13.7%	
B2117.62	B2118	B2116	7690	2908			NB	1061	28.6%	32.6%	28.6%	29.5%	29.5%	28.7%	33.8%	29.3%	31.2%	30.8%	30.6%	
B2117.61	B2118	A281	2790	2752			SB	1061	6.3%	8.0%	8.2%	9.4%	9.9%	11.2%	8.0%	7.7%	10.4%	12.8%	14.7%	
B2117.62	B2116	B2118	2908	7690			SB	1061	32.9%	39.6%	37.0%	39.6%	39.6%	39.2%	39.4%	35.2%	38.9%	41.4%	42.9%	
<b>B2118</b>																				
B2118.63	B2117	B2116	2790	2898			NB	1391	3.4%	2.1%	2.0%	2.1%	2.1%	2.2%	2.1%	2.1%	1.9%	2.1%		
B2118.64	B2116	A23	2938	2984			NB	1391	29.2%	24.7%	26.8%	26.8%	26.5%	27.1%	23.3%	24.6%	27.3%	30.0%		
B2118.63	B2116	B2117	2898	2790			NB	1391	4.7%	5.4%	5.4%	5.8%	6.3%	5.7%	6.5%	5.3%	5.8%	5.6%		
B2118.64	A23	B2116	2984	2938			SB	1391	14.2%	16.7%	16.8%	17.4%	16.9%	16.9%						

Ref.	Link	From	To	A-Node	B-Node	C-Node	Direction	Capacity	Base Year	2021	2031	2041	2051	2061	2071	2081	2091	2101	
										B2115									
										Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2114.77	B2115	B2110	3796	3774			SB	1061	13.3%	15.6%	17.7%	18.2%	18.5%	19.1%	19.5%	19.0%	19.6%	19.9%	20.1%
Town Centre Links																			
Burgess Hill																			
Ref.	Link	From	To	A-Node	B-Node	C-Node	Direction	Capacity	Base Year	2021	2031	2041	2051	2061	2071	2081	2091	2101	
										A273									
										Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A273.TC01	B2036	Charles Avenue	3000	3026			NB	1470	50.1%	53.5%	50.8%	54.6%	47.2%	62.7%	54.9%	51.1%	57.3%	47.2%	57.6%
A273.TC02	Charles Avenue	York Road	3026	3074			NB	1470	33.2%	35.9%	34.8%	39.3%	28.9%	49.8%	37.1%	35.2%	40.7%	26.4%	26.2%
A273.TC03	York Road	Malthouse Lane	3074	3128			NB	1470	41.7%	43.9%	42.4%	46.1%	33.4%	54.2%	43.3%	41.9%	48.2%	30.4%	34.2%
A273.TC04	Malthouse Lane	A2300	3164	3188			NB	1470	44.9%	46.3%	45.1%	48.5%	33.9%	54.7%	46.0%	44.9%	50.9%	30.4%	32.0%
A273.TC05	A2300	Sussex Way	3188	3202			NB	1470	47.1%	49.2%	48.0%	50.9%	35.0%	59.2%	49.2%	48.3%	54.2%	31.1%	33.6%
A273.TC06	Sussex Way	B2036	3202	3226			NB	1470	42.0%	38.3%	34.1%	35.8%	11.4%	10.3%	39.4%	34.8%	36.3%	11.2%	9.3%
A273.TC07	Charles Avenue	B2036	3026	3000			SB	1470	25.4%	27.4%	24.8%	23.9%	21.5%	22.7%	28.5%	25.5%	22.0%	18.3%	20.4%
A273.TC08	York Road	Charles Avenue	3074	3026			SB	1470	25.5%	27.8%	25.2%	24.8%	22.2%	23.3%	29.3%	26.1%	22.4%	18.2%	21.3%
A273.TC09	York Street	York Road	3128	3074			SB	1470	43.5%	47.9%	42.7%	42.8%	39.6%	40.5%	50.3%	44.5%	42.5%	37.0%	39.2%
A273.TC10	A2300	Malthouse Lane	3188	3164			SB	1470	30.3%	30.3%	28.4%	28.6%	26.0%	28.8%	32.3%	28.9%	28.4%	25.0%	27.4%
A273.TC11	Sussex Way	A2300	3188	3164			SB	1470	30.9%	30.9%	29.0%	29.2%	26.6%	29.4%	32.9%	29.5%	29.0%	25.6%	28.0%
A273.TC12	B2036	Sussex Way	3226	3202			SB	1470	30.7%	34.0%	35.9%	42.5%	10.4%	10.5%	33.9%	35.4%	40.0%	13.2%	14.2%
B2036																			
B2036.TC07	A273	B2113	7730	3078			NB	1260	60.5%	59.4%	60.0%	54.0%	67.2%	46.9%	69.9%	57.0%	51.6%	58.8%	48.7%
B2036.TC08	B2113	Victoria Way	3078	3086			NB	1260	41.4%	38.2%	38.2%	37.5%	39.7%	38.3%	36.4%	37.3%	34.6%	37.7%	29.1%
B2036.TC09	Victoria Way	Royal George Road	3086	3102			NB	1110	48.8%	43.8%	48.0%	45.3%	41.7%	37.1%	45.8%	48.5%	36.8%	41.6%	37.6%
B2036.TC10	Royal George Road	West Street	3102	3150			NB	1110	50.6%	46.8%	45.2%	42.8%	33.1%	28.2%	48.5%	45.7%	35.2%	31.0%	28.4%
B2036.TC11	West Street	Leylands Road	3150	3158			NB	1260	45.0%	44.0%	43.0%	40.8%	32.2%	46.3%	43.7%	34.2%	31.4%	29.0%	
B2036.TC12	Leylands Road	B2112	3180	3226			NB	1260	47.0%	61.4%	66.7%	70.1%	68.8%	48.3%	61.7%	65.5%	85.1%	88.8%	67.4%
B2036.TC13	B2113	A273	3078	7730			SB	1260	42.6%	47.5%	51.6%	57.9%	60.0%	48.9%	47.9%	50.3%	62.1%	56.7%	54.5%
B2036.TC14	Victoria Way	B2113	3086	3078			SB	1110	32.7%	32.7%	32.7%	32.7%	32.7%	32.7%	32.7%	32.7%	32.7%	32.7%	32.7%
B2036.TC15	Royal George Road	Victoria Way	3102	3086			SB	1110	52.1%	53.0%	57.7%	63.9%	37.6%	37.4%	53.2%	58.9%	67.2%	50.2%	50.8%
B2036.TC16	West Street	Royal George Road	3150	3102			SB	1110	59.2%	60.7%	65.7%	72.5%	44.9%	44.7%	61.0%	65.0%	67.2%	58.2%	58.3%
B2036.TC17	Leylands Road	West Street	3158	3150			SB	1260	63.5%	59.4%	59.4%	64.6%	64.6%	57.2%	63.9%	57.0%	51.6%	49.7%	49.7%
B2036.TC18	B2112	Leylands Road	3226	3180			SB	1260	68.9%	60.4%	63.7%	62.4%	66.2%	47.2%	60.7%	62.1%	57.7%	62.8%	48.6%
B2118																			
B2118.TC13	B2036	Civic Way	3078	3082			EB	1300	45.4%	54.7%	49.0%	50.6%	53.0%	48.1%	54.5%	50.4%	52.5%	54.1%	39.7%
B2118.TC14	Civic Way	Mill Road	3082	6035			EB	900	85.3%	81.6%	75.8%	77.9%	76.0%	76.0%	83.7%	77.9%	61.9%	63.0%	60.5%
B2118.TC15	Mill Road	Keymer Road	6035	3056			EB	1110	60.1%	75.8%	71.3%	73.3%	71.9%	60.4%	57.1%	73.2%	79.4%	74.0%	74.9%
B2118.TC16	Keymer Road	Keymer Road	3056	3182			EB	1020	51.4%	58.5%	48.8%	49.2%	52.9%	48.0%	53.5%	50.7%	54.8%	44.8%	40.2%
B2118.TC17	Keymer Road	B2112	3012	3004			EB	1020	51.8%	56.7%	55.1%	58.0%	55.2%	62.1%	57.3%	55.7%	61.9%	57.9%	63.1%
B2118.TC18	Civic Way	B2036	3082	3078			WB	1300	57.8%	55.0%	71.6%	67.0%	60.0%	45.0%	58.7%	70.0%	81.7%	81.7%	82.9%
B2118.TC19	Mill Road	Civic Way	3082	3082			WB	900	48.4%	59.4%	100.4%	108.1%	108.1%	108.1%	108.1%	116.7%	112.4%	110.4%	110.4%
B2118.TC20	Keymer Road	Mill Road	3056	6035			WB	1110	70.5%	39.9%	39.9%	39.9%	39.4%	54.9%	39.9%	30.4%	100.4%	98.8%	97.4%
B2118.TC21	Keymer Road	Keymer Road	3012	3020			WB	1020	43.9%	47.2%	46.2%	48.4%	51.2%	54.2%	48.6%	47.4%	51.6%	53.0%	53.4%
B2118.TC22	Keymer Road	Keymer Road	3004	3012			WB	1020	44.3%	47.5%	47.5%	51.1%	53.1%	51.4%	49.0%	48.9%	48.3%	47.6%	
Leylands Road																			
LR.TC18	B2036	Mill Road	7732	3172			EB	1110	54.3%	55.4%	49.4%	56.0%	38.7%	35.5%	48.4%	48.5%	62.8%	49.2%	36.4%
LR.TC19	Mill Road	Junction Road	3182	3182			NB	1110	35.4%	35.4%	35.4%	35.4%	35.4%	35.4%	35.4%	35.4%	35.4%	35.4%	35.4%
LR.TC20	Mill Road	B2036	3172	7732			WB	1110	43.3%	43.6%	43.1%	49.3%	22.2%	21.8%	42.8%	43.5%	69.0%	26.7%	27.2%
LR.TC21	Junction Road	Mill Road	3182	3182			WB	1110	56.1%	53.4%	53.4%	60.7%	47.3%	44.0%	54.0%	53.9%	81.9%	49.9%	49.9%
Junction Road																			
JL.TC20	Junction Road	B2112	3200	3170			EB	1110	22.5%	22.4%	24.5%	27.8%	28.4%	22.9%	23.1%	24.4%	30.8%	36.6%	30.6%
JL.TC21	B2112	Junction Road	3170	3200			WB	1110	26.2%	28.5%	27.7%	28.4%	23.0%	20.5%	20.5%	28.8%	31.8%	24.3%	25.9%
Keymer Road																			
JR.TC21	B2116	B2113	2902	3020			NB	944	37.7%	59.7%	53.2%	53.0%	40.2%	52.3%	60.5%	53.6%	54.8%	40.7%	52.4%
JR.TC22	B2113	7728	3056				NB	1110	51.9%	59.2%	71.9%	73.0%	64.0%	45.8%	61.2%	71.9%	74.4%	62.8%	43.0%
JR.TC23	B2113	Cants Lane	3056	3146			NB	1110	33.7%	48.6%	43.6%	46.1%	42.9%	50.5%	49.4%	45.9%	48.3%	43.4%	48.5%
JR.TC24	Cants Lane	Leylands Road	7728	3150			NB	1110	19.1%	29.3%	28.9%	34.2%	45.0%	45.0%	53.5%	50.1%	43.3%	47.2%	
JR.TC25	Leylands Road	Janus Lane	3192	3200			NB	1110	53.9%	58.5%	61.7%	68.0%	70.4%	65.2%	61.8%	62.2%	74.0%	80.1%	83.3%
JR.TC26	Janus Lane	B2112	3200	3248			NB	1110	30.9%	37.5%	38.0%	41.7%	42.6%	43.5%	39.1%	35.9%	44.8%	45.0%	51.1%
JR.TC27	B2113	B2116	3056	2902			SB	1110	31.5%	31.5%	31.5%	31.5%	31.5%	31.5%	31.5%	31.5%	31.5%	31.5%	31.5%
JR.TC28	B2113	7728	3056				SB	1110	39.3%	53.5%	54.4%	55.7%	52.0%	70.8%	53.6%	55.3%	57.1%	56.8%	65.1%
JR.TC29	Cants Lane	B2113	3146	3056			SB	1110	31.9%	38.8%	45.4%	47.4%	47.3%	47.1%	38.8%	46.5%	52.3%	51.4%	53.0%
JR.TC30	Leylands Road	Cants Lane	3192	3150			SB	1110	55.2%	59.7%	59.7%	64.9%	64.9%	64.9%	64.9%	64.9%	64.9%	64.9%	64.9%
JR.TC31	Janus Lane	Leylands Road	3200	3192			SB	1110	50.6%	58.9%	55.9%	60.8%	48.7%	48.5%	59.7%	56.1%	60.9%	50.4%	53.0%
JR.TC32	B2112	Janus Lane	3248	3200			SB	1110	24.5%	29.8%	28.6%	33.0%	27.3%	27.3%	29.6%	28.0%	50.1%	27.8%	30.0%
Haywards Heath																			
Ref.	Link	From	To	A-Node	B-Node	C-Node	Direction	Capacity	Base Year	2021	2031	2041	2051	2061	2071	2081	2091	2101	
										B2028									
										Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2028.TC27	Broadway Court	Sydney Road	3498	3558			NB	1110	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
B2028.TC28	Sydney Road	B2112	3558	3566			NB	1110	71.3%	54.5%	52.4%	65.2%	60.8%	60.0%	56.8%	54.1%	70.4%	72.0%	66.4%
B2028.TC29	B2112	Summers Hill Lane	3566	3574			NB	1110	32.3%	39.3%	41.8%	42.9%	42.9%	42.9%	39.3%	42.9%	41.8%	42.9%	42.9%
B2028.TC30	Summers Hill Lane	B2111	3574	3586			NB	1260	18.0%	15.6%	15.4%	17.3%	16.8%	15.9%	16.2%	15.4%	18.6%	18.6%	16.7%
B2028.TC31	Sydney Road	Broadway Court	3558	3498			SB	1110	0.7%	16.1%	14.9%	12.8%	13.7%	13.6%	16.3%	13.5%	13.3%		



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**A.15. Strategic and Non-Strategic Ratio of Link Flows to Capacity (Worst Performing Links – Over 85%)**

A23																		
Ref.	Link			SATURN Node List			Direction	Capacity	Base Year	2021					2031			
	From	To	A-Node	B-Node	C-Node	Baseline				Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A23.2	A273	A291	2658	2672		NB	4098	86.0%	92.4%	91.4%	92.5%	93.6%	94.1%	94.1%	93.6%	93.3%	95.2%	95.0%
A23.3	A281	B2117	2684	2774		NB	4098	81.5%	86.1%	84.0%	85.4%	86.3%	85.2%	87.3%	86.5%	87.3%	88.3%	88.0%
A23.4	B2117	B2118	7325	7337		NB	4098	73.8%	84.3%	83.1%	83.7%	84.6%	84.6%	85.4%	84.8%	85.8%	86.6%	86.5%
A23.5	B2118	A2300	7337	7324		NB	4098	91.3%	93.9%	93.2%	93.6%	94.1%	94.1%	94.6%	94.2%	94.6%	95.3%	95.2%
A23.8	B2115	B2110	3680	3878		NB	4098	95.9%	71.3%	71.2%	71.9%	72.1%	71.7%	71.9%	71.4%	72.3%	72.6%	72.2%

A264																		
Ref.	Link			SATURN Node List			Direction	Capacity	Base Year	2021					2031			
	From	To	A-Node	B-Node	C-Node	Baseline				Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A264.15	A2220	B2028	4864	7104		EB	1355	89.0%	99.9%	101.2%	101.4%	101.2%	101.2%	103.8%	102.2%	105.4%	105.4%	105.0%
A264.15	B2028	A2220	4864	4864		WB	1355	116.7%	119.7%	118.4%	118.7%	120.3%	119.2%	120.3%	118.8%	119.9%	119.9%	120.7%

A22 (B2028 to East Grinstead)																		
Ref.	Link			SATURN Node List			Direction	Capacity	Base Year	2021					2031			
	From	To	A-Node	B-Node	C-Node	Baseline				Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A22.18	A264	B2028	5016	4892		SB	1355	79.5%	87.3%	86.6%	85.1%	84.9%	84.8%	93.7%	89.9%	90.1%	89.0%	89.3%

A2300																		
Ref.	Link			SATURN Node List			Direction	Capacity	Base Year	2021					2031			
	From	To	A-Node	B-Node	C-Node	Baseline				Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A2300.22	A23	A273	3236	8111		EB	1355	77.7%	67.8%	60.0%	60.0%	63.8%	60.6%	71.8%	62.0%	69.8%	105.6%	36.2%
A2300.22	A273	A23	8111	3236		WB	1355	76.3%	77.6%	77.5%	89.8%	92.6%	27.5%	77.2%	76.9%	104.1%	57.6%	10.1%

A272																		
Ref.	Link			SATURN Node List			Direction	Capacity	Base Year	2021					2031			
	From	To	A-Node	B-Node	C-Node	Baseline				Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A272.26	B2036	B2036	3450	3502		EB	1297	76.9%	83.0%	77.2%	77.2%	72.1%	69.1%	85.7%	79.4%	76.7%	76.3%	76.5%
A272.29	A273	B2028	3482	3494		EB	1297	98.9%	104.0%	104.5%	112.5%	111.7%	111.8%	109.0%	105.4%	114.4%	113.1%	113.1%
A272.28	A273	B2184	3492	3512		WB	1297	68.3%	68.7%	73.3%	74.2%	71.4%	66.2%	68.4%	71.1%	78.2%	85.4%	72.5%
A272.29	B2028	A273	3494	3482		WB	1297	93.3%	38.3%	38.6%	48.7%	48.6%	44.6%	38.0%	36.4%	58.5%	67.1%	57.0%

A273																		
Ref.	Link			SATURN Node List			Direction	Capacity	Base Year	2021					2031			
	From	To	A-Node	B-Node	C-Node	Baseline				Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A273.43	A23	B2112	2656	2746		NB	1188	83.3%	94.7%	91.7%	94.5%	92.0%	92.3%	99.1%	93.2%	101.1%	97.0%	98.5%

A277																		
Ref.	Link			SATURN Node List			Direction	Capacity	Base Year	2021					2031			
	From	To	A-Node	B-Node	C-Node	Baseline				Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A277.87	A275	A27	2552	2538		SB	1110	102.0%	110.0%	111.9%	111.4%	112.1%	112.6%	112.3%	113.9%	112.7%	113.0%	114.7%

B2110																		
Ref.	Link			SATURN Node List			Direction	Capacity	Base Year	2021					2031			
	From	To	A-Node	B-Node	C-Node	Baseline				Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2110.72	B2115	A281	7824	3756		SB	1061	72.9%	76.3%	79.8%	85.9%	85.6%	82.6%	76.2%	77.8%	85.0%	85.5%	81.9%

B2115																		
Ref.	Link			SATURN Node List			Direction	Capacity	Base Year	2021					2031			
	From	To	A-Node	B-Node	C-Node	Baseline				Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2115.80	Cuckfield	B2114	3620	3662		WB	1061	79.7%	83.7%	81.8%	82.5%	83.0%	88.1%	81.5%	79.9%	80.5%	84.4%	88.3%

Burgess Hill																		
Ref.	Link			SATURN Node List			Direction	Capacity	Base Year	2021					2031			
	From	To	A-Node	B-Node	C-Node	Baseline				Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
B2036.TC12	Leylands Road	B2112	3180	3226		NB	1260	47.0%	61.4%	66.4%	76.1%	69.8%	46.3%	61.7%	65.5%	85.1%	88.8%	67.4%
B2113.TC13	Civic Way	B2036	3082	3078		WB	1300	57.8%	69.0%	71.6%	76.9%	81.5%	45.0%	68.7%	70.0%	86.9%	91.3%	52.1%
B2113.TC14	Mill Road	Civic Way	6035	3662		WB	900	86.3%	104.8%	101.8%	107.0%	108.1%	53.1%	105.4%	102.8%	116.7%	112.4%	61.6%
B2113.TC15	Keymer Road	Mill Road	3056	6035		WB	1110	70.5%	92.9%	89.6%	92.9%	94.4%	54.9%	92.9%	90.4%	100.4%	98.8%	57.4%

East Grinstead																		
Ref.	Link			SATURN Node List			Direction	Capacity	Base Year	2021					2031			
	From	To	A-Node	B-Node	C-Node	Baseline				Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A22.TC46	College Lane	London Road	4738	4742		WB	900	84.3%	92.3%	93.6%	94.9%	91.2%	90.7%	94.2%	95.1%	97.4%	94.3%	94.3%



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## **A.16. Strategic and Non-Strategic Ratio of Junction Flows to Capacity**



**CO03022422 Mid Sussex Transport Study - Strategic and Non Strategic Ratios of Flow to Capacity (AM Peak)**

**Strategic Junctions (Motorway and Trunk Routes)**

Ref.	Junction	Base Year	2021					2031					
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
M23.M1	M23/ A264/ A2011		61.1%	77.6%	77.6%	74.5%	73.9%	74.2%	77.5%	73.1%	74.1%	73.6%	74.1%
M23.M2	M23/ B2036		72.6%	77.9%	77.9%	75.9%	75.2%	75.5%	75.2%	75.0%	75.2%	75.2%	75.2%
M23.M3	M23/ A23		108.7%	106.2%	106.2%	106.5%	104.1%	105.4%	106.0%	105.9%	104.8%	105.1%	104.0%

Key:	Criteria
	<75%
	75%-85%
	85%-100%
	100% +

Ref.	Junction	Base Year	2021					2031					
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
A23.A1	A23/B2110		74.8%	85.1%	83.1%	81.6%	81.2%	81.9%	88.1%	89.1%	83.2%	83.2%	86.6%
A23.A2	A23/B2115		40.7%	51.9%	51.9%	50.8%	50.9%	53.5%	49.8%	46.5%	49.2%	49.7%	53.8%
A23.A3	A23/ A272		72.7%	91.6%	91.6%	94.6%	97.3%	93.2%	91.7%	92.9%	98.8%	99.2%	94.0%
A23.A4	A23/ A2300		60.5%	61.2%	61.2%	71.1%	70.7%	68.7%	64.5%	61.7%	84.0%	63.2%	60.1%
A23.A5	A23/ B2118 North		100.1%	102.5%	102.5%	104.0%	105.0%	106.2%	102.8%	102.0%	109.6%	107.7%	108.3%
A23.A6	A23/ B2118 South		77.6%	85.9%	85.9%	81.6%	82.5%	83.3%	86.7%	84.7%	84.6%	84.6%	84.8%
A23.A7	A23/ A281		86.2%	92.6%	92.6%	93.6%	94.4%	93.6%	94.5%	94.2%	95.3%	97.4%	96.5%
A23.A8	A23/ A273		78.2%	80.8%	80.8%	79.6%	72.7%	74.8%	84.6%	80.2%	81.3%	75.4%	78.0%
A23.A9	A23/ A27		69.0%	73.1%	73.1%	72.4%	72.3%	72.1%	74.9%	74.2%	74.6%	74.1%	74.3%

Ref.	Junction	Base Year	2021					2031					
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
A27.A10	A27/A283		86.9%	94.5%	94.5%	93.4%	93.3%	93.3%	97.9%	95.8%	94.7%	94.9%	94.6%
A27.A11	A27/A275		39.1%	42.5%	42.5%	43.9%	43.8%	44.0%	44.8%	44.9%	45.1%	45.6%	45.2%

**Strategic Junctions (Other A Roads)**

Ref.	Junction	Base Year	2021					2031					
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
A264.A12	A264/A2220		105.4%	106.5%	106.5%	104.6%	105.7%	104.4%	106.4%	103.7%	104.0%	104.5%	105.5%
A264.A13	A264/B2028		83.8%	94.6%	94.6%	96.2%	96.1%	95.7%	98.4%	96.8%	100.2%	100.1%	99.7%
A264.A14	A264/B2037		24.8%	28.7%	28.7%	27.2%	27.8%	27.0%	28.2%	25.3%	27.0%	27.0%	27.2%
A264.A15	A264/A22		103.9%	104.5%	104.5%	105.7%	104.1%	103.3%	105.6%	103.6%	106.5%	105.8%	105.9%

Ref.	Junction	Base Year	2021					2031					
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
A22.A16	A22/ A275 Wych Cross		15.8%	18.4%	18.4%	18.8%	18.6%	18.5%	19.1%	19.5%	20.0%	20.1%	19.9%

Ref.	Junction	Base Year	2021					2031					
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
A2300.A26	A2300/ A273		67.7%	63.3%	63.3%	74.8%	31.4%	32.3%	64.1%	61.5%	88.2%	28.6%	30.4%

Ref.	Junction	Base Year	2021					2031					
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
A272.A17	A272/ A281 Cowfold		101.9%	102.9%	102.9%	105.2%	105.1%	103.7%	102.7%	103.1%	105.7%	105.6%	103.8%
A272.A18	A272/ B2036 Aray		91.0%	91.0%	91.0%	100.3%	99.5%	94.5%	85.2%	101.4%	106.2%	101.7%	101.7%
A272.A19	A272/ B2036 South West of Cuckfield		73.4%	78.3%	78.3%	73.7%	73.3%	68.1%	81.9%	75.4%	72.4%	72.1%	72.1%
A272.A20	A272/ B2184 South East of Cuckfield		53.6%	53.9%	53.9%	58.2%	56.1%	52.0%	53.7%	55.9%	59.8%	67.1%	57.0%
A272.A21	A272/ A273		74.0%	84.6%	84.6%	97.7%	99.9%	97.9%	85.4%	90.7%	102.6%	103.9%	102.8%
A272.A22	A272/ B2026 Haywards Heath		88.7%	93.2%	93.2%	101.1%	100.4%	100.3%	97.8%	94.6%	103.2%	101.4%	101.8%
A272.A23	A272/ B2112 Haywards Heath		71.6%	89.0%	89.0%	99.9%	99.8%	99.6%	95.1%	95.7%	95.1%	95.3%	98.8%
A272.A24	A272/ B2111		100.4%	101.6%	101.6%	101.4%	101.4%	101.4%	101.9%	101.4%	100.7%	100.7%	101.3%
A272.A25	A272/ A275 North Challey		43.4%	48.6%	48.6%	47.7%	44.7%	44.1%	50.0%	47.7%	47.9%	46.4%	45.7%
A272.A89	A272/ Haywards Heath Relief Rd		0.0%	48.9%	48.9%	45.5%	46.0%	44.5%	49.8%	47.9%	47.2%	48.4%	45.0%

Ref.	Junction	Base Year	2021					2031					
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
A2383.A27	A2037/ A283		60.6%	67.7%	67.7%	66.3%	66.8%	67.4%	68.4%	68.3%	68.0%	68.5%	68.3%

**Non Strategic Junctions (A Roads)**

Ref.	Junction	Base Year	2021					2031					
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
A281.A28	A281/B2115		89.6%	89.8%	89.8%	94.0%	94.3%	96.4%	89.7%	90.7%	92.9%	93.0%	97.1%
A281.A29	A281/B2110		55.8%	56.7%	56.7%	60.5%	60.1%	54.3%	58.7%	54.4%	61.2%	61.9%	55.3%
A281.A30	A281/B2116 North		53.8%	60.4%	60.4%	61.6%	62.1%	61.5%	62.6%	58.9%	56.7%	65.6%	64.4%
A281.A31	A281/B2116 South		47.5%	55.6%	55.6%	62.4%	62.4%	62.1%	58.6%	59.3%	71.9%	64.5%	62.7%
A281.A32	A281/A2073		19.8%	21.5%	21.5%	20.3%	20.6%	19.3%	22.6%	20.8%	22.4%	23.8%	22.9%
A281.A33	A281/B2117		34.0%	41.9%	41.9%	40.4%	40.7%	40.9%	44.4%	43.1%	46.1%	45.3%	45.7%

Ref.	Junction	Base Year	2021					2031					
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
A273.A34	A273/B2112		77.3%	82.8%	82.8%	82.6%	80.5%	81.4%	86.8%	81.3%	89.5%	89.7%	94.7%
A273.A35	A273/B2116		116.1%	118.5%	118.5%	118.5%	117.8%	117.0%	117.6%	118.0%	117.2%	119.3%	118.1%
A273.A36	A273/B2036 South		58.7%	56.4%	56.4%	63.7%	60.8%	55.9%	58.6%	56.2%	70.3%	74.6%	67.3%
A273.A37	A273/B2036 North		83.1%	88.8%	88.8%	94.3%	27.8%	25.2%	90.5%	84.8%	103.1%	32.0%	35.7%
A273.A87	A273/ Haywards Heath Relief Rd		6.2%	69.2%	69.2%	61.5%	74.0%	74.6%	69.1%	69.0%	62.2%	78.9%	74.7%

Ref.	Junction	Base Year	2021					2031					
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
A275.A38	A275/B2116		130.6%	133.6%	133.6%	131.7%	131.7%	131.6%	138.8%	132.2%	132.4%	132.3%	132.0%
A275.A39	A275/A277		36.2%	40.7%	40.7%	40.0%	40.5%	40.4%	42.1%	43.3%	44.0%	43.4%	43.8%

Ref.	Junction	Base Year	2021					2031					
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
LR84	A2300/ Northern Arc Spine Rd		64.5%	64.6%	64.6%	71.6%	102.6%	105.2%	64.1%	62.5%	82.8%	112.2%	113.6%
LR85	B2036/ Northern Arc Spine Rd		27.3%	34.5%	34.5%	39.2%	70.6%	61.9%	35.2%	32.6%	41.5%	85.2%	86.6%
LR86	A273/ Northern Arc Spine Rd		40.2%	38.1%	38.1%	40.2%	64.2%	59.5%	39.0%	38.5%	48.1%	76.6%	69.8%
LR90	Leylands Rd/ Northern Arc Spine Rd		0.0%	0.0%	0.0%	0.0%	43.6%	37.1%	0.0%	0.0%	0.0%	63.9%	59.4%

**Non Strategic Junctions (B Roads)**

Ref.	Junction	Base Year	2021					2031					
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
B2112.B46	B2112/ B2112												
B2112.B47	B2112/ B2113		54.9%	60.0%	60.0%	61.4%	59.4%	65.7%	60.8%	59.0%	65.6%	61.3%	67.6%
B2112.B48	B2112/ B2116		49.1%	54.7%	54.7%	53.2%	53.6%	52.3%	57.2%	56.3%	58.0%	59.3%	55.2%
B2112.B88	B2112/ Haywards Heath Relief Rd		103.1%	104.6%	104.6%	108.3%	107.2%	107.4%	104.4%	104.6%	114.8%	113.2%	112.7%

Ref.	Junction	Base Year	2021					2031					
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
B2118.B49	B2118/ B2116		68.2%	46.1%	46.1%	48.7%	52.5%	54.4%	44.2%	42.9%	49.4%	57.2%	59.9%

Ref.	Junction	Base Year	2021					2031					
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
B2028.B45	B2028/ B2037		99.0%	100.3%	100.3%	98.6%	101.2%	100.9%	100.6%	101.8%	99.0%	99.6%	99.7%

**B2110**

Ref.	Junction	Base Year	2021			2031							
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
B2110.B40	B2115/ Leechpond Hill		89.8%	89.8%	89.8%	96.7%	96.7%	96.4%	90.1%	91.6%	96.5%	96.9%	96.6%
B2110.B41	B2110/ B2115		40.5%	39.6%	39.6%	47.3%	47.4%	48.1%	42.1%	41.4%	47.1%	47.1%	49.3%
B2110.B42	B2110/ B2036 (High St)		50.5%	56.0%	56.0%	62.1%	61.3%	62.0%	53.5%	55.6%	66.0%	65.9%	65.9%
B2110.B43	B2110/ B2036 (Paddockhurst Rd)		79.8%	85.1%	85.1%	91.8%	89.2%	91.9%	85.4%	86.8%	98.4%	98.2%	98.1%
B2110.B44	B2110/ B2028 (Turners Hill)		118.0%	119.1%	119.1%	121.2%	118.2%	120.5%	120.4%	120.1%	121.7%	120.3%	119.9%

Ref.	Junction	Base Year	2021			2031							
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
B2114.B46	B2114/ B2115		88.8%	94.9%	94.9%	100.0%	100.1%	100.8%	95.2%	94.3%	101.3%	100.9%	101.6%

**Town Centre Links**

Ref.	Junction	Base Year	2021			2031							
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
<b>Burgess Hill</b>													
<b>A273</b>													
BH49	London Rd/ Sussex Way (A273/B2036)		92.0%	82.6%	82.6%	101.2%	32.3%	29.4%	85.9%	82.5%	102.5%	32.4%	31.7%
BH50	Jane Murray Way/ Sussex Way		47.4%	41.5%	41.5%	44.7%	24.6%	24.9%	43.5%	37.3%	52.1%	31.3%	33.7%
BH51	A2300/ Jane Murray Way		67.7%	63.3%	63.3%	74.8%	31.4%	32.3%	64.1%	61.5%	88.2%	28.6%	30.4%
BH52	Jane Murray Way/ Malthouse Lane		37.7%	39.7%	39.7%	42.0%	30.3%	27.5%	39.1%	37.9%	44.4%	28.4%	27.5%
BH53	Jane Murray Way/ York Rd		38.7%	42.6%	42.6%	39.1%	39.3%	39.6%	44.8%	39.6%	39.9%	32.9%	31.5%
BH54	Jane Murray Way/ Charles Avenue		49.6%	53.6%	53.6%	54.0%	44.2%	51.8%	54.7%	50.6%	56.4%	43.7%	47.7%
<b>B2036</b>													
BH55	B2036/ B2113		57.6%	63.5%	63.5%	75.0%	75.1%	41.7%	63.2%	66.1%	81.8%	89.1%	52.1%
BH56	B2036/ Victoria Way		39.2%	40.7%	40.7%	49.2%	40.8%	39.3%	40.9%	51.7%	41.2%	41.2%	41.5%
BH57	B2036/ Royal George Rd/ Lower Church Rd		59.8%	63.7%	63.7%	69.2%	34.3%	33.5%	64.1%	67.5%	68.4%	44.1%	44.7%
BH58	B2036/ West St		59.1%	60.6%	60.6%	72.4%	40.4%	39.0%	60.9%	65.0%	76.3%	50.9%	51.5%
BH59	B2036/ Leylands Rd		59.3%	57.1%	57.1%	74.2%	51.2%	45.7%	57.3%	63.0%	99.9%	58.3%	61.7%
<b>B2113</b>													
BH62	B2112/ B2113		54.3%	60.0%	60.0%	61.3%	58.4%	65.7%	60.8%	59.0%	65.6%	61.3%	67.6%
BH63	B2113/ Kings Way		54.6%	59.8%	59.8%	58.5%	56.7%	64.0%	60.5%	58.6%	60.7%	57.5%	63.8%
BH64	Folders Lane/ Keymer Rd		90.9%	99.1%	99.1%	99.8%	100.8%	94.2%	99.8%	99.7%	99.8%	101.8%	100.2%
BH65	Junction Rd/ Keymer Rd/ Queen Elizabeth Ave		61.6%	62.5%	62.5%	87.2%	87.0%	92.3%	93.6%	85.0%	92.3%	89.0%	88.2%
BH66	Queen Elizabeth Ave/ Mill Rd		47.4%	62.4%	62.4%	62.4%	63.4%	42.8%	62.5%	60.7%	67.5%	66.4%	38.6%
BH67	Queen Elizabeth Ave/ Civic Way		46.6%	60.4%	60.4%	61.5%	62.8%	39.1%	60.6%	58.7%	67.9%	68.6%	36.8%
<b>Junction Road</b>													
BH60	Valebridge Rd/ Janes Lane		44.8%	50.9%	50.9%	51.0%	36.2%	34.3%	52.7%	49.1%	59.5%	37.4%	39.6%
BH61	Valebridge Rd/ Leylands Rd/ Junction Rd		22.8%	59.6%	59.6%	72.3%	36.8%	33.8%	61.8%	64.2%	80.0%	42.6%	42.0%

Ref.	Junction	Base Year	2021			2031							
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
<b>Haywards Heath</b>													
<b>B2028</b>													
BH69	Dolphin Rd/ Muster Green/ The Broadway		102.8%	77.2%	77.2%	86.0%	96.3%	85.1%	80.4%	75.3%	89.7%	102.0%	91.7%
BH72	B2112/ Sydney Rd/ Queens Rd/ B2028		49.5%	37.7%	37.7%	46.9%	43.7%	43.4%	39.4%	37.6%	51.4%	52.6%	49.3%
BH73	B2028/ Summerhill Lane		17.8%	17.1%	17.1%	21.3%	23.6%	23.2%	17.9%	18.2%	27.7%	28.2%	28.2%
BH74	Market Place/ Sydney Rd/ B2028/ Mill Green Rd		43.7%	47.0%	47.0%	41.4%	41.2%	39.6%	47.1%	42.1%	44.8%	46.6%	42.5%
<b>B2112</b>													
BH70	A272/ B2112/ Caxton Way		71.6%	50.2%	50.2%	50.6%	49.8%	50.5%	53.1%	48.7%	53.1%	56.3%	58.6%
BH71	B2112/ Church Rd		10.1%	72.7%	72.7%	10.4%	10.3%	10.1%	14.0%	13.6%	10.9%	10.5%	10.4%
<b>Paddockhall Road</b>													
BH68	A272/ Paddockhall Rd		88.7%	93.2%	93.2%	101.1%	100.4%	100.3%	97.8%	94.6%	103.2%	101.4%	101.8%

Ref.	Junction	Base Year	2021			2031							
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
<b>East Grinstead</b>													
<b>A22</b>													
BH75	A22/ B2210/ B2110		99.8%	100.2%	100.2%	99.3%	98.4%	98.3%	98.6%	98.8%	100.1%	99.9%	99.2%
BH76	A22/ Station Rd		77.8%	87.1%	87.1%	88.0%	84.6%	84.3%	91.4%	85.4%	90.5%	88.0%	87.2%
BH77	A22/ Moat Rd		28.9%	31.4%	31.4%	33.3%	32.2%	32.0%	32.2%	33.6%	34.2%	32.7%	32.6%
BH78	Railway Approach/ London Rd/ Beaching Way		27.2%	29.8%	29.8%	29.3%	29.3%	29.2%	35.8%	35.5%	36.5%	36.2%	36.2%
BH80	College Lane/ Estcotts Drive		19.8%	20.8%	20.8%	21.4%	20.4%	20.4%	20.8%	21.7%	21.9%	20.8%	20.9%
BH81	A22/ B2110 (Beaching Way/ Lewes Rd)		28.8%	32.5%	32.5%	33.0%	32.2%	31.9%	33.4%	33.3%	34.2%	33.8%	33.7%
<b>A264</b>													
BH79	Blackwell Rd/ Hollye Rd/ B2110		42.8%	45.4%	45.4%	48.6%	46.9%	47.0%	46.8%	49.0%	49.7%	48.3%	48.2%
<b>B2110</b>													
BH82	B2110 High St/ Lewes Rd/ College Lane		32.8%	37.3%	37.3%	33.3%	36.3%	36.6%	38.4%	38.5%	39.7%	38.8%	38.6%
BH83	High St/ London Rd/ West St		88.5%	64.7%	64.7%	66.7%	63.9%	63.5%	66.3%	67.1%	68.8%	66.2%	66.2%

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**A.17. Strategic and Non-Strategic Ratio of Junction Flows to Capacity (Worst Performing Links – Over 85%)**

**CO03022422 Mid Sussex Transport Study - Strategic and Non Strategic Ratios of Flow to Capacity (AM Peak)**

**Strategic Junctions (Motorway and Trunk Routes)**

M23													
Ref.	Junction	Base Year	2021			2031							
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
M23.M3	M23/ A23		108.7%	106.2%	106.2%	106.5%	104.1%	105.4%	106.0%	105.3%	104.8%	105.1%	104.0%

A23													
Ref.	Junction	Base Year	2021			2031							
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
A23.A1	A23/B2110		74.8%	85.1%	85.1%	80.3%	80.2%	78.6%	88.1%	82.6%	89.1%	89.2%	86.6%
A23.A3	A23/ A272		72.7%	91.6%	91.6%	94.6%	97.3%	93.2%	91.7%	92.9%	98.8%	98.2%	94.6%
A23.A5	A23/ B2118 North		100.1%	102.5%	102.5%	104.0%	105.0%	106.2%	102.8%	102.0%	109.6%	107.7%	108.3%
A23.A6	A23/ B2118 South		77.8%	84.3%	84.3%	81.0%	82.8%	82.3%	83.9%	83.7%	83.7%	84.5%	84.2%
A23.A7	A23/ A281		86.2%	92.6%	92.6%	93.6%	94.4%	93.6%	94.5%	94.2%	96.3%	97.4%	96.5%

A27													
Ref.	Junction	Base Year	2021			2031							
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
A27.A10	A27/A283		86.9%	94.5%	94.5%	93.4%	93.4%	93.3%	97.9%	95.8%	94.7%	94.9%	94.6%

**Strategic Junctions (Other A Roads)**

A264													
Ref.	Junction	Base Year	2021			2031							
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
A264.A12	A264/A2220		105.4%	106.5%	106.5%	104.6%	105.7%	104.4%	106.4%	103.7%	104.0%	104.5%	105.5%
A264.A13	A264/B2028		83.8%	94.6%	94.6%	96.2%	96.1%	95.7%	98.4%	96.8%	100.2%	100.1%	99.7%
A264.A15	A264/A22		103.9%	104.3%	104.3%	105.7%	104.1%	103.3%	105.0%	103.6%	106.3%	105.8%	105.3%

A2300													
Ref.	Junction	Base Year	2021			2031							
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
A2300.A26	A2300/ A273		67.7%	63.3%	63.3%	74.8%	31.4%	32.3%	64.1%	61.5%	88.2%	28.6%	30.4%

A272													
Ref.	Junction	Base Year	2021			2031							
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
A272.A17	A272/ A281 Cowfold		101.9%	102.9%	102.9%	105.2%	105.1%	103.7%	102.7%	103.1%	105.7%	105.6%	103.8%
A272.A18	A272/ B2036 Ansty		77.8%	91.0%	91.0%	100.3%	99.5%	94.5%	93.5%	88.2%	104.4%	106.2%	101.7%
A272.A21	A272/ A273		74.0%	84.6%	84.6%	97.7%	99.9%	97.9%	85.4%	90.7%	102.6%	103.9%	102.8%
A272.A22	A272/ B2026 Haywards Heath		88.7%	93.2%	93.2%	101.1%	100.4%	100.3%	97.8%	94.6%	103.2%	101.4%	101.8%
A272.A24	A272/ B2111		100.4%	101.6%	101.6%	101.9%	101.4%	101.4%	101.9%	101.0%	101.4%	100.7%	101.3%

A281													
Ref.	Junction	Base Year	2021			2031							
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
A281.A28	A281/B2115		89.6%	89.8%	89.8%	94.0%	94.3%	96.4%	89.7%	90.7%	92.9%	93.0%	97.1%

A273													
Ref.	Junction	Base Year	2021			2031							
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
A273.A34	A273/B2112		77.3%	82.9%	82.9%	82.8%	80.5%	81.4%	86.8%	81.7%	89.5%	89.7%	94.7%
A273.A35	A273/B2116		116.1%	118.5%	118.5%	119.9%	117.8%	117.0%	117.6%	118.0%	117.2%	119.3%	118.1%
A273.A37	A273/B2036 North		83.1%	88.6%	88.6%	94.3%	27.8%	25.2%	90.5%	84.6%	103.1%	32.0%	35.7%

A275													
Ref.	Junction	Base Year	2021			2031							
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
A275.A38	A275/B2116		130.5%	133.5%	133.5%	131.7%	131.7%	131.6%	138.8%	132.2%	132.4%	132.3%	132.0%

Northern Arc Spine Rd													
Ref.	Junction	Base Year	2021			2031							
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
LR84	A2300/ Northern Arc Spine Rd		64.5%	64.6%	64.6%	71.6%	102.6%	105.2%	64.1%	62.5%	82.8%	112.2%	113.6%
LR85	B2036/ Northern Arc Spine Rd		27.9%	34.5%	34.5%	39.2%	70.6%	61.9%	35.2%	32.6%	41.5%	95.2%	96.6%

**Non Strategic Junctions (B Roads)**

B2112													
Ref.	Junction	Base Year	2021			2031							
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
B2112.B88	B2112/ Haywards Heath Relief Rd		103.1%	104.6%	104.6%	108.3%	107.2%	107.4%	104.4%	104.6%	114.8%	113.2%	112.7%

B2118													
Ref.	Junction	Base Year	2021			2031							
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	

B2028													
Ref.	Junction	Base Year	2021			2031							
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
B2028.B45	B2028/ B2037		99.0%	100.3%	100.3%	98.6%	101.2%	100.9%	100.6%	101.8%	99.0%	99.6%	99.7%

B2110													
Ref.	Junction	Base Year	2021			2031							
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
B2110.B40	B2110/ Leechpond Hill		89.8%	89.8%	89.8%	96.7%	96.7%	96.4%	90.1%	91.6%	96.5%	96.9%	96.8%
B2110.B43	B2110/ B2036 (Paddockhurst Rd)		76.0%	85.1%	85.1%	81.1%	82.2%	81.5%	86.4%	80.3%	84.1%	85.2%	84.3%
B2110.B44	B2110/ B2028 (Turners Hill)		118.9%	119.1%	119.1%	121.2%	118.2%	120.5%	120.4%	120.1%	121.7%	120.3%	119.9%

B2114													
Ref.	Junction	Base Year	2021			2031							
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
B2114.B46	B2114/ B2115		88.5%	94.9%	94.9%	100.0%	100.1%	100.8%	95.2%	94.3%	101.3%	100.9%	101.6%

**Town Centre Links**

Burgess Hill													
Ref.	Junction	Base Year	2021			2031							
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	
BH49	London Rd/ Sussex Way (A273/B2036)		92.0%	82.6%	82.6%	101.7%	32.9%	29.4%	85.9%	82.6%	102.5%	32.4%	31.7%

BH51	A2300/ Jane Murray Way	67.7%	63.3%	63.3%	74.8%	31.4%	32.3%	64.1%	61.5%	88.2%	28.6%	30.4%
<b>B2036</b>												
BH55	B2036/ B2113	57.6%	63.5%	63.5%	75.0%	76.1%	41.7%	63.2%	66.1%	81.8%	89.1%	52.1%
BH59	B2036/ Leylands Rd	59.3%	57.1%	57.1%	74.2%	51.2%	45.7%	57.3%	63.0%	99.9%	58.3%	61.7%
<b>B2113</b>												
BH64	Folders Lane/ Keymer Rd	90.9%	99.1%	99.1%	99.8%	100.8%	94.2%	99.8%	99.7%	99.8%	101.8%	100.2%
BH65	Junction Rd/ Keymer Rd/ Queen Elizabeth Ave	61.6%	92.5%	92.5%	87.2%	82.0%	92.9%	93.6%	85.0%	92.3%	89.0%	82.2%
<b>Junction Road</b>												
BH61	Valebridge Rd/ Leylands Rd/ Junction Rd	22.8%	59.6%	59.6%	72.3%	36.8%	33.8%	61.8%	64.2%	90.0%	42.6%	42.0%
<b>Haywards Heath</b>												
<b>2021</b>												
Ref.	Junction	Base Year	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
<b>2031</b>												
<b>B2028</b>												
BH69	Dolphin Rd/ Muster Green/ The Broadway	102.8%	77.2%	77.2%	86.0%	96.3%	85.1%	80.4%	75.3%	89.7%	102.0%	91.7%
<b>B2112</b>												
<b>Paddockhall Road</b>												
BH68	A272/ Paddockhall Rd	88.7%	93.2%	93.2%	101.1%	100.4%	100.3%	97.8%	94.6%	103.2%	101.4%	101.8%
<b>East Grinstead</b>												
<b>2021</b>												
Ref.	Junction	Base Year	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
<b>2031</b>												
<b>A22</b>												
BH75	A22/ B2210/ B2110	99.8%	100.2%	100.2%	99.3%	98.4%	98.3%	98.6%	98.8%	100.1%	98.3%	99.2%
BH76	A22/ Station Rd	77.8%	87.1%	87.1%	88.0%	84.6%	84.3%	91.4%	85.4%	90.5%	88.0%	87.2%
BH78	Railway Approach/ London Rd/ Beeching Way	77.7%	84.0%	84.0%	86.5%	84.3%	84.2%	85.8%	85.9%	88.3%	86.5%	86.2%



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## **A.18. Strategic and Non-Strategic Modelled Junction Delays (Seconds)**

**CO03022422 Mid Sussex Transport Study - Strategic and Non Strategic Modelled Junction Delays (seconds) (AM Peak)**

**Strategic Junctions (Motorway and Trunk Routes)**

Ref.	Junction	Base Year	M23						2031				
			2021			2031			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3						
M23.M1	M23/ A264/ A2011	23.8	30.7	30.7	32.4	32.6	32.3	30.1	33.2	32.6	32.2	32.2	
M23.M2	M23/ B2036	34.4	38.4	38.4	39.5	39.4	38.7	39.3	36.7	44.0	43.7	44.1	
M23.M3	M23/ A23	211.2	167.3	167.3	174.9	131.7	155.7	162.6	153.3	145.7	151.7	131.4	

Ref.	Junction	Base Year	A23						2031				
			2021			2031			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3						
A23.A1	A23/B2110	13.4	9.9	9.9	9.3	9.4	9.0	9.8	9.9	8.7	8.8	8.6	
A23.A2	A23/B2115	4.4	6.6	6.6	6.4	6.4	7.0	6.0	5.4	6.0	6.1	7.2	
A23.A3	A23/ A272	17.9	38.4	38.4	44.8	52.4	41.8	39.3	41.9	59.8	60.1	46.8	
A23.A4	A23/ A2300	15.0	15.4	15.4	22.7	20.4	25.1	15.4	13.8	36.2	13.2	19.9	
A23.A5	A23/ B2118 North	70.8	115.3	115.3	140.8	161.1	182.7	121.9	107.3	246.3	212.3	223.8	
A23.A6	A23/ B2118 South	33.5	41.1	41.1	39.9	41.5	41.2	43.4	42.0	43.7	45.3	44.7	
A23.A7	A23/ A281	12.2	16.0	16.0	15.3	16.3	16.1	17.5	16.6	17.8	19.0	18.5	
A23.A8	A23/ A273	7.7	7.6	7.6	7.7	8.2	8.1	7.5	7.7	7.9	8.1	8.0	
A23.A9	A23/ A27	71.6	88.2	88.2	86.3	86.1	85.7	93.2	91.1	91.6	90.8	91.5	

Ref.	Junction	Base Year	A27						2031				
			2021			2031			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3						
A27.A10	A27/A283	34.0	40.6	40.6	39.6	39.6	39.5	43.7	41.8	40.8	40.9	40.7	
A27.A11	A27/A275	4.2	4.5	4.5	4.5	4.5	4.5	4.6	4.5	4.6	4.6	4.6	

**Strategic Junctions (Other A Roads)**

Ref.	Junction	Base Year	A264						2031				
			2021			2031			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3						
A264.A12	A264/A2220	118.7	138.7	138.7	104.4	124.1	101.1	138.1	87.3	93.3	101.8	120.4	
A264.A12	A264/B2028	9.0	9.6	9.6	9.5	9.8	9.5	9.8	9.4	11.3	9.8	9.8	
A264.A14	A264/B2037	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	
A264.A15	A264/A22	104.7	110.8	110.8	135.1	106.5	92.6	123.7	97.1	146.1	137.2	128.3	

Ref.	Junction	Base Year	A22 (B2028 to East Grinstead)						2031				
			2021			2031			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3						
A22.A16	A22/ A275 Wych Cross	5.1	7.1	7.1	7.5	7.3	7.2	7.8	8.1	8.5	8.6	8.5	

Ref.	Junction	Base Year	A2300						2031				
			2021			2031			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3						
A2300.A26	A2300/ A273	9.1	11.2	11.2	9.8	6.2	6.6	12.7	9.3	16.5	8.9	10.6	

Ref.	Junction	Base Year	A272						2031				
			2021			2031			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3						
A272.A17	A272/ A281 Cowfold	35.4	52.0	52.0	94.1	90.9	66.4	48.1	55.7	103.4	100.4	68.7	
A272.A18	A272/ B2036 Ansty	8.3	13.4	13.4	34.5	29.5	22.3	15.2	11.9	108.4	144.2	59.6	
A272.A19	A272/ B2036 South West of Cuckfield	16.4	18.8	18.8	16.6	14.8	13.8	19.9	17.4	16.4	16.1	16.0	
A272.A20	A272/ B2184 South East of Cuckfield	3.7	3.9	3.9	4.0	3.8	3.8	4.0	3.9	4.0	4.1	3.7	
A272.A21	A272/ A273	7.2	9.7	9.7	20.3	27.6	20.3	10.0	12.2	79.5	104.0	83.5	
A272.A22	A272/ B2026 Haywards Heath	4.3	4.2	4.2	28.1	16.1	13.3	4.2	4.1	66.8	33.9	41.1	
A272.A23	A272/ B2112 Haywards Heath	6.7	4.6	4.6	4.8	4.9	5.1	4.8	4.7	5.2	5.7	5.5	
A272.A24	A272/ B2111	41.3	68.9	68.9	72.4	63.4	63.3	74.9	56.8	64.5	51.9	62.2	
A272.A25	A272/ A275 North Chailay	10.3	13.2	13.2	11.5	11.0	10.7	14.0	12.7	12.8	11.9	11.5	
A272.A29	A272/ Haywards Heath Relief Rd	0.0	7.5	7.5	6.9	6.9	6.7	7.6	7.3	7.1	7.4	6.7	

Ref.	Junction	Base Year	A283						2031				
			2021			2031			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3						
A283.A27	A2037/ A283	21.4	23.1	23.1	23.0	24.3	23.9	23.9	23.5	23.8	24.5	24.4	

**Non Strategic Junctions (A Roads)**

Ref.	Junction	Base Year	A281						2031				
			2021			2031			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3						
A281.A28	A281/B2115	13.1	13.7	13.7	16.3	16.8	20.0	13.7	13.8	15.6	15.7	22.0	
A281.A29	A281/B2110	17.5	18.0	18.0	14.9	15.0	15.7	19.4	16.7	17.2	17.5	17.3	
A281.A30	A281/B2116 North	12.7	16.2	16.2	16.9	17.2	16.8	17.5	15.4	20.0	19.3	18.5	
A281.A31	A281/B2116 South	8.3	10.1	10.1	12.3	12.3	12.3	10.4	9.6	15.4	13.2	12.6	
A281.A32	A281/A2073	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5	
A281.A33	A281/B2117	4.0	4.7	4.7	4.6	4.7	4.8	5.1	4.8	5.2	5.2	5.4	

Ref.	Junction	Base Year	A273						2031				
			2021			2031			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3						
A273.A34	A273/B2112	29.8	34.9	34.9	35.1	33.4	34.6	38.4	33.9	42.2	39.5	43.0	
A273.A35	A273/B2116	317.9	359.3	359.3	368.0	348.0	331.9	343.7	351.0	335.6	374.6	351.7	
A273.A36	A273/B2036 South	8.0	7.7	7.7	7.8	7.5	7.7	8.1	7.6	7.5	7.2	7.7	
A273.A37	A273/B2036 North	7.2	7.6	7.6	20.8	19.5	18.3	7.8	8.1	95.2	17.8	22.5	
A273.A87	A273/ Haywards Heath Relief Rd	3.3	21.6	21.6	16.4	15.4	17.6	21.7	20.4	10.6	13.5	13.2	

Ref.	Junction	Base Year	A275						2031				
			2021			2031			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3						
A275.A38	A275/B2116	763.6	817.6	817.6	786.3	786.1	782.9	912.7	795.1	798.3	795.5	791.0	
A275.A39	A275/A277	5.2	6.8	6.8	6.5	6.7	6.7	7.3	7.7	8.0	7.8	7.9	

Ref.	Junction	Base Year	Northern Arc Spine Rd						2031				
			2021			2031			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3						
LR84	A2300/ Northern Arc Spine Rd	5.2	5.7	5.7	7.9	102.9	149.4	5.6	5.2	11.3	275.1	303.1	
LR85	B2036/ Northern Arc Spine Rd	1.4	2.2	2.2	2.8	14.1	11.5	2.3	1.9	3.2	20.6	24.3	
LR86	A273/ Northern Arc Spine Rd	3.0	2.8	2.8	3.5	16.4	13.5	2.8	3.6	3.3	14.3	11.4	
LR90	Leylands Rd/ Northern Arc Spine Rd	0.0	0.0	0.0	0.0	4.2	4.0	0.0	0.0	0.0	5.0	5.1	

**Non Strategic Junctions (B Roads)**

Ref.	Junction	Base Year	B2112						2031				
			2021			2031			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3						
B2112.B46	B2112/ B2112												
B2112.B47	B2112/ B2113	29.0	34.8	34.8	34.5	48.7	53.3	36.4	35.4	38.8	56.3	54.2	

B2112.B48	B2112/ B2116	20.4	26.1	26.1	27.1	27.0	24.9	26.8	26.7	28.7	29.5	30.3
B212.B88	B2112/ Haywards Heath Relief Rd	103.1	120.5	120.5	187.8	168.7	172.4	115.9	120.1	306.8	283.6	271.7

B2118												
Ref.	Junction	Base Year	2021			2031			2031			Development Case Phase 3
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	
B2118.B49	B2118/ B2116	27.5	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2

B2028												
Ref.	Junction	Base Year	2021			2031			2031			Development Case Phase 3
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	
B2028.B45	B2028/ B2037	10.6	23.0	23.0	11.4	39.0	32.9	29.1	49.3	12.9	15.4	16.0

B2110												
Ref.	Junction	Base Year	2021			2031			2031			Development Case Phase 3
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	
B2110.B40	B2115/ Leechpond Hill	14.8	15.3	15.3	19.2	19.1	18.4	15.4	16.0	19.2	19.5	18.7
B2110.B41	B2110/ B2115	25.1	22.0	22.0	30.6	30.7	31.9	21.2	25.6	30.3	30.3	33.1
B2110.B42	B2110/ B2036 (High St)	55.5	61.7	61.7	68.7	66.5	65.7	63.5	63.7	71.3	67.0	77.0
B2110.B43	B2110/ B2036 (Paddockhurst Rd)	17.2	22.0	22.0	25.7	25.1	25.8	23.1	28.3	28.3	28.5	28.6
B2110.B44	B2110/ B2028 (Turners Hill)	380.2	386.4	386.4	422.7	369.2	410.4	409.2	402.7	434.2	407.7	401.1

B2114												
Ref.	Junction	Base Year	2021			2031			2031			Development Case Phase 3
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	
B2114.B46	B2114/ B2115	21.3	28.7	28.7	29.0	26.1	27.1	29.4	23.5	37.8	33.5	42.7

**Town Centre Links**

Burgess Hill												
Ref.	Junction	Base Year	2021			2031			2031			Development Case Phase 3
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	
<b>A273</b>												
BH49	London Rd/ Sussex Way (A273/B2036)	19.7	12.9	12.9	48.9	30.6	27.7	14.7	10.5	63.2	30.5	31.4
BH50	Jane Murray Way/ Sussex Way	5.2	4.5	4.5	5.0	11.2	11.4	4.7	4.3	6.1	15.0	16.6
BH51	A2300/ Jane Murray Way	9.1	11.2	11.2	9.8	6.2	6.6	12.7	9.3	16.5	8.9	10.6
BH52	Jane Murray Way/ Malthouse Lane	26.1	33.7	33.7	27.9	21.8	22.9	35.4	28.7	30.2	22.8	23.6
BH53	Jane Murray Way/ York Rd	4.4	5.8	5.8	5.8	4.9	5.0	6.1	5.4	6.1	4.6	4.8
BH54	Jane Murray Way/ Charles Avenue	5.6	7.1	7.1	7.2	6.1	8.7	7.3	6.7	7.7	6.1	7.8
<b>B2036</b>												
BH55	B2036/ B2113	4.2	4.1	4.1	5.3	4.6	3.6	4.1	4.3	6.3	7.0	4.3
BH56	B2036/ Victoria Way	3.7	4.1	4.1	4.5	3.8	3.8	4.1	4.1	4.7	4.1	4.0
BH57	B2036/ Royal George Rd/ Lower Church Rd	35.4	35.4	35.4	37.1	36.5	37.2	35.5	36.7	37.1	37.2	37.6
BH58	B2036/ West St	4.1	4.0	4.0	3.9	36.8	36.8	4.0	3.9	3.7	36.7	36.7
BH59	B2036/ Leylands Rd	4.1	4.1	4.1	5.2	24.9	21.9	4.1	4.3	22.8	24.3	26.3
<b>B2113</b>												
BH62	B2112/ B2113	29.0	34.8	34.8	34.5	48.7	53.3	36.4	35.4	38.8	56.3	54.2
BH63	B2113/ Kings Way	19.2	22.6	22.6	21.5	38.2	38.3	23.8	22.7	22.3	38.7	39.0
BH64	Folders Lane/ Keymer Rd	18.4	20.6	20.6	21.4	48.5	47.5	21.4	20.8	23.3	64.8	62.2
BH65	Junction Rd/ Keymer Rd/ Queen Elizabeth Ave	3.9	7.7	7.7	7.0	6.5	6.9	8.3	6.3	10.0	7.2	5.6
BH66	Queen Elizabeth Ave/ Mill Rd	4.1	4.5	4.5	4.5	4.8	4.9	4.6	4.5	4.6	5.0	4.5
BH67	Queen Elizabeth Ave/ Civic Way	3.6	3.9	3.9	3.8	3.9	3.8	3.9	3.8	3.8	4.0	3.6
<b>Junction Road</b>												
BH60	Valebridge Rd/ Janes Lane	3.8	4.2	4.2	4.3	21.3	25.8	4.2	4.1	5.5	22.3	27.4
BH61	Valebridge Rd/ Leylands Rd/ Junction Rd	5.2	7.1	7.1	8.5	21.3	18.8	7.4	7.2	17.5	23.7	22.7

Haywards Heath												
Ref.	Junction	Base Year	2021			2031			2031			Development Case Phase 3
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	
<b>B2028</b>												
BH69	Dolphin Rd/ Muster Green/ The Broadway	82.9	39.8	39.8	39.7	39.8	39.8	39.8	39.7	39.9	64.8	39.9
BH72	B2112/ Sydney Rd/ Queens Rd/ B2028	3.9	3.5	3.5	3.6	3.5	3.5	3.5	3.4	3.6	3.6	3.5
BH73	B2028/ Summerhill Lane	3.9	3.9	3.9	3.9	3.9	3.8	4.0	3.8	4.0	4.0	3.9
BH74	Market Place/ Sydney Rd/ B2028/ Mill Green Rd	3.9	3.9	3.9	3.9	3.8	3.8	3.9	3.8	4.0	4.0	3.9
<b>B2112</b>												
BH70	A272/ B2112/ Caxton Way	6.7	4.6	4.6	4.8	4.9	5.1	4.8	4.7	5.2	5.7	5.5
BH71	B2112/ Church Rd	3.3	3.3	3.3	3.2	3.2	3.2	3.7	3.2	3.2	3.2	3.2
<b>Paddockhall Road</b>												
BH68	A272/ Paddockhall Rd	4.3	4.2	4.2	28.1	16.1	13.3	4.2	4.1	66.8	33.9	41.1

East Grinstead												
Ref.	Junction	Base Year	2021			2031			2031			Development Case Phase 3
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	
<b>A22</b>												
BH75	A22/ B2210/ B2110	4.1	4.7	4.7	4.8	4.6	4.5	5.1	4.6	5.0	4.8	4.7
BH76	A22/ Station Rd	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.2
BH77	A22/ Moat Rd	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
BH78	Railway Approach/ London Rd/ Beeching Way	5.4	6.2	6.2	6.6	6.2	6.2	6.5	6.5	7.0	6.6	6.5
BH80	College Lane/ Estcoats Drive	3.7	3.8	3.8	3.8	3.8	3.7	3.8	3.8	3.8	3.8	3.8
BH81	A22/ B2110 (Beeching Way/ Lewes Rd)	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
<b>A264</b>												
BH79	Blackwell Rd/ Hollye Rd/ B2110	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
<b>B2110</b>												
BH82	B2110 High St/ Lewes Rd/ College Lane	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.7	3.7
BH83	High St/ London Rd/ West St	3.7	3.9	3.9	3.9	3.8	3.8	3.9	4.0	4.0	3.9	3.9





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**A.19. Strategic and Non-Strategic Modelled Difference in Junction Delays (Seconds)**

C03022422 Mid Sussex Transport Study - Strategic and Non Strategic Modelled Difference in Junction Delay (seconds) (AM Peak)

Strategic Junctions (Motorway and Trunk Routes)

Ref.	Junction	Base Year	2021					2031				
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			M23.M1	M23/A264/A2011	-	0.0	6.9	1.8	2.0	1.7	-3.1	9.4
M23.M2	M23/B2036	-	0.0	4.0	1.1	0.9	0.3	2.6	2.2	7.3	7.0	7.5
M23.M3	M23/A23	-	0.0	-43.9	7.6	-55.7	-11.6	0.3	-57.9	-7.6	-1.6	-21.9

Key:	Criteria
Green	Between -59.99 & 59.999
Yellow	Between -60 & -119.9 or 60 & 119.99
Orange	Between -120 & -299.9 or 120 & 299.9
Red	Over -300 or 300

Ref.	Junction	Base Year	2021					2031				
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			A23.A1	A23/B2110	-	0.0	-3.5	-0.6	-0.5	-0.9	-0.1	-3.5
A23.A2	A23/B2115	-	0.0	2.2	-0.2	-0.2	0.4	0.6	1.0	0.7	0.8	1.6
A23.A3	A23/A272	-	0.0	20.4	5.4	14.0	3.4	-2.9	24.0	17.3	16.2	4.9
A23.A4	A23/A2300	-	0.0	0.4	7.3	4.9	9.6	1.6	-1.2	22.4	-0.7	6.1
A23.A5	A23/B2118 North	-	0.0	44.5	25.4	45.7	67.4	14.7	36.5	139.1	105.9	116.6
A23.A6	A23/B2118 South	-	0.0	7.6	-1.2	0.4	0.1	1.5	0.5	1.7	3.3	2.6
A23.A7	A23/A291	-	0.0	3.9	-0.7	0.2	0.1	1.0	4.3	1.2	2.4	2.0
A23.A8	A23/A273	-	0.0	0.0	-0.1	0.6	0.5	-0.2	0.0	0.2	0.4	0.3
A23.A9	A23/A27	-	0.0	16.6	-1.9	-2.1	-2.5	2.1	19.5	0.5	-0.3	0.4

Ref.	Junction	Base Year	2021					2031				
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			A27.A10	A27/A263	-	0.0	0.6	0.0	-3.1	-1.1	1.9	2.9
A27.A11	A27/A275	-	0.0	0.4	1.2	0.0	0.0	0.0	0.3	0.0	0.7	0.0

Strategic Junctions (Other A Roads)

Ref.	Junction	Base Year	2021					2031				
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			A264.A12	A264/A2220	-	0.0	20.1	-34.3	-18.7	-37.7	50.8	-31.4
A264.A12	A264/B2028	-	0.0	0.5	-0.1	0.2	-0.1	0.4	0.4	2.0	0.4	0.5
A264.A14	A264/B2037	-	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
A264.A15	A264/A22	-	0.0	6.1	24.4	-4.2	-18.2	26.5	-7.5	49.0	40.0	31.1

Ref.	Junction	Base Year	2021					2031				
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			A22.A16	A22/A275 Wych Cross	-	0.0	2.0	0.4	0.2	0.1	-0.3	3.1

Ref.	Junction	Base Year	2021					2031				
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			A2300.A26	A2300/A273	-	0.0	2.0	-1.4	-5.0	-4.5	3.4	0.2

Ref.	Junction	Base Year	2021					2031				
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			A272.A17	A272/A281 Cowfold	-	0.0	16.5	42.1	38.9	14.4	-7.6	20.3
A272.A18	A272/B2038 Anstey	-	0.0	5.1	21.1	16.2	8.9	3.3	3.6	97.6	132.3	47.7
A272.A19	A272/B2036 South West of Cuckfield	-	0.0	2.4	-2.3	-4.0	-5.0	2.5	1.0	-1.1	-1.4	-1.5
A272.A20	A272/B2184 South East of Cuckfield	-	0.0	0.2	0.1	-0.1	-0.1	0.1	0.2	0.1	0.2	-0.2
A272.A21	A272/A273	-	0.0	2.5	10.7	18.0	19.6	-2.2	5.0	67.4	91.5	71.3
A272.A22	A272/B2028 Haywards Heath	-	0.0	-0.1	23.9	11.9	9.2	0.2	0.2	62.7	29.9	37.0
A272.A23	A272/B2112 Haywards Heath	-	0.0	-2.1	0.3	0.3	0.5	0.1	-2.0	0.5	1.0	0.9
A272.A24	A272/B2111	-	0.0	27.5	3.5	-5.5	-5.6	19.2	15.4	7.8	-4.9	5.4
A272.A25	A272/A275 North Challey	-	0.0	2.9	-1.7	-2.3	-2.6	1.4	2.4	0.1	-0.8	-1.2
A272.A89	A272/Haywards Heath Relief Rd	-	0.0	7.5	-0.6	-0.8	-0.8	0.4	7.3	-0.1	0.1	-0.6

Ref.	Junction	Base Year	2021					2031				
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			A2383.A27	A2037/A283	-	0.0	1.7	-0.1	1.2	6.7	0.4	2.0

Non Strategic Junctions (A Roads)

Ref.	Junction	Base Year	2021					2031				
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			A281.A28	A281/B2115	-	0.0	0.6	2.6	3.1	6.4	-0.1	0.8
A281.A29	A281/B2110	-	0.0	0.9	-3.1	-2.1	-2.3	2.7	0.7	0.4	0.5	0.6
A281.A30	A281/B2116 North	-	0.0	3.5	0.7	1.0	0.6	2.1	2.7	4.6	3.9	3.1
A281.A31	A281/B2116 South	-	0.0	1.8	2.2	2.2	2.2	0.8	1.3	5.8	3.6	3.0
A281.A32	A281/A2073	-	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1
A281.A33	A281/B2117	-	0.0	0.7	-0.1	0.0	0.0	0.3	0.8	0.4	0.4	0.6

Ref.	Junction	Base Year	2021					2031				
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			A273.A34	A273/B2112	-	0.0	5.0	0.2	-1.5	-0.3	4.5	4.1
A273.A35	A273/B2116	-	0.0	41.5	8.7	-11.3	-27.4	-7.3	33.2	-15.4	23.6	0.7
A273.A36	A273/B2036 South	-	0.0	-0.3	0.1	-0.2	0.0	0.5	-0.4	-0.1	-0.4	0.1
A273.A37	A273/B2036 North	-	0.0	0.4	13.2	11.9	10.7	-0.3	0.0	97.9	5.7	14.1
A273.A87	A273/Haywards Heath Relief Rd	-	0.0	18.2	-5.3	-6.2	-4.0	1.3	17.0	-9.7	-6.8	-7.2

Ref.	Junction	Base Year	2021					2031				
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			A275.A38	A275/B2116	-	0.0	54.0	-31.4	-31.5	-34.7	117.4	31.5
A275.A39	A275/A277	-	0.0	1.5	-0.3	-0.1	-0.1	-0.5	2.5	0.3	0.0	0.2

Ref.	Junction	Base Year	2021					2031				
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			LR84	A2300/ Northern Arc Spine Rd	-	0.0	0.5	2.1	97.2	143.8	0.4	0.0
LR85	B2036/ Northern Arc Spine Rd	-	0.0	0.8	0.7	11.9	9.3	0.3	0.5	1.3	18.7	22.3
LR86	A273/ Northern Arc Spine Rd	-	0.0	-0.2	0.7	13.6	10.7	-0.8	0.6	-0.3	10.7	7.8
LR90	Leylands Rd/ Northern Arc Spine Rd	-	0.0	0.0	0.0	4.2	4.0	0.0	0.0	0.0	5.0	5.1

Non Strategic Junctions (B Roads)

Ref.	Junction	Base Year	2021					2031				
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			B2112.B46	B2112/B2112	-	0.0	5.8	-0.4	13.9	18.5	1.0	6.4
B2112.B47	B2112/B2113	-	0.0	5.8	1.0	0.0	-1.3	0.1	6.3	2.0	2.8	3.5
B2112.B88	B2112/Haywards Heath Relief Rd	-	0.0	17.4	67.3	48.2	51.9	-4.2	17.0	166.7	163.5	151.6

Ref.	Junction	Base Year	2021					2031				
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			B2118.B49	B2118/B2116	-	0.0	0.8	0.0	0.0	0.0	0.0	0.8

Ref.	Junction	Base Year	2021					2031				
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			B2028.B45	B2028/B2037	-	0.0	12.4	-11.5	16.0	9.9	-20.1	38.7

Ref.	Junction	Base Year	2021					2031				
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			B2110.B40	B2110/ Leachpond Hill	-	0.0	0.5	1.8	3.9	3.1	-0.6	1.2
B2110.B41	B2110/B2115	-	0.0	-3.0	3.5	8.3	9.9	-4.4	0.5	4.7	4.7	7.5
B2110.B42	B2110/B2036 (High St)	-	0.0	6.2	7.0	4.8	4.0	-0.1	8.1	7.7	3.3	13.3
B2110.B43	B2110/B2036 (Paddockhurst Rd)	-	0.0	4.8	3.7	3.1	3.8	-5.2	11.1	0.0	0.2	0.3
B2110.B44	B2110/B2028 (Turners Hill)	-	0.0	0.2	3.4	-17.1	24.0	0.5	22.5	31.6	5.1	-1.6

Ref.	Junction	Base Year	2021					2031				
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
			B2114.B46	B2114/B2115	-	0.0	7.4	0.3	-2.6	-1.6	5.9	2.2

Town Centre Links

Burgess Hill												
Ref.	Junction	Base Year	2021					2031				
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
<b>A273</b>												
BH49	London Rd/ Sussex Way (A273/B2036)	-	0.0	-5.7	35.9	17.7	14.8	4.2	-9.2	52.6	20.0	20.9
BH50	Jane Murray Way/ Sussex Way	-	0.0	-9.2	0.5	3.7	5.9	0.5	-0.9	1.9	10.2	12.3
BH51	A2300 Jane Murray Way	-	0.0	2.0	-1.4	-5.6	-4.5	3.4	0.2	7.2	-0.4	1.3
BH52	Jane Murray Way/ Malthouse Lane	-	0.0	7.6	-5.8	-11.9	-10.8	6.7	2.6	1.5	-6.0	-5.1
BH53	Jane Murray Way/ York Rd	-	0.0	1.4	20.1	-12.0	-8.9	0.7	1.0	0.7	-2.6	-2.6
BH54	Jane Murray Way/ Charles Avenue	-	0.0	1.4	0.1	-1.0	1.7	0.6	1.0	1.1	-0.5	1.1
<b>B2036</b>												
BH55	B2036/ B2113	-	0.0	-0.1	1.1	0.1	-0.5	-0.2	0.1	2.1	2.7	0.0
BH56	B2036/ Victoria Way	-	0.0	0.3	0.4	-0.3	-0.3	0.0	0.3	0.7	0.1	0.0
BH57	B2036/ Royal George Rd/ Lower Church Rd	-	0.0	0.1	1.6	1.3	1.8	-1.2	1.3	0.5	0.5	1.0
BH58	B2036/ West St	-	0.0	-0.1	-0.1	32.8	32.8	0.1	-0.2	-0.3	32.7	32.7
BH59	B2036/ Leylands Rd	-	0.0	0.0	1.1	20.6	17.8	-0.3	0.3	18.5	19.2	22.0
<b>B2113</b>												
BH62	B2112/ B2113	-	0.0	5.8	-0.4	13.9	18.5	1.0	6.4	3.5	20.9	18.8
BH63	B2113/ Kings Way	-	0.0	3.5	-1.1	15.5	18.7	1.1	3.5	-0.4	16.0	16.3
BH64	Folders Lane/ Keymer Rd	-	0.0	2.2	0.8	27.9	27.0	0.6	2.4	2.5	44.0	41.4
BH65	Junction Rd/ Keymer Rd/ Queen Elizabeth Ave	-	0.0	3.8	-0.7	-1.2	-0.8	2.0	2.4	3.7	0.9	-0.7
BH66	Queen Elizabeth Ave/ Mill Rd	-	0.0	0.4	-0.1	0.2	0.4	0.1	0.4	0.2	0.5	0.0
BH67	Queen Elizabeth Ave/ Civic Way	-	0.0	0.4	-0.1	0.0	-0.1	0.1	0.1	0.1	0.3	-0.5
<b>Junction Road</b>												
BH60	Valebridge Rd/ James Lane	-	0.0	0.3	0.1	17.1	21.6	0.1	0.2	1.4	18.3	23.4
BH61	Valebridge Rd/ Leylands Rd/ Junction Rd	-	0.0	1.9	1.5	14.3	11.8	0.2	2.0	10.3	16.2	15.5
Haywards Heath												
Ref.	Junction	Base Year	2021					2031				
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
<b>B2028</b>												
BH69	Dolphin Rd/ Muster Green/ The Broadway	-	0.0	-43.2	0.0	0.0	0.0	0.1	-43.2	0.1	25.0	0.2
BH72	B2112/ Sydney Rd/ Queens Rd/ B2028	-	0.0	-0.4	0.1	0.0	0.0	0.1	-0.5	0.2	0.2	0.1
BH73	B2028/ Summerhill Lane	-	0.0	0.0	0.0	0.0	-0.1	0.2	0.1	0.2	0.3	0.1
BH74	Market Place/ Sydney Rd/ B2028/ Mill Green Rd	-	0.0	0.0	0.0	-0.1	-0.1	0.1	-0.1	0.2	0.2	0.1
<b>B2112</b>												
BH70	A272/ B2112/ Causton Way	-	0.0	-2.1	0.2	0.2	0.5	0.1	-2.0	0.5	1.0	0.0
BH71	B2112/ Church Rd	-	0.0	0.0	0.0	0.0	0.0	0.4	-0.1	0.0	0.0	0.0
<b>Paddockhall Road</b>												
BH68	A272/ Paddockhall Rd	-	0.0	-0.1	23.9	11.9	9.2	0.2	-0.2	62.7	29.6	37.0
East Grinstead												
Ref.	Junction	Base Year	2021					2031				
			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
<b>A22</b>												
BH75	A22/ B2210/ B2110	-	0.0	0.6	0.1	-0.1	-0.2	0.5	0.5	0.4	0.2	0.1
BH76	A22/ Station Rd	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BH77	A22/ Mead Rd	-	0.0	0.1	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.0
BH78	Railway Approach/ London Rd/ Beeching Way	-	0.0	0.5	0.4	0.0	0.0	0.0	1.1	0.5	0.1	0.1
BH80	College Lane/ Estcoats Drive	-	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
BH81	A22/ B2110 (Beeching Way/ Lewes Rd)	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>A264</b>												
BH79	Blackwell Rd/ Holye Rd/ B2110	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>B2110</b>												
BH82	B2110 High St/ Lewes Rd/ Collose Lane	-	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
BH83	High St/ London Rd/ West St	-	0.0	0.2	0.1	0.0	0.0	0.0	0.3	0.0	-0.1	-0.1



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## **A.20. PCU to Vehicle Factors**

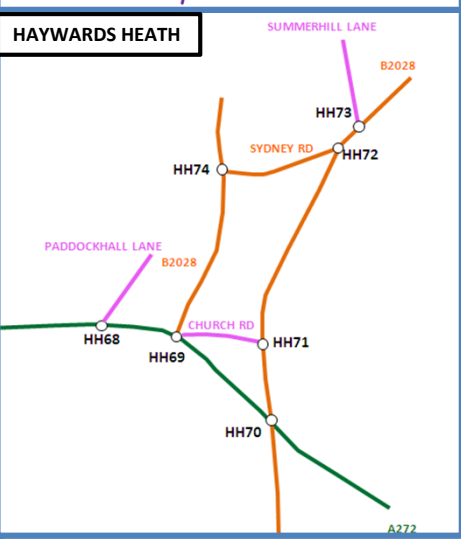
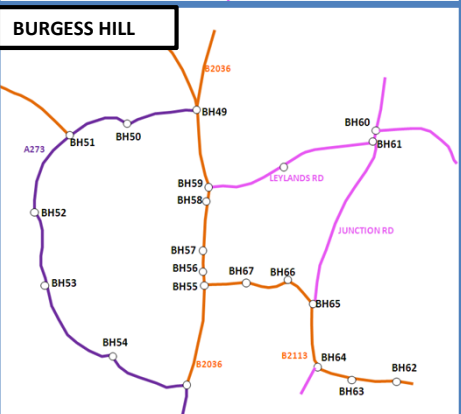
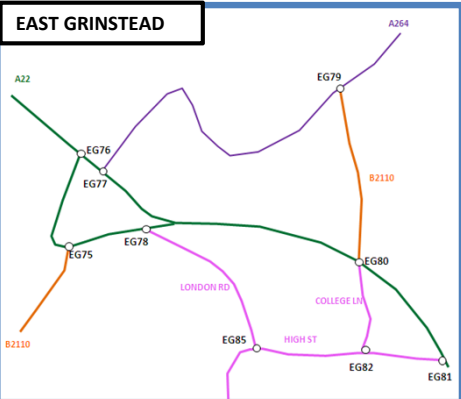
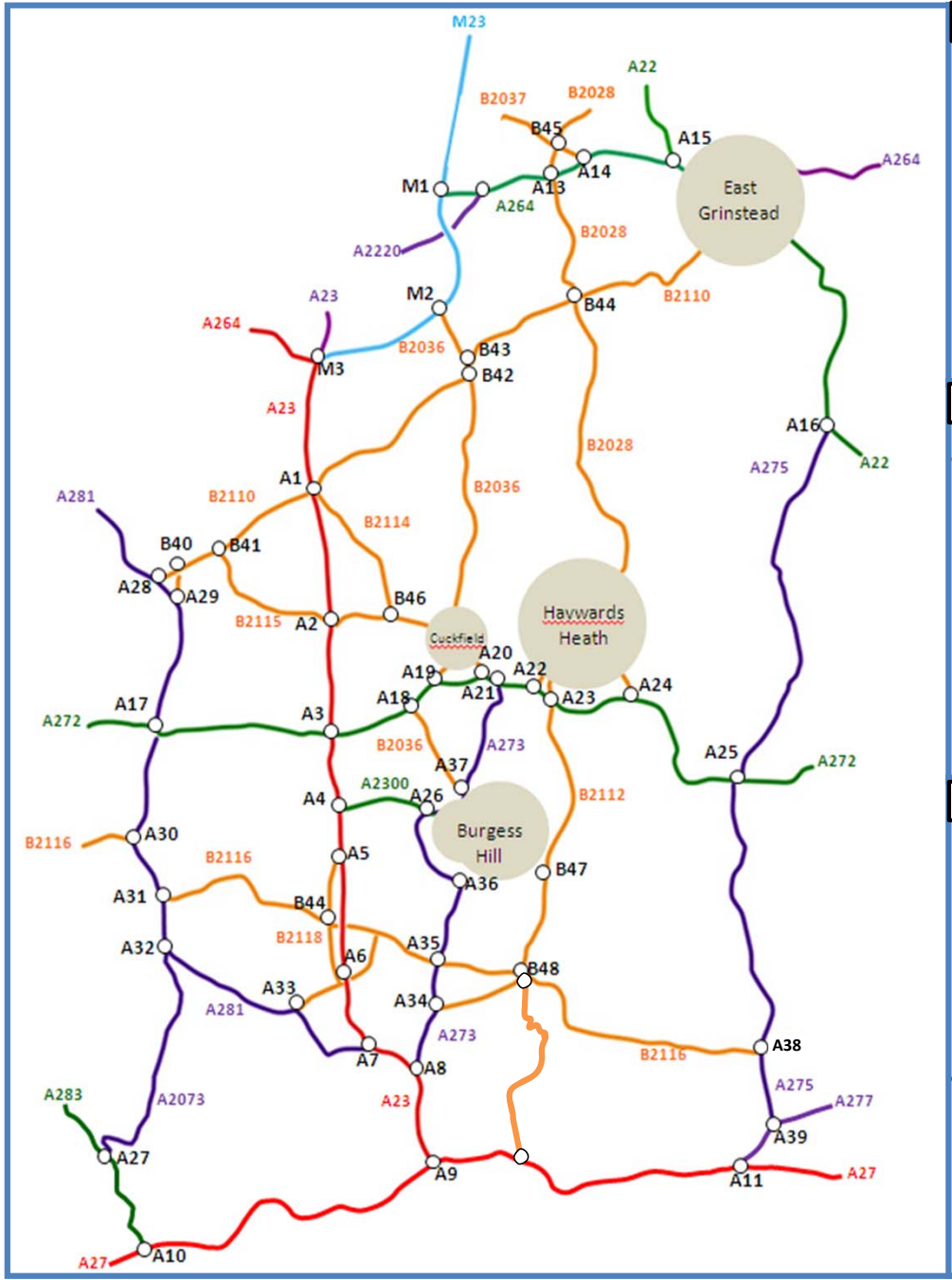
**CO03022422 Mid Sussex Transport Study - PCU to Vehicle Factors (AM Peak)**

Scenario	Year	Car	HGV	PCU	Vehicles	PCU to Vehicle Factor	%HGV	Overall Network Growth
Base Year	2008	142462	4828	147290	144876	0.983611	1.67	-
Baseline	2021	156058	5378	161437	158747	0.983343	1.69	9.6%
	2031	159519	5687	165206	162363	0.982788	1.75	12.2%
Reference Case	2021	156533	5378	161912	159222	0.983391	1.69	9.9%
	2031	159360	5687	165047	162204	0.982771	1.75	12.1%
Development Case Phase 1	2021	158146	5378	163524	160835	0.983555	1.67	11.0%
	2031	162516	5687	168203	165359	0.983094	1.72	14.2%
Development Case Phase 2	2021	157581	5378	162960	160270	0.983498	1.68	10.6%
	2031	161857	5687	167545	164701	0.983028	1.73	13.8%
Development Case Phase 3	2021	157401	5378	162779	160090	0.98348	1.68	10.5%
	2031	161678	5687	167365	164522	0.98301	1.73	13.6%



---

## **A.21. Node Number Plan**





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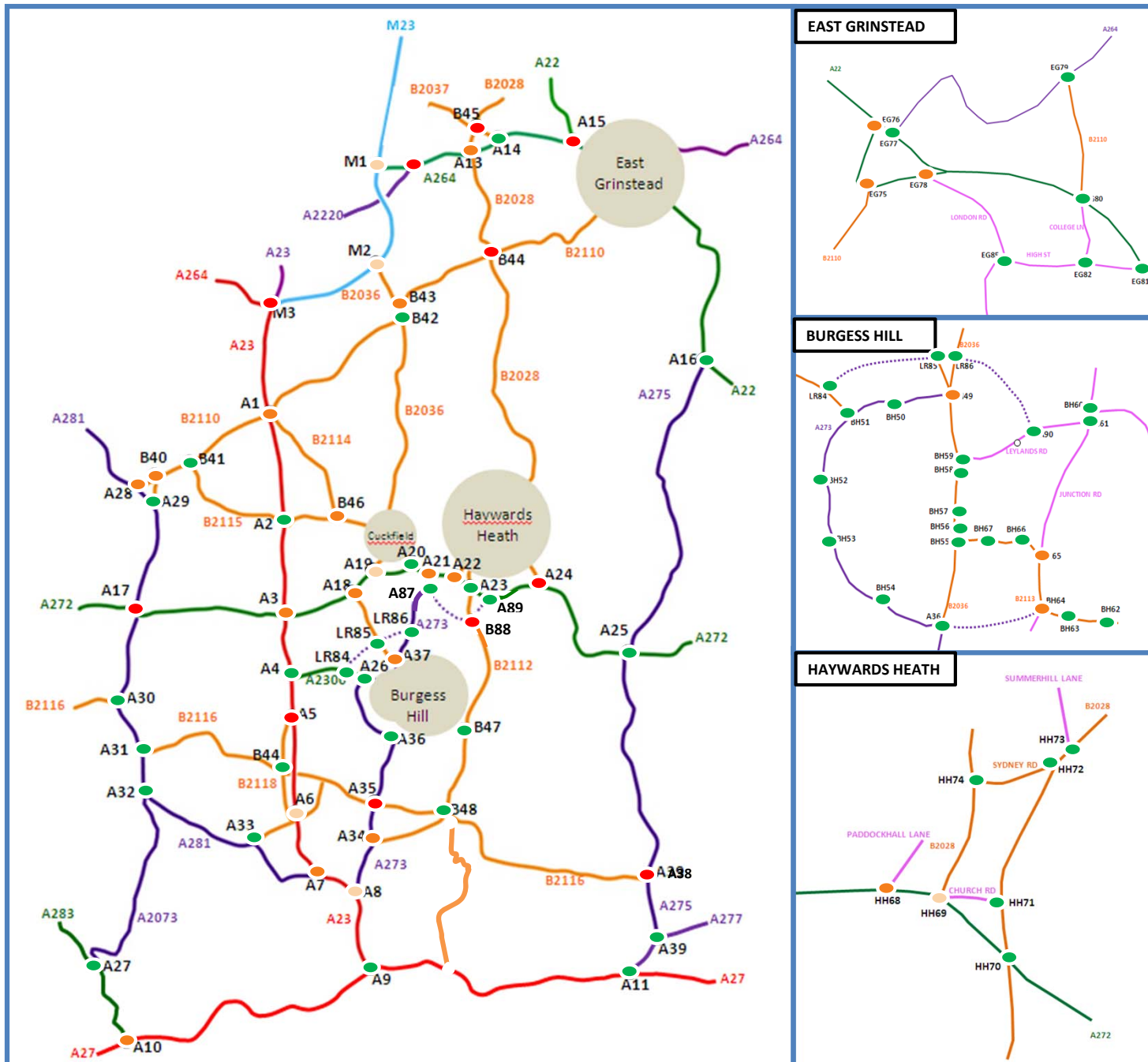
## **A.22. Link Number Plan**







### **A.23. Forecast Junction RFC in Reference Case at AM Peak 2031**



**Key**

- 100% +
- 85 - 100%
- 75 - 85%
- <75%



Client: MID SUSSEX DISTRICT COUNCIL

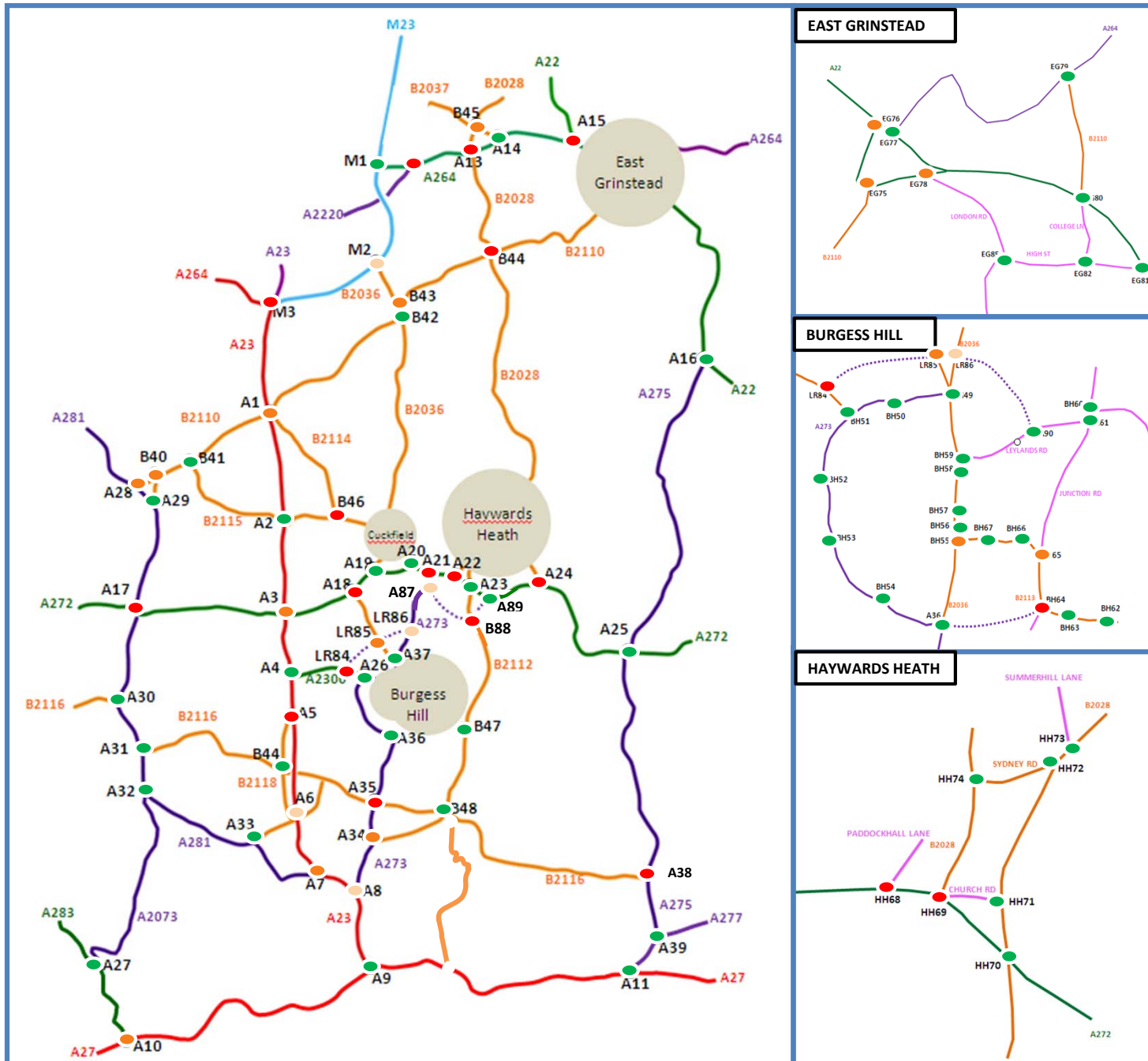
Project Name: CO03022422 - Mid Sussex Transport Study

Drawing Title: Mid Sussex Junction Capacity Figure – 2031 Reference Case



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## **A.24. Forecast Junction RFC in Development Case 2 at AM Peak 2031**



**Key**

- 100% +
- 85 - 100%
- 75 - 85%
- <75%



Client: MID SUSSEX DISTRICT COUNCIL

Project Name: CO03022422 - Mid Sussex Transport Study

Drawing Title: Mid Sussex Junction Capacity Figure – 2031 Development Case Phase 2



# Appendix B

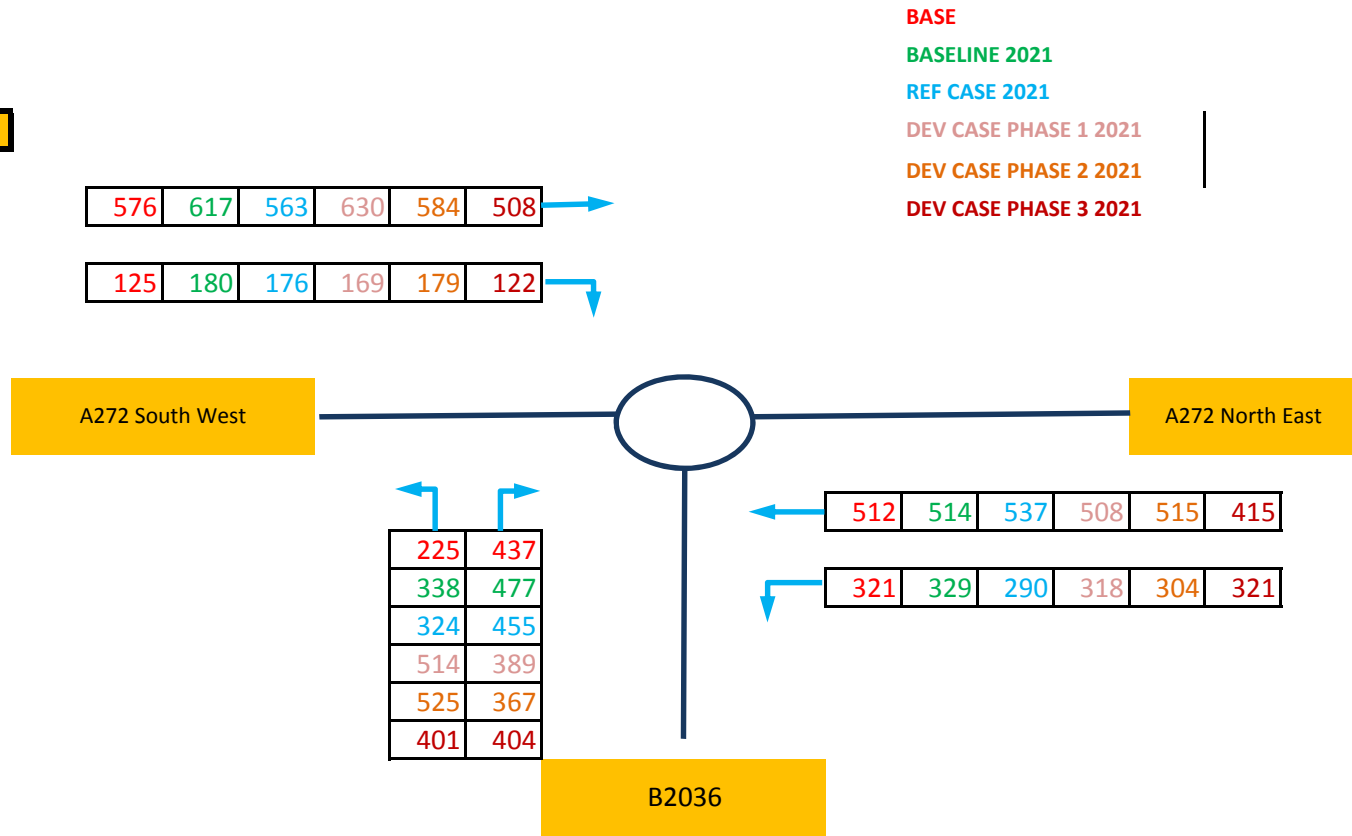
## Modelled Turning Flows



## **B.1. A272/ B2036 (Ansty) Turning Flows (PCU)**

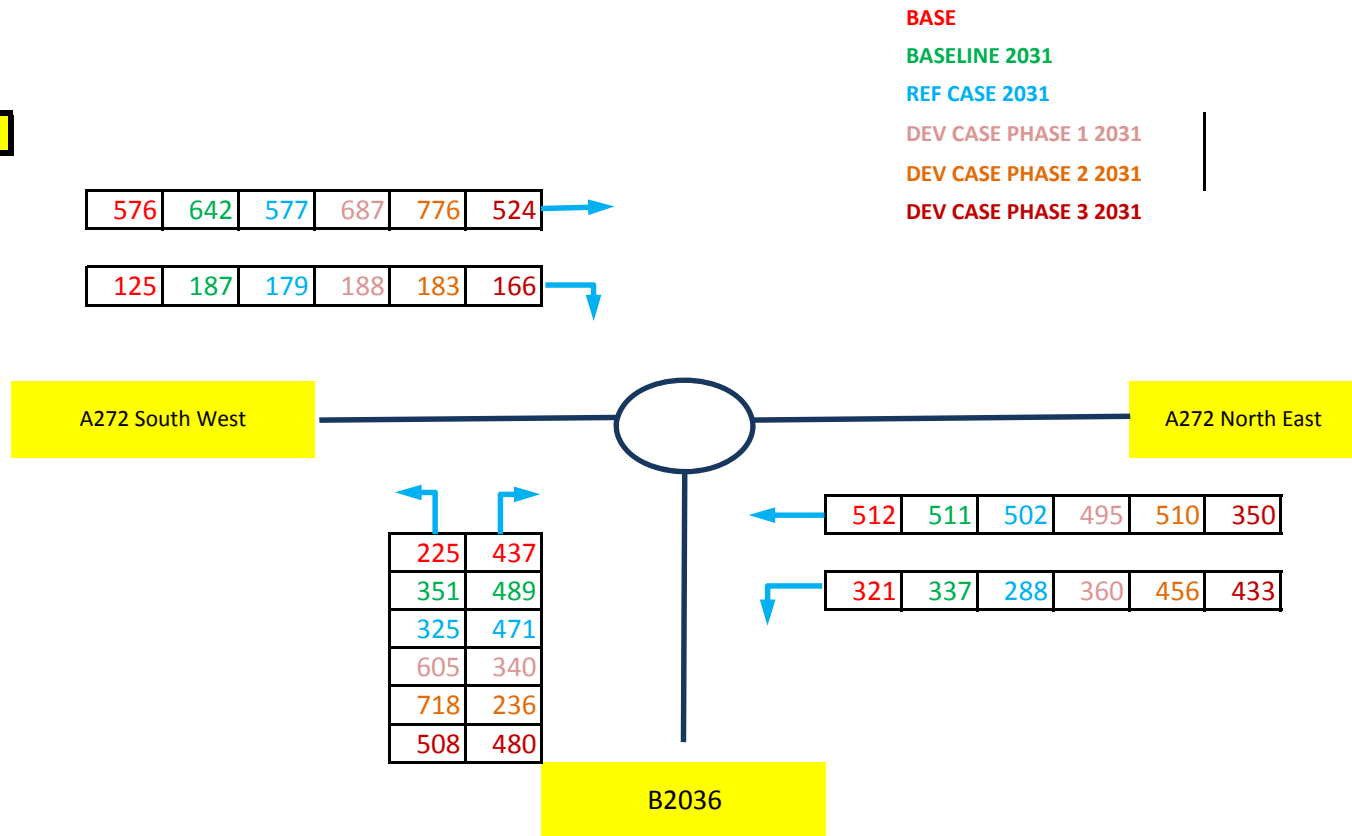
**CO03022422 Mid Sussex Transport Study - 2021 Turning Flows at Key Junctions (AM Peak)**

**2021**



**CO03022422 Mid Sussex Transport Study - 2031 Turning Flows at Key Junctions (AM Peak)**

**2031**



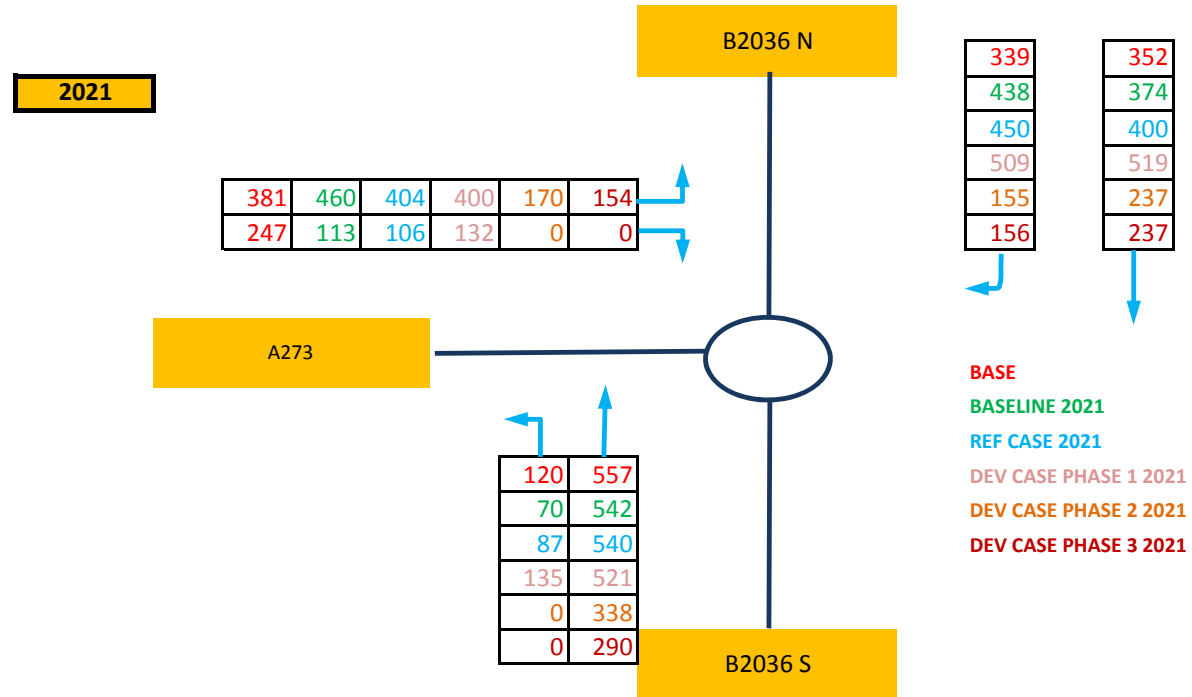




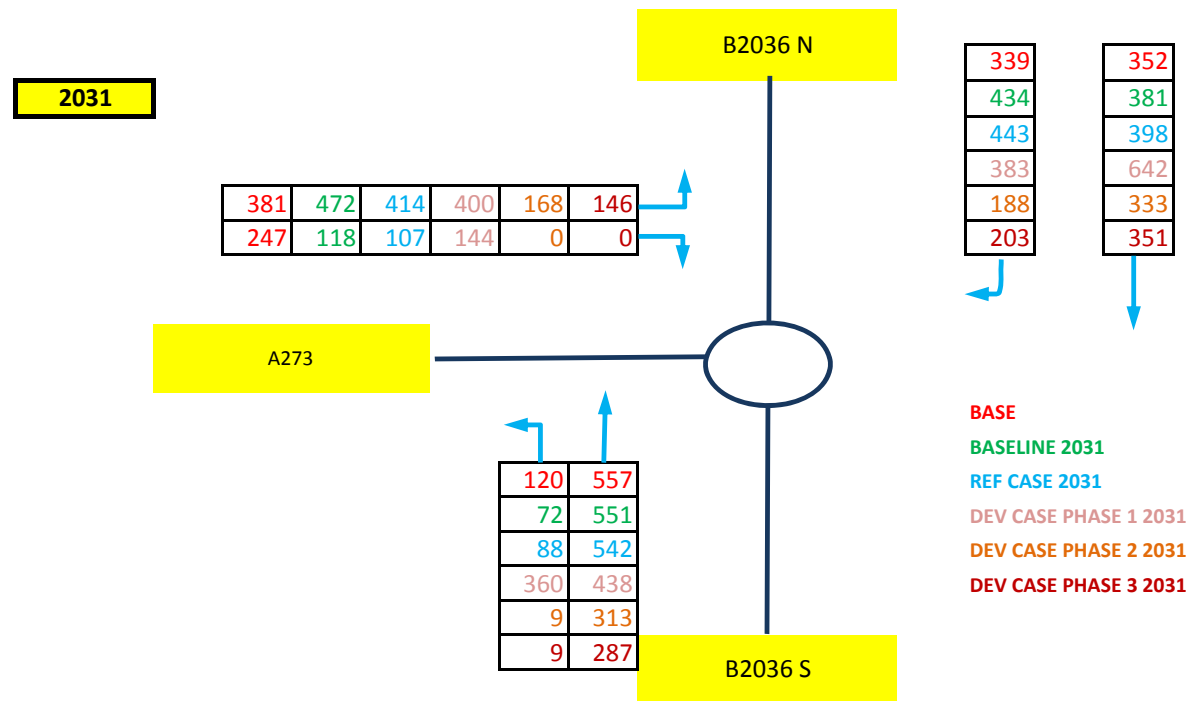
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## **B.2. Sussex Way/ London Road Turning Flows (PCU)**

CO03022422 Mid Sussex Transport Study - 2021 Turning Flows at Key Junctions (AM Peak)



CO03022422 Mid Sussex Transport Study - 2031 Turning Flows at Key Junctions (AM Peak) Sussex Way

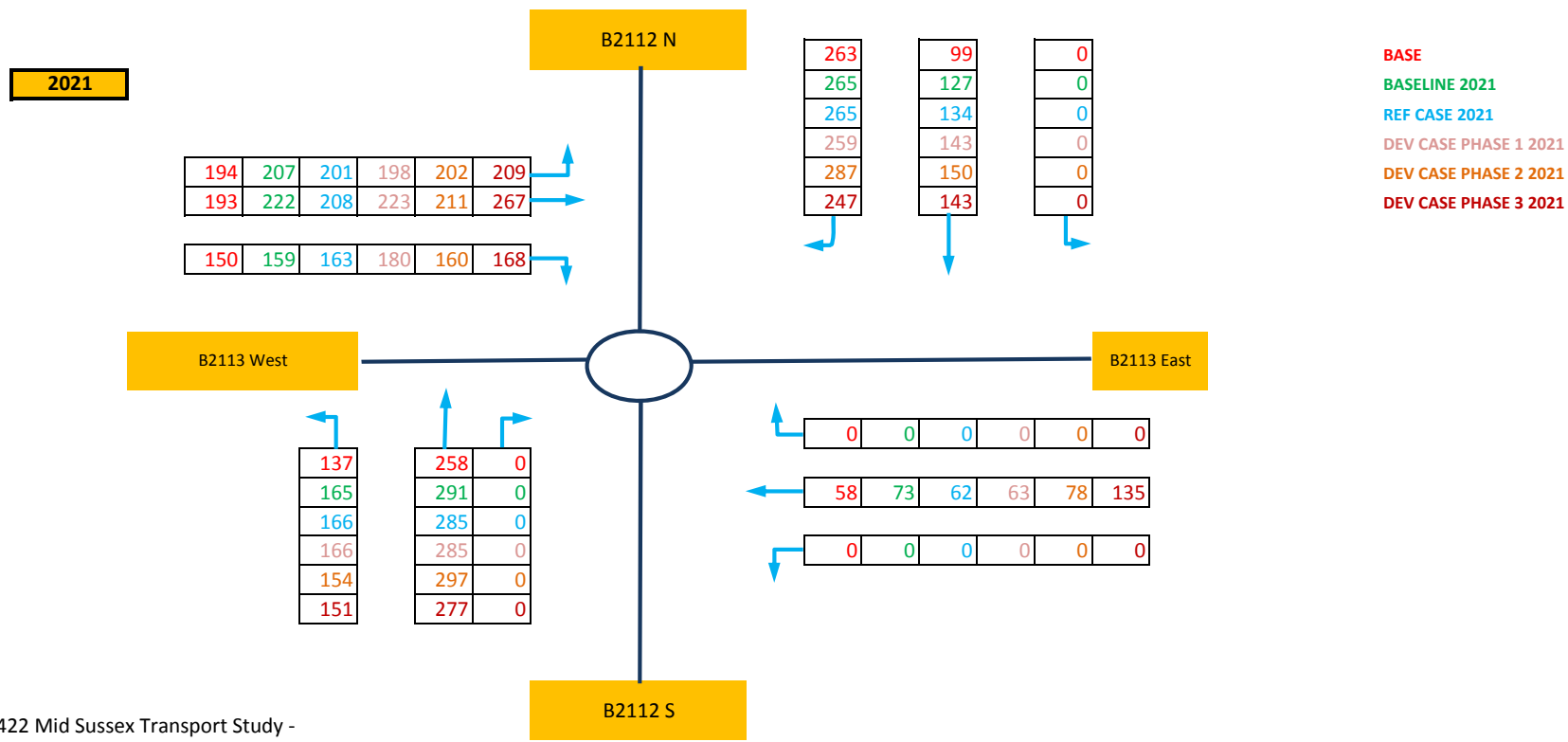




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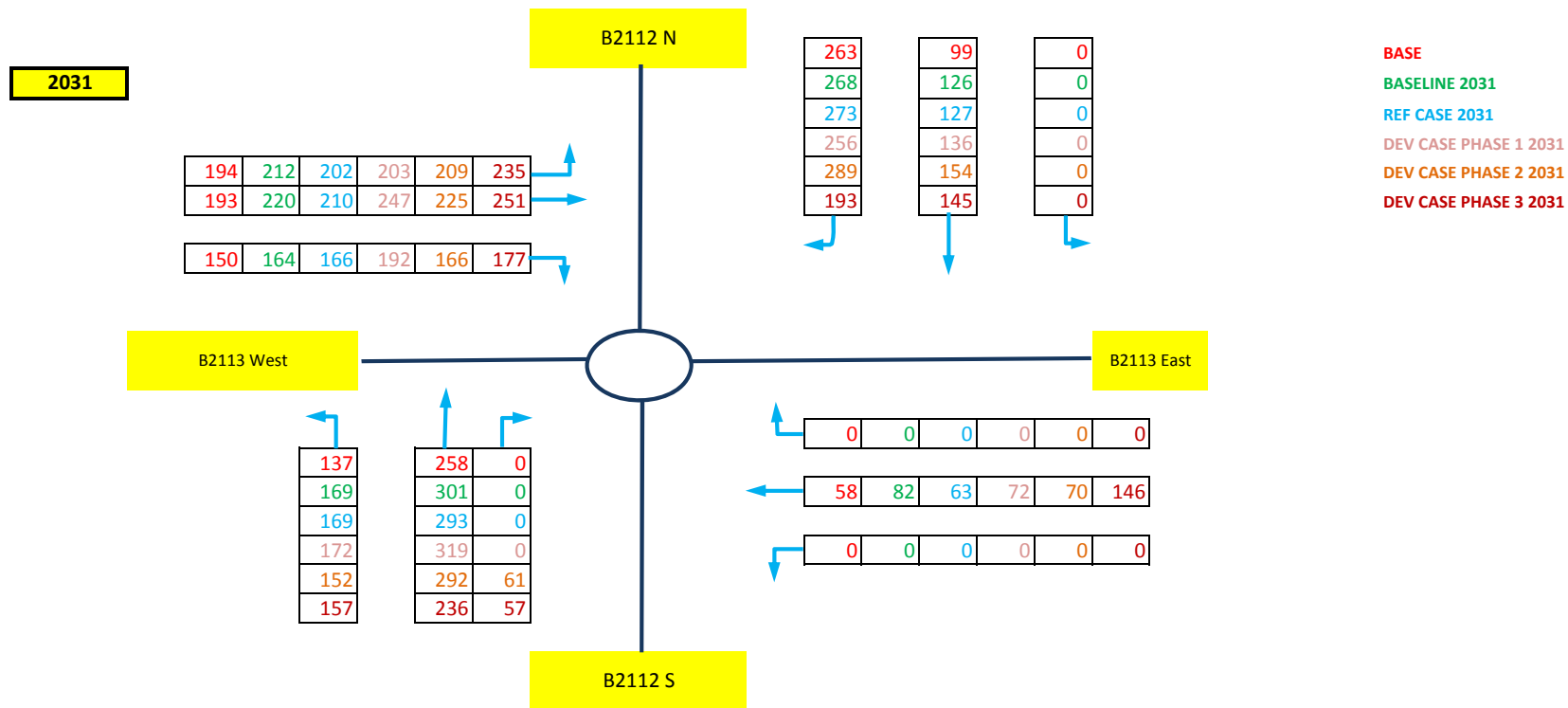
### **B.3. Folders Lane/ B2112 Turning Flows (PCU)**

CO03022422 Mid Sussex Transport Study - 2021 Turning Flows at Key Junctions (AM Peak)



CO03022422 Mid Sussex Transport Study -

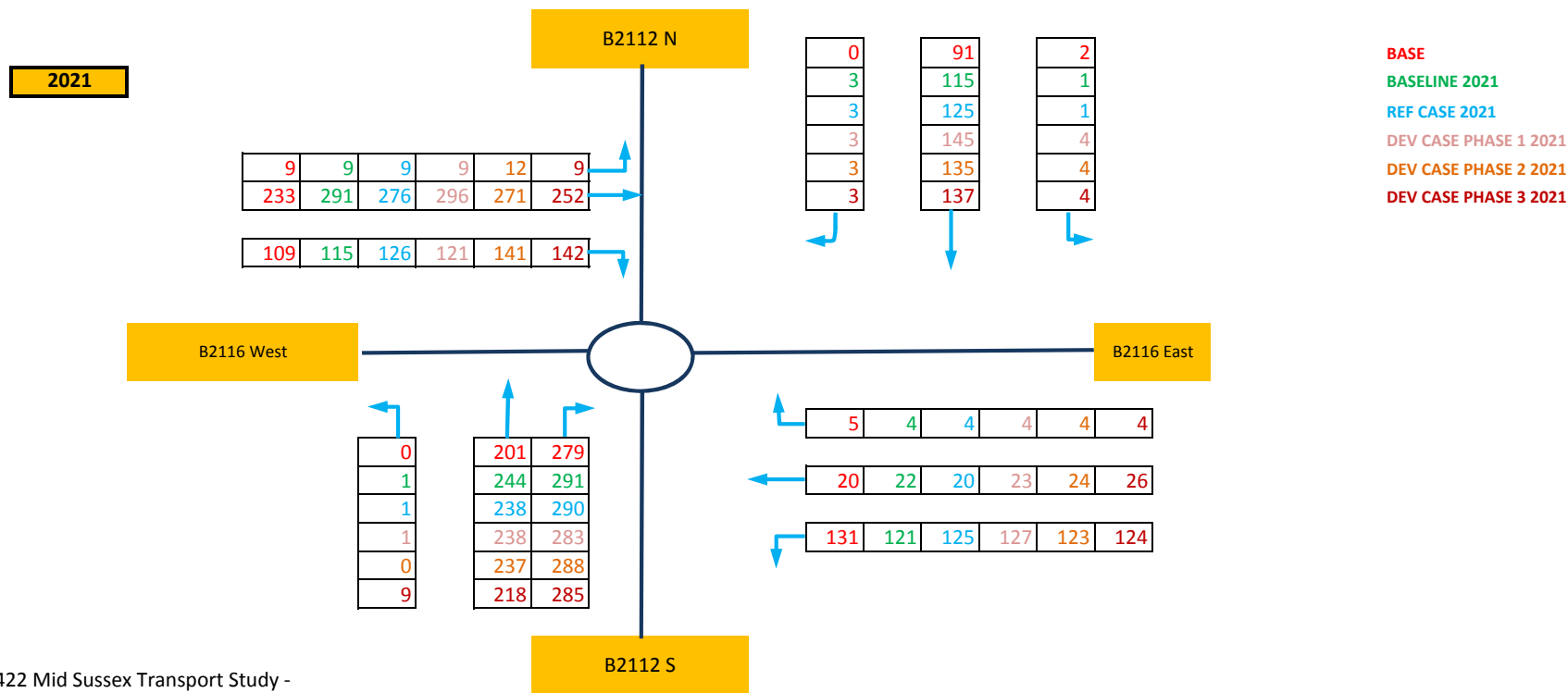
CO03022422 Mid Sussex Transport Study - 2031 Turning Flows at Key Junctions (AM Peak)





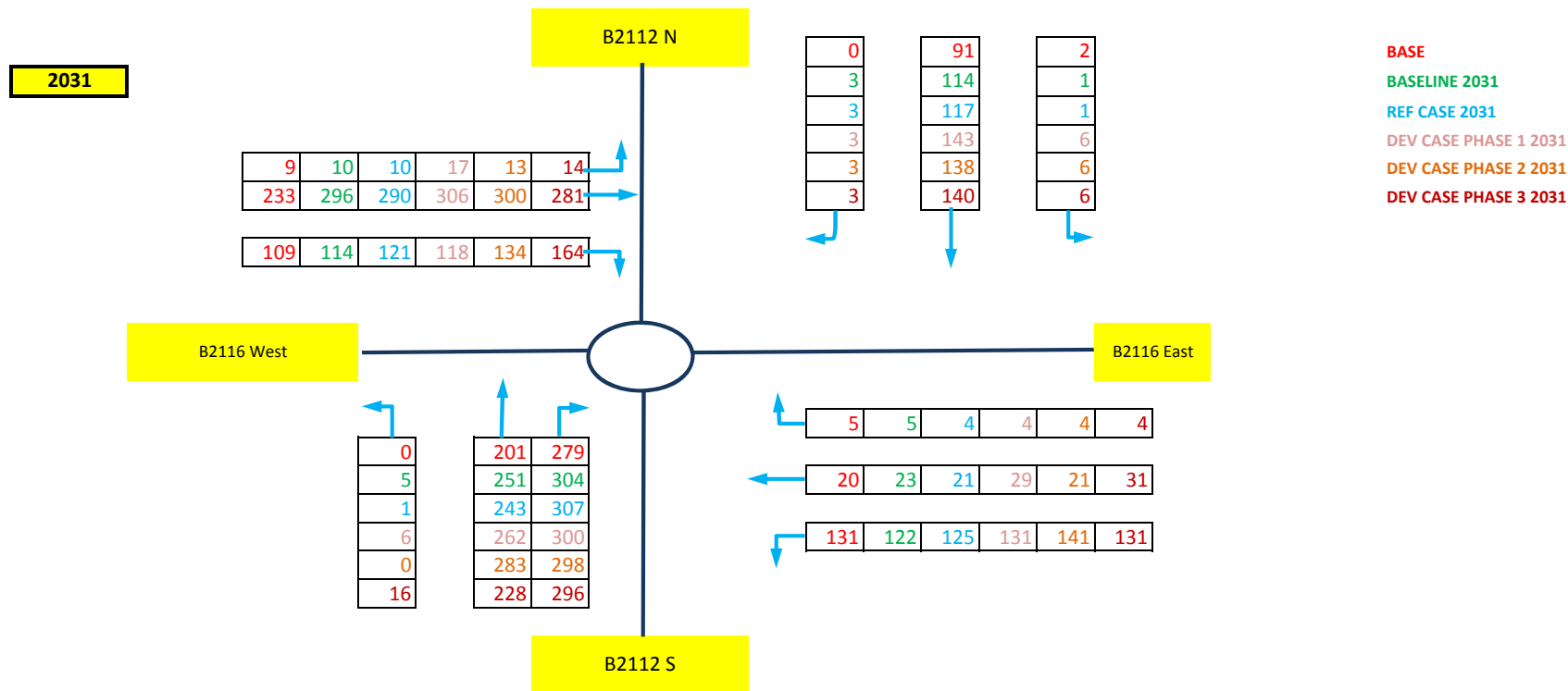
## **B.4. B2112/ B2116 Turning Flows (PCU)**

CO03022422 Mid Sussex Transport Study - 2021 Turning Flows at Key Junctions (AM Peak)



CO03022422 Mid Sussex Transport Study -

CO03022422 Mid Sussex Transport Study - 2031 Turning Flows at Key Junctions (AM Peak)

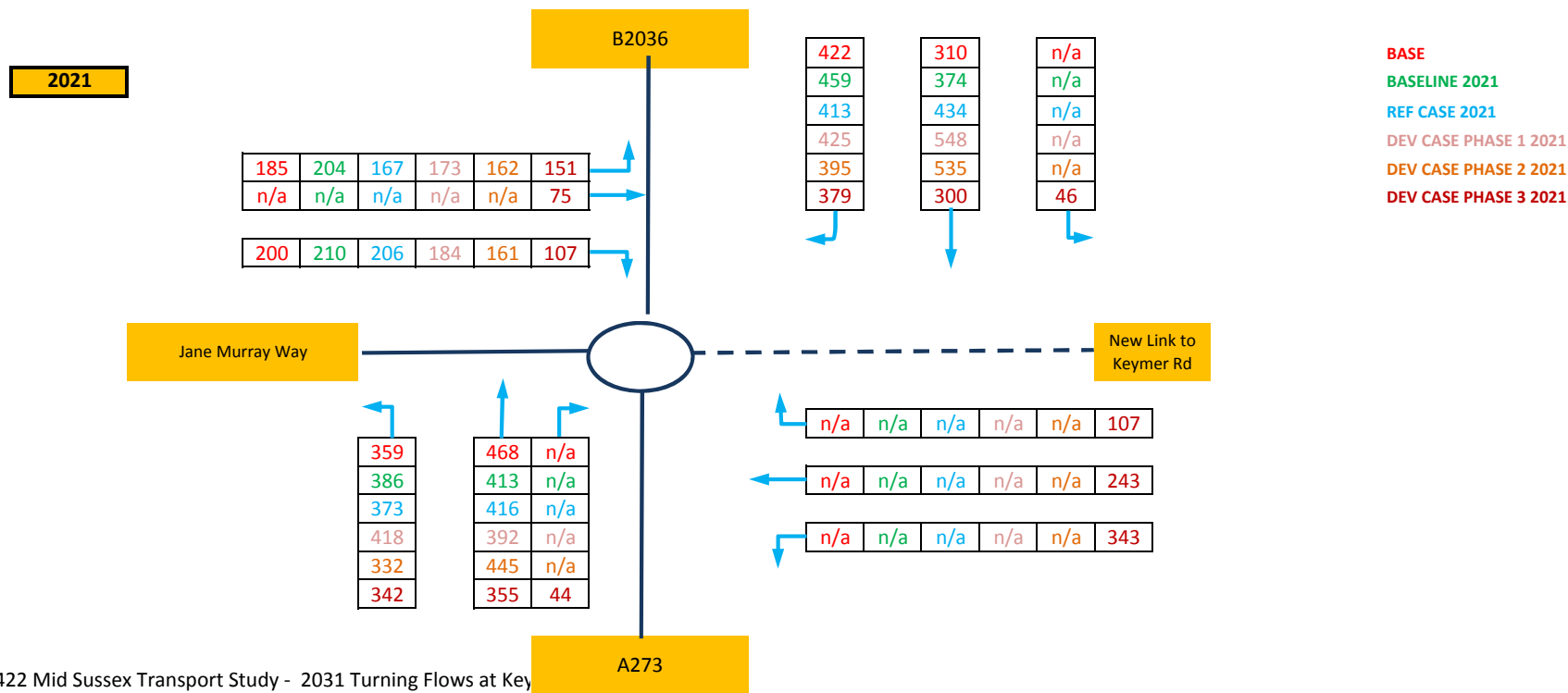




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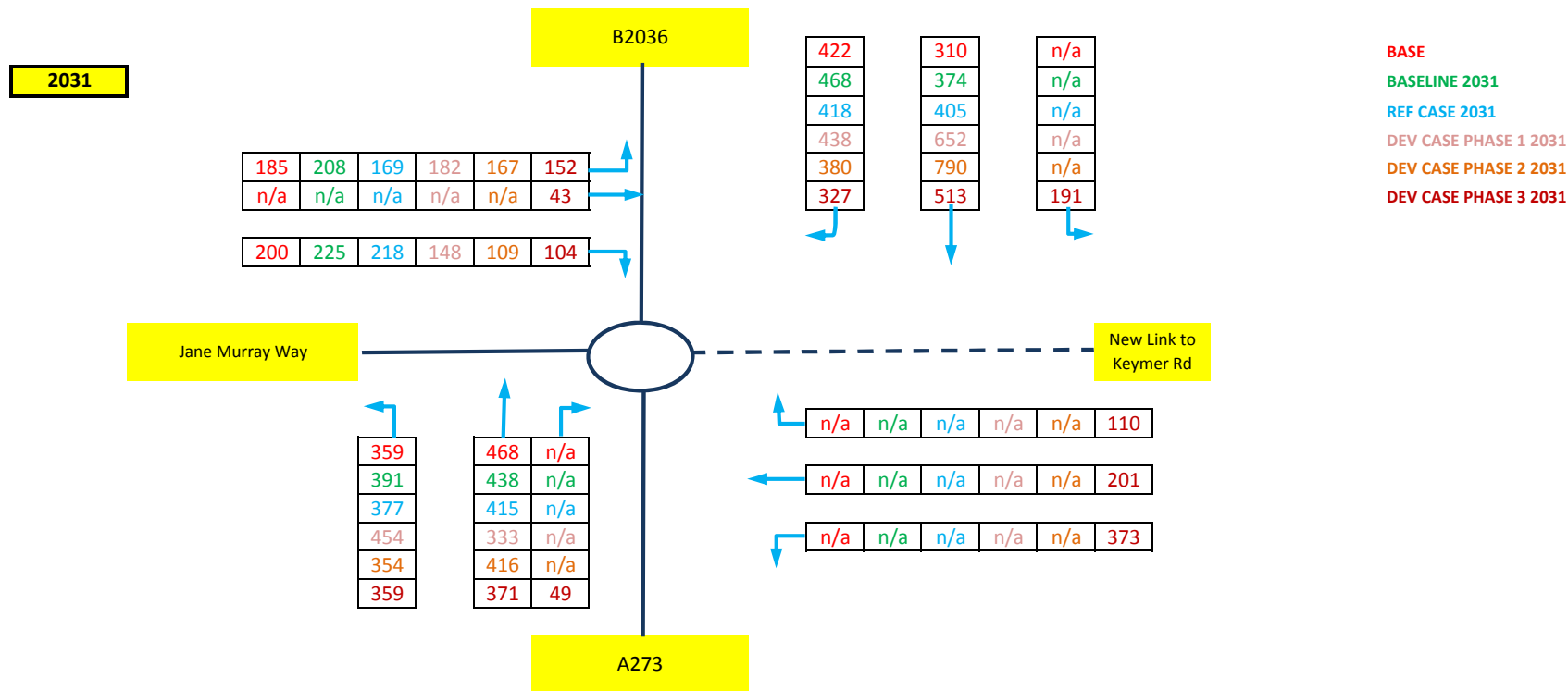
**B.5. Jane Murray Way/ A273/ London Road Turning Flows (PCU)**

CO03022422 Mid Sussex Transport Study - 2021 Turning Flows at Key Junctions (AM Peak)



CO03022422 Mid Sussex Transport Study - 2031 Turning Flows at Key

CO03022422 Mid Sussex Transport Study - 2031 Turning Flows at Key Junctions (AM Peak)





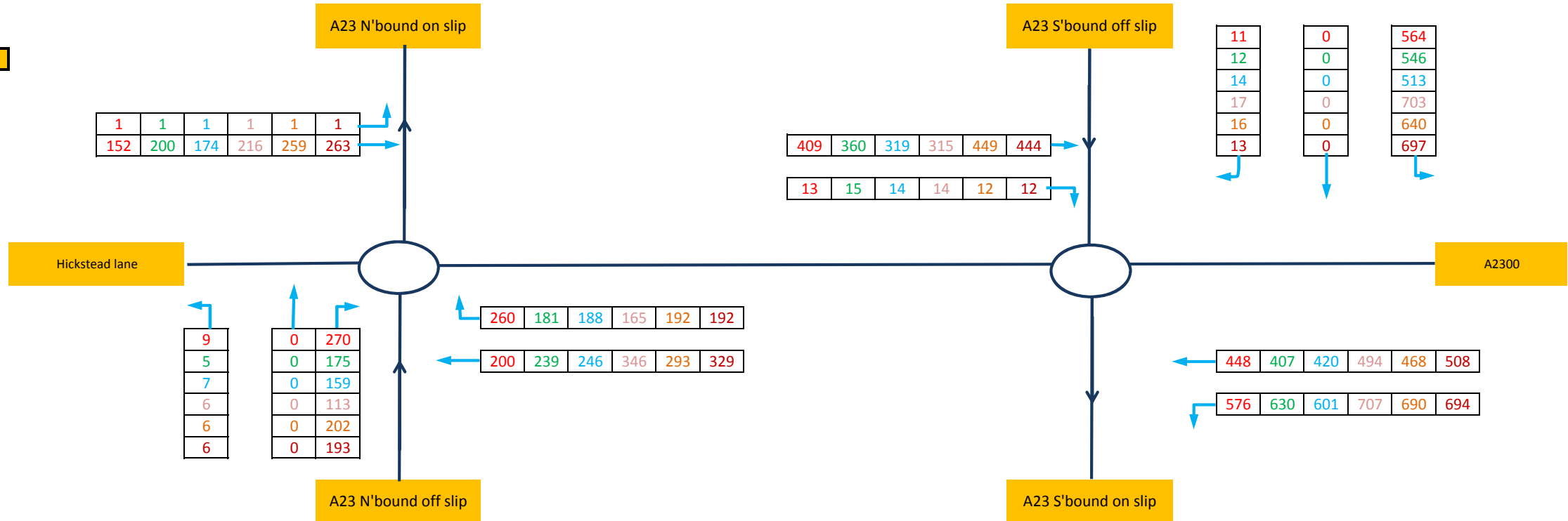


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**B.6. A23/ A2300/ Hickstead Lane Turning Flows (PCU)**

CO03022422 Mid Sussex Transport Study - 2021 Turning Flows at Key Junctions (AM Peak)

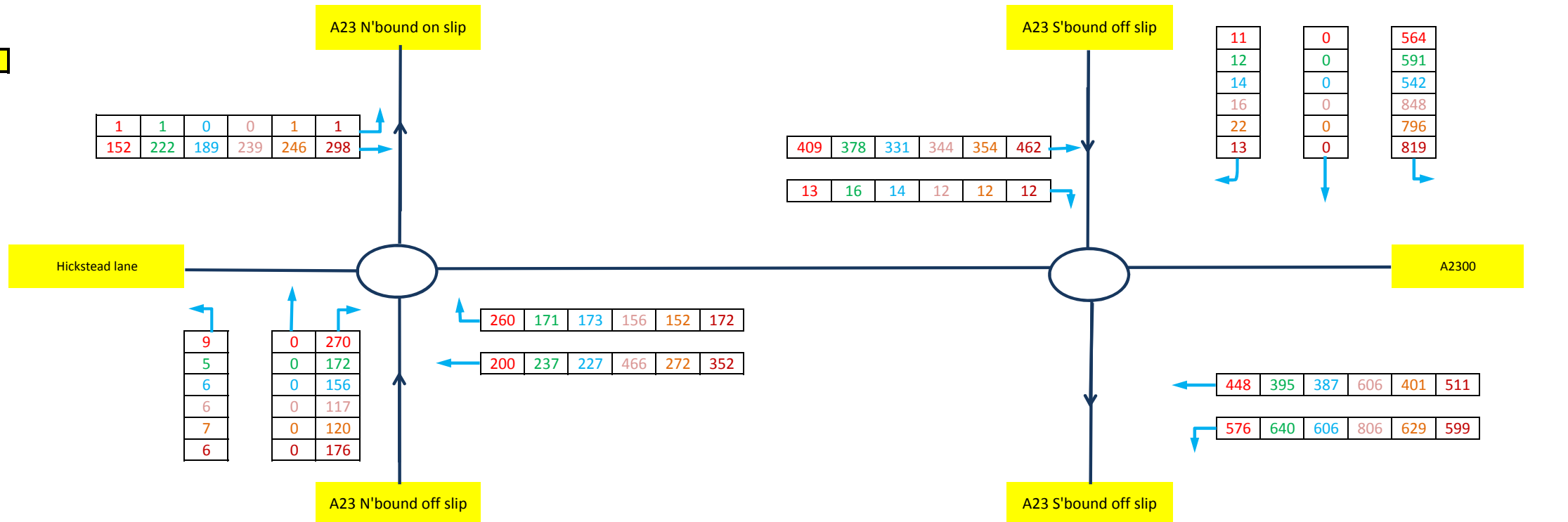
2021



CO03022422 Mid Sussex Transport Study - 2031 Turning Flows at Key Junctions (AM Peak) Sussex Way

CO03022422 Mid Sussex Transport Study - 2031 Turning Flows at Key Junctions (AM Peak)

2031

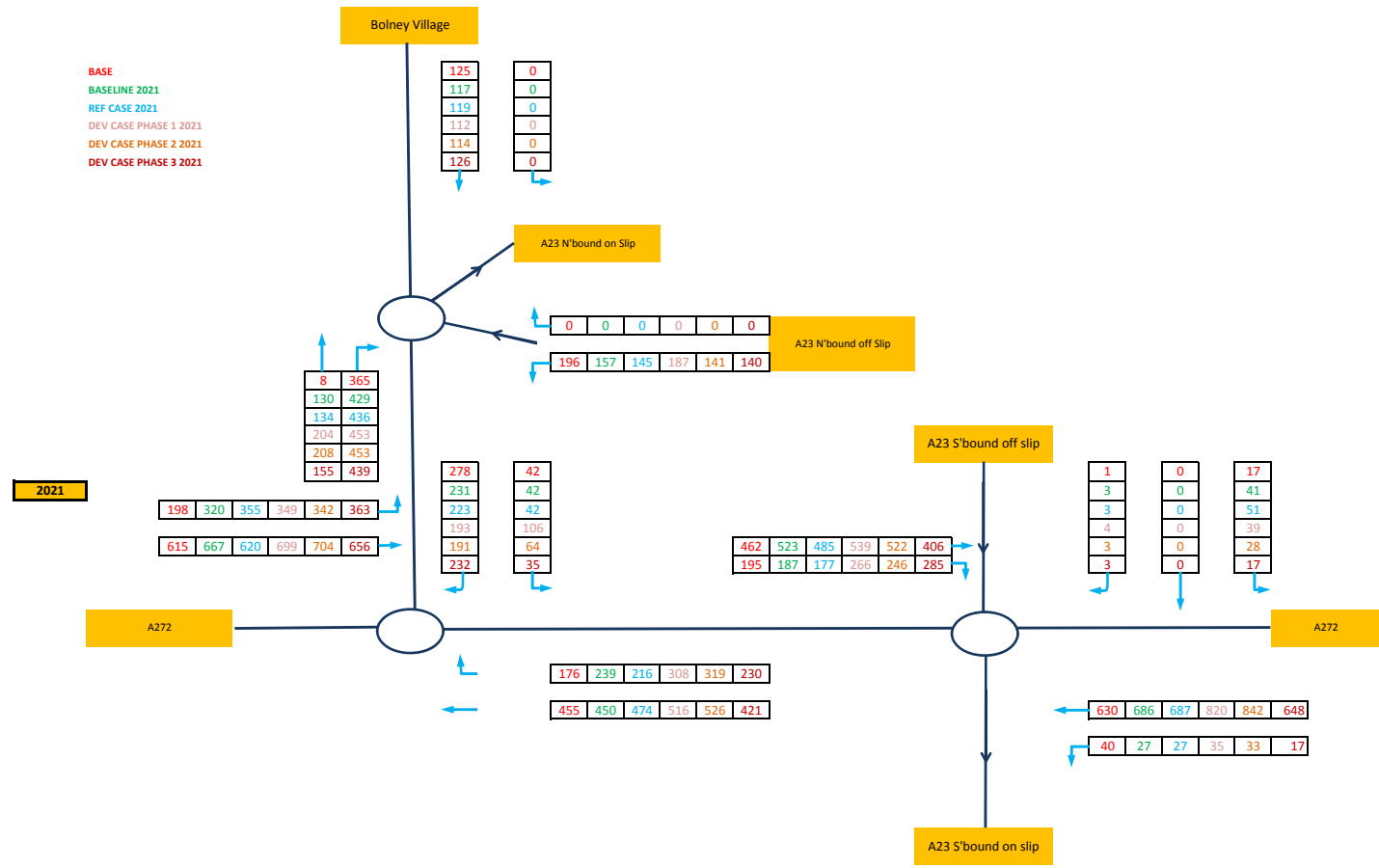




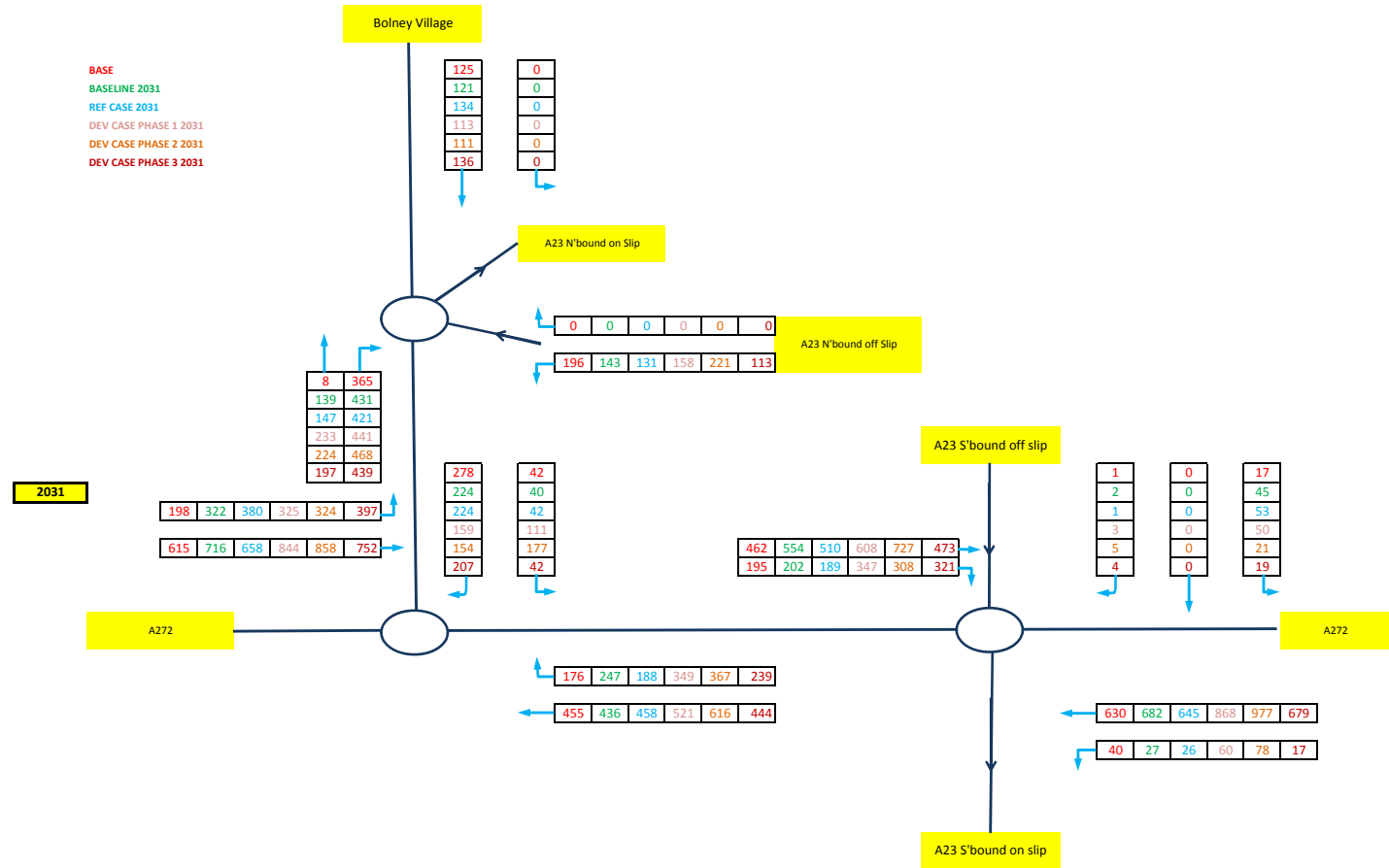
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**B.7. A272/ Bolney Village/ A23 Access Turning Flows (PCU)**

CO03022422 Mid Sussex Transport Study - 2021 Turning Flows at Key Junctions (AM Peak)



CO03022422 Mid Sussex Transport Study - 2031 Turning Flows at Key Junctions (AM Peak)



# Appendix C

## Analysis of Forecast Traffic Flows on Modelled Links

**Project Name:** Mid Sussex Transport Study

**Document Title:** MSTS Final Report

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## **C.1. Ashdown Forest Modelled Links**

CO03022422 Mid Sussex Transport Study - Ashdown Forest Modelled Links (Base Year AM Peak)

AM Peak (As Modelled)															
Link	SATURN Node List			Direction	Base Year	2021					2031				
	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A275	3920	4096		NB	232	259	256	265	263	264	271	265	288	290	288
	4096	3920		SB	178	191	189	194	189	186	197	193	203	196	192
	8131	4096		NB	288	336	340	344	338	350	357	365	367	364	364
A22	4096	8131		SB	95	103	111	115	110	107	106	113	132	126	121
	3422	4010		NB	85	98	91	95	97	102	95	102	105	104	104
	4010	3422		SB	182	202	199	197	195	194	206	203	200	196	196
B2110	8127	8126		EB	70	71	70	69	68	68	72	71	70	68	68
	8126	8127		WB	105	122	120	117	119	117	126	125	122	121	122
								117	119	117	126	125	122	121	122
PM Peak (AM Peak Transposed)															
Link	SATURN Node List			Direction	Base Year	2021					2031				
	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A275	3920	4096		NB	178	191	189	194	189	186	197	193	203	196	192
	4096	3920		SB	232	259	256	265	263	264	271	265	288	290	288
	8131	4096		NB	95	103	111	115	110	107	106	113	132	126	121
A22	4096	8131		SB	288	336	340	344	340	338	350	357	365	367	364
	3422	4010		NB	182	202	199	197	195	194	206	203	200	196	196
	4010	3422		SB	85	98	91	95	97	102	95	102	105	104	104
B2110	8127	8126		EB	105	122	120	117	119	117	126	125	122	121	122
	8126	8127		WB	70	71	70	69	68	68	72	71	70	68	68
								117	119	117	126	125	122	121	122
AM Peak + PM Peak (PM Peak Transposed from AM)															
Link	SATURN Node List			Direction	Base Year	2021					2031				
	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A275	3920	4096		NB	410	451	445	459	453	450	468	458	491	486	480
	4096	3920		SB	410	451	445	459	453	450	468	458	491	486	480
	8131	4096		NB	383	439	452	459	449	445	456	470	497	493	485
A22	4096	8131		SB	383	439	452	459	449	445	456	470	497	493	485
	3422	4010		NB	267	300	290	292	292	291	308	297	302	301	300
	4010	3422		SB	290	300	290	292	292	291	308	297	302	301	300
B2110	8127	8126		EB	175	193	190	187	186	185	198	196	192	189	190
	8126	8127		WB	175	193	190	187	186	185	198	196	192	189	190
								187	186	185	198	196	192	189	190
24 Hour AADT (Directional)															
Link	SATURN Node List			Direction	Base Year	2021					2031				
	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A275	3920	4096		NB	2615	2873	2837	2926	2887	2871	2986	2921	3130	3100	3059
	4096	3920		SB	2615	2873	2837	2926	2887	2871	2986	2921	3130	3100	3059
	8131	4096		NB	2441	2800	2882	2928	2866	2839	2909	2996	3172	3147	3095
A22	4096	8131		SB	2441	2800	2882	2928	2866	2839	2909	2996	3172	3147	3095
	3422	4010		NB	1705	1914	1850	1863	1862	1853	1962	1897	1928	1917	1915
	4010	3422		SB	1705	1914	1850	1863	1862	1853	1962	1897	1928	1917	1915
B2110	8127	8126		EB	1117	1231	1213	1190	1189	1183	1261	1249	1227	1205	1211
	8126	8127		WB	1117	1231	1213	1190	1189	1183	1261	1249	1227	1205	1211
								1190	1189	1183	1261	1249	1227	1205	1211
24 Hour AADT (Two-way)															
Link	SATURN Node List			Direction	Base Year	2021					2031				
	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A275	3920	4096		2-way	5229	5747	5674	5853	5773	5742	5971	5842	6260	6200	6118
A22	8131	4096		2-way	4883	5599	5765	5857	5732	5679	5817	5992	6344	6294	6191
A26	3422	4010		2-way	3410	3829	3701	3727	3723	3706	3925	3794	3855	3833	3829
B2110	8127	8126		2-way	2235	2461	2425	2380	2379	2366	2523	2498	2455	2410	2422
24 Hour AADT (Change from Base Year Two-way)															
Link	SATURN Node List			Direction	Base Year	2021					2031				
	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A275	3920	4096		2-way	-	517	444	624	544	513	742	613	1030	971	889
A22	8131	4096		2-way	-	716	882	974	850	796	935	1109	1461	1411	1308
A26	3422	4010		2-way	-	419	291	317	313	296	515	384	445	423	419
B2110	8127	8126		2-way	-	226	190	145	144	131	288	264	220	175	187
24 Hour AADT (Change from Reference Case Two-way)															
Link	SATURN Node List			Direction	Base Year	2021					2031				
	A-Node	B-Node	C-Node			Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3	Baseline	Reference Case	Development Case Phase 1	Development Case Phase 2	Development Case Phase 3
A275	3920	4096		2-way	-	73	0	179	100	69	129	0	417	358	276
A22	8131	4096		2-way	-	-166	0	92	-32	-86	-175	0	352	302	199
A26	3422	4010		2-way	-	128	0	26	23	5	130	0	61	39	35
B2110	8127	8126		2-way	-	36	0	-45	-46	-59	25	0	-44	-88	-76



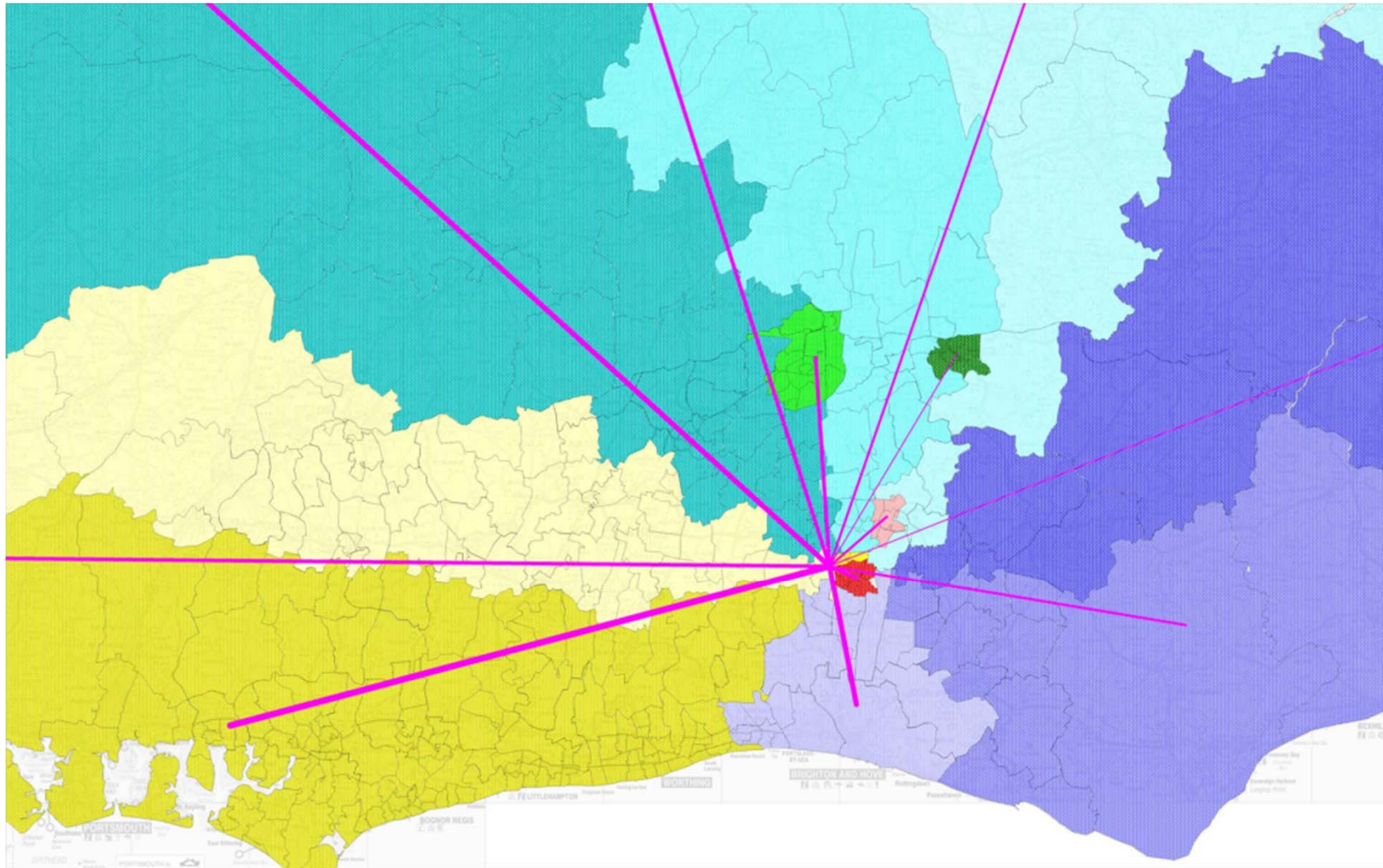
# Appendix D

## Strategic Development Site Sector to Sector Movements



















## **D.1. A2300 Business Park**



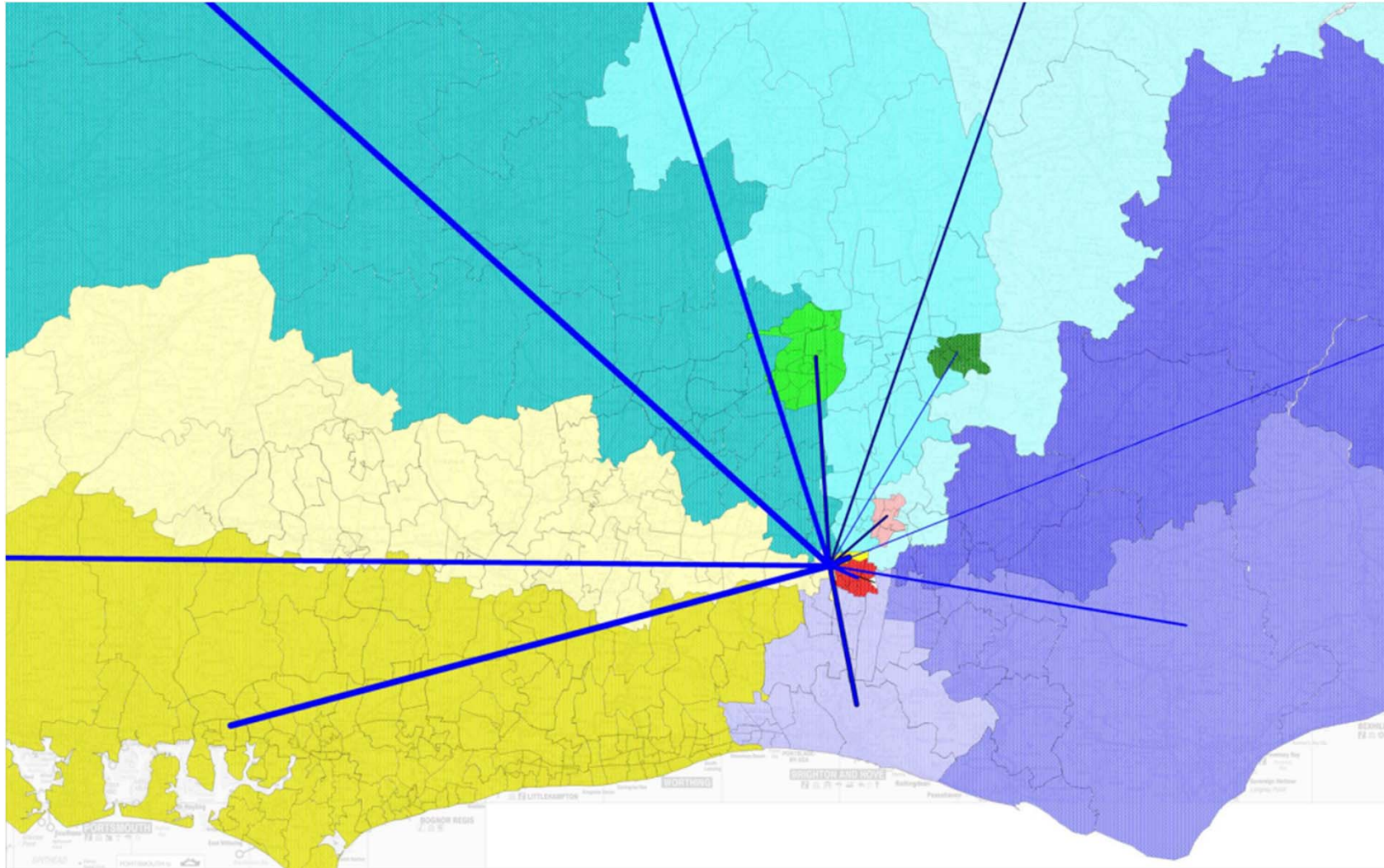
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-  North
-  North East
-  East
-  South East
-  South
-  South West
-  West
-  Burgess Hill
-  Haywards Heath
-  Crawley
-  East Grinstead
-  Northern Arc

















Project Name :  
CO03022422 - Mid Sussex Transport Study

Drawing Title:  
Sector to Sector Movements **from**  
**Business Park**



**KEY**

-  Movements
-  North West
-  North
-  North East
-  East
-  South East
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-  West
-  Burgess Hill
-  Haywards Heath
-  Crawley
-  East Grinstead
-  Northern Arc



Client :



Project Name :

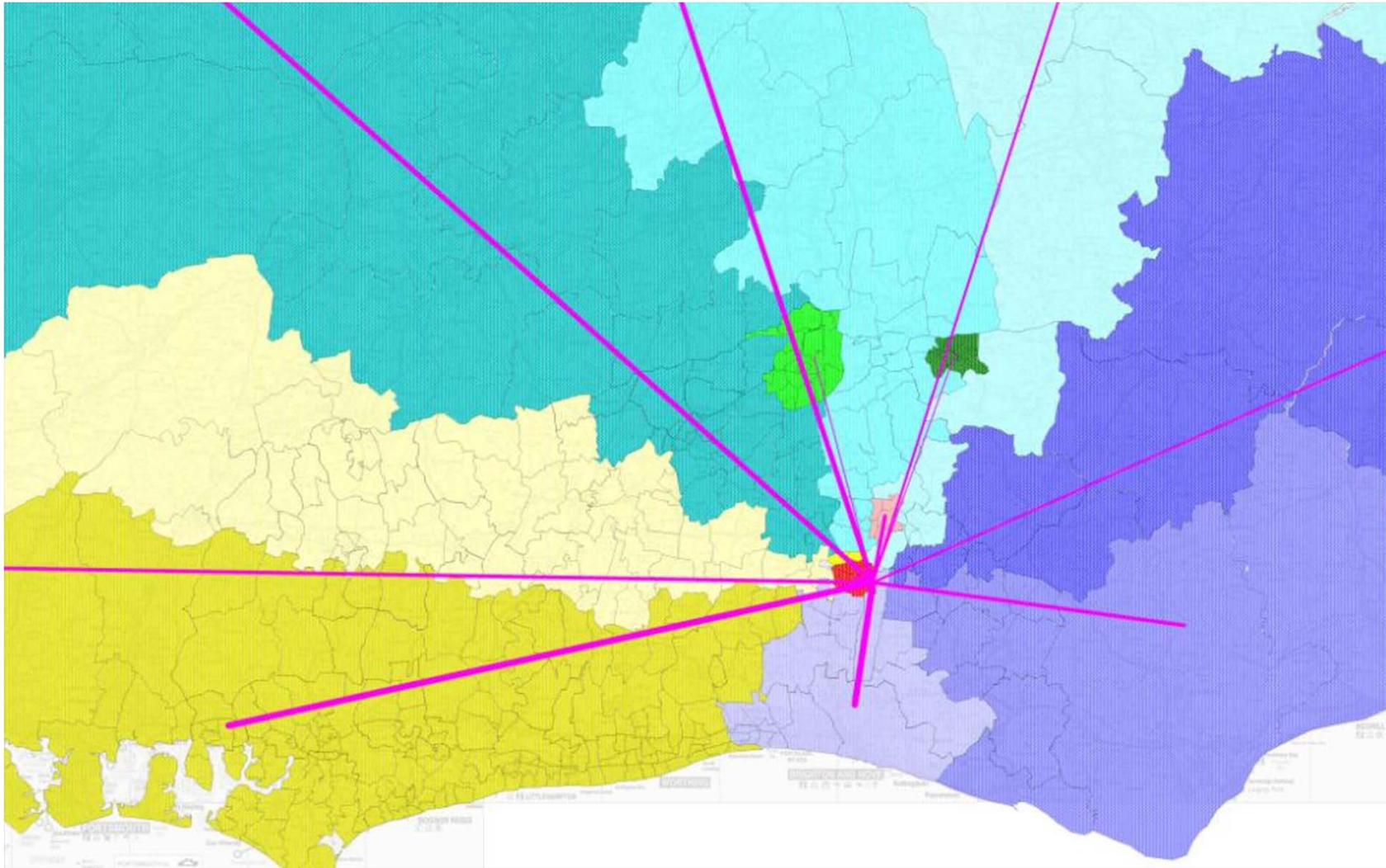
CO03022422 - Mid Sussex Transport Study

Drawing Title :















**Sector to Sector Movements to  
Business Park**



## **D.2. East of Kingsway**



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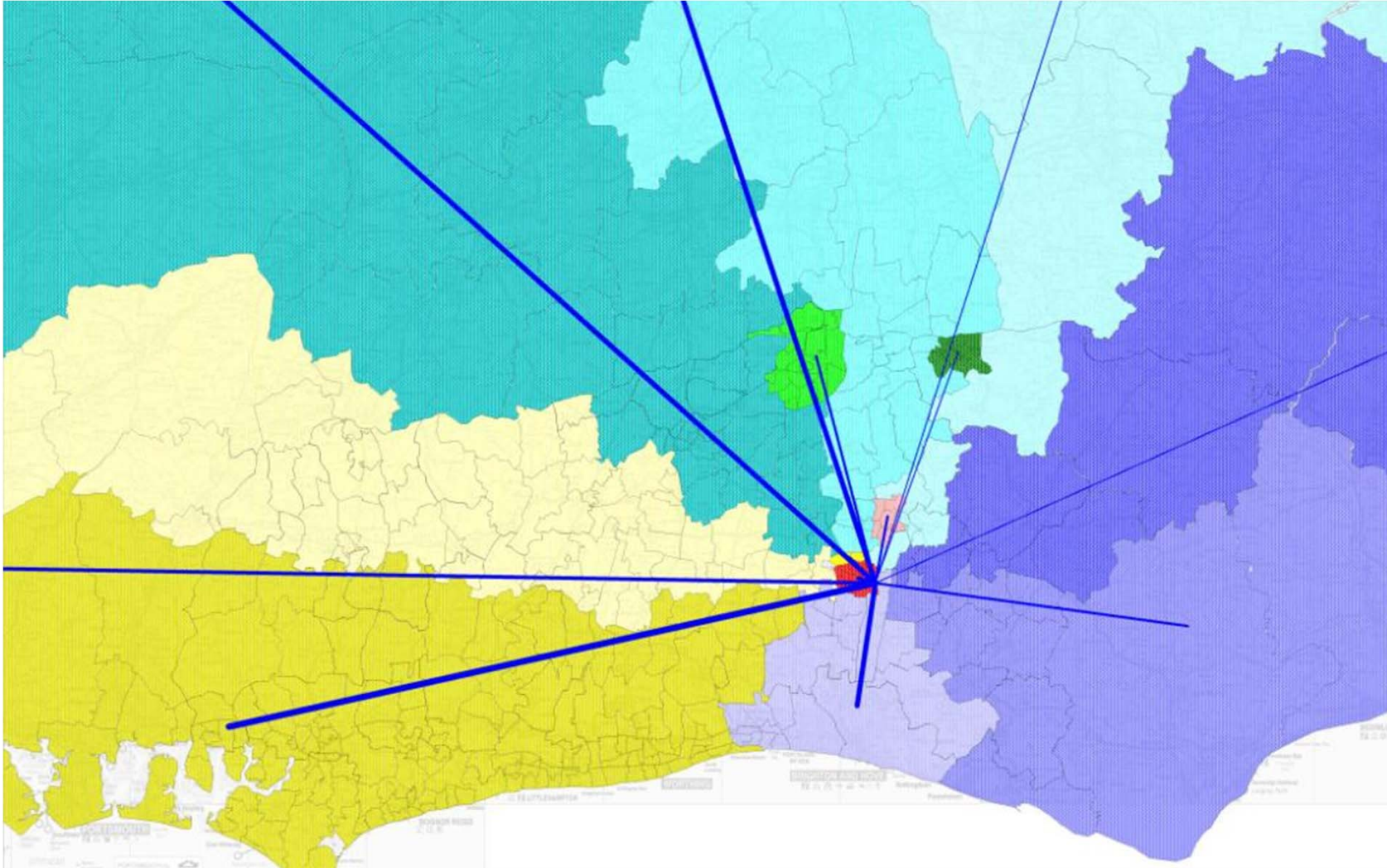
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-  West
-  Burgess Hill
-  Haywards Heath
-  Crawley
-  East Grinstead
-  Northern Arc













Client : 

Project Name :  
CO03022422 - Mid Sussex Transport Study

Drawing Title :  
Sector to Sector Movements **from**  
**East of Kings Way**



**KEY**

-  Movements
-  North West
-  North
-  North East
-  East
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-  West
-  Burgess Hill
-  Haywards Heath
-  Crawley
-  East Grinstead
-  Northern Arc



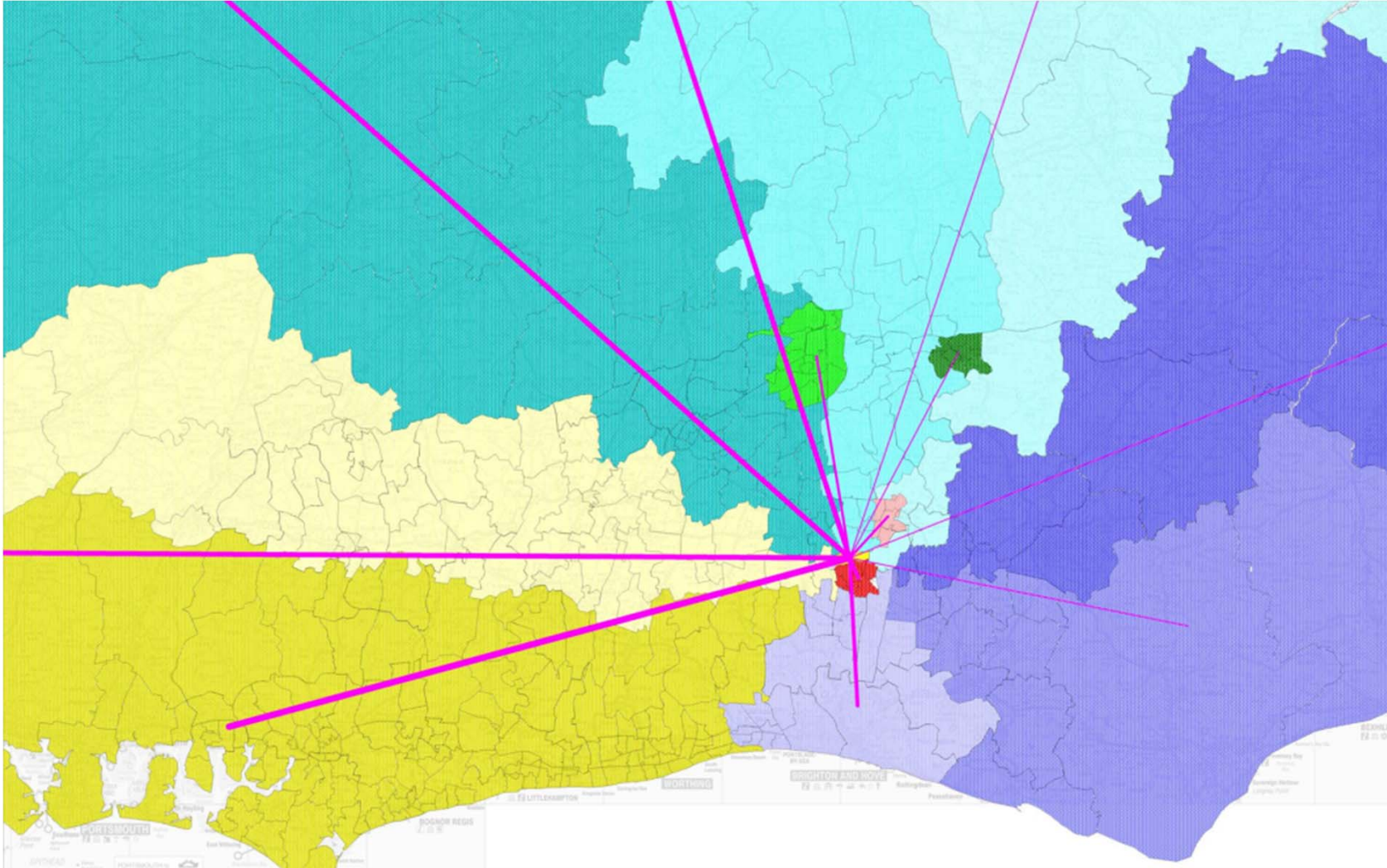
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Project Name :  
CO03022422 - Mid Sussex Transport Study














Drawing Title :  
Sector to Sector Movements **to East of Kings Way**



### **D.3. Northern Arc**



**KEY**

-  Movements
-  North West
-  North
-  North East
-  East
-  South East
-  South
-  South West
-  West
-  Burgess Hill
-  Haywards Heath
-  Crawley
-  East Grinstead
-  Northern Arc

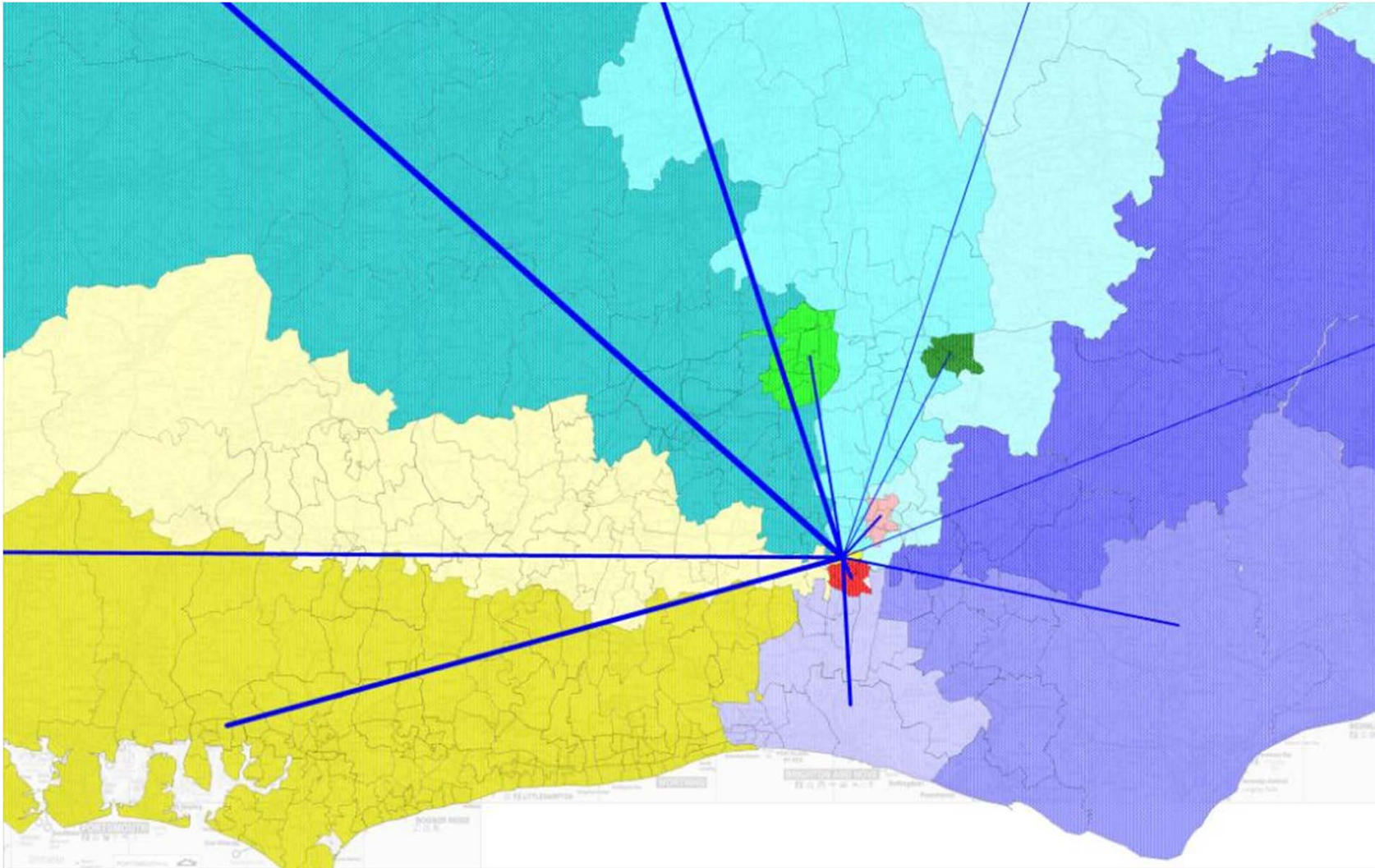


Client : 















Project Name :  
CO03022422 - Mid Sussex Transport Study

Drawing Title :  
Sector to Sector Movements **from Northern Arc**





**KEY**

-  Movements
-  North West
-  North
-  North East
-  East
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-  South
-  South West
-  West
-  Burgess Hill
-  Haywards Heath
-  Crawley
-  East Grinstead
-  Northern Arc



Client :



Project Name :

CO03022422 - Mid Sussex Transport Study

Drawing Title:

Sector to Sector Movements to  
**Northern Arc**