



Dartford Local Plan
Strategic transport modelling
Stage 2b – Reference Case methodology

On behalf of

DARTFORD
BOROUGH COUNCIL

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For and on behalf of Stantec UK Limited				

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1 Introduction

- 1.1.1 Stantec have been appointed by Dartford Borough Council (DBC) to provide strategic modelling evidence in support of their emerging Local Plan. The current Dartford Local Plan comprises the Core Strategy 2011 and the Development Policies Plan 2017.
- 1.1.2 The Council is carrying out a review of its Local Plan, with a time horizon for the Local Plan of 2036. On current information, DBC consider that the existing permissions and identified sites will be capable of delivering the new homes required to meet local housing need. On this basis, considerations for the new Local Plan are likely to relate to the intensity of development at these locations, rather than identifying alternative spatial locations.

1.2 Dartford Cordon of the Lower Thames Area Model (DCLTAM)

- 1.2.1 DBC have been provided with the Dartford Cordon of the Lower Thames Area Model (DCLTAM) by Highways England (HE). This model is the supplementary consultation version and forms a key component of the Local Plan strategic transport modelling appointment.
- 1.2.2 Due to the new Local Plan identifying at an early stage that the current development strategy would provide for future need, with intensification at these locations, Stantec's remit is to review and update the DCLTAM to create a base year model (see Stage 1 report) and forecast year model (see Stage 2a report) and use this for Local Plan option testing.
- 1.2.3 The following report has been prepared to set out the proposed methodology and parameters for deriving a Reference Case model against which Local Plan models can be assessed. This is referred to as Stage 2b of Stantec's appointment.

1.3 Reference Case

- 1.3.1 A Reference Case has been advised by DBC and this is set out in further detail, with respect to land use and quanta, within this report. In general, the Reference Case includes existing and consented development in Dartford Borough.
- 1.3.2 The approach to defining the Reference Case has been revised and agreed with highway officers at Highways England following receipt of their comments (July 2021) to the draft Stage 3 outputs report (June 2021).
- 1.3.3 Highways England officers commented that the Reference Case could assume the same likely build out scenario within Ebbsfleet Valley as the Preferred Local Plan development scenario. Highways England advised that this approach, rather than assuming the full permitted build out within Ebbsfleet Valley as a Reference Case, would give a more likely underlying growth assumption and would allow a like for like comparison against the Preferred Local Plan development scenario. Hence, for Ebbsfleet Valley the likely build out assumed for the Preferred Local Plan development scenario has also been adopted for the Reference Case.
- 1.3.4 The Reference Case quanta will also be lower than, or the same as, the Preferred Local Plan scenario for all consented sites.
- 1.3.5 The adopted Reference Case differs from the DCLTAM land use quanta (the Uncertainty Log) and this is also described within this report.

1.4 This document

- 1.4.1 The purpose of this report is to present the proposed framework for the derivation of the Reference Case. This document is structured in the following way.

- Section 2 considers the traffic generation parameters adopted for various Reference Case land uses.
- Section 3 summarises the DCLTAM and Reference Case land use quanta included within the assessment.
- Section 4 details the predicted traffic generation from the DCLTAM and reference Case land use based upon the input parameters described in sections 2 and 3.
- Section 5 considers the distribution assumptions to be adopted.

2 Traffic generation

- 2.1.1 Stantec have reviewed trip rate data from the TRICS database as a standard starting point. The criteria followed aims to achieve a sample size of at least 5 sites.
- 2.1.2 The “Stage 3 methodology” Stantec report details the criteria, TRICS data extracted and trip generation rates adopted for assessment purposes for the following land uses:
- Residential (houses)
 - Residential (flats)
 - B1a/b office and research
 - B1c industrial processes
 - B8 warehousing
 - B8 parcel distribution
 - Local shops
 - Retail park
 - Leisure park
 - Leisure centre
 - Leisure – cinema
 - Hotel
 - Pub / Restaurant
- 2.1.3 The trip generation rates detailed within the “Stage 3 – methodology” report have been used to calculate traffic generation for the DCLTAM land use schedule, the Reference Case and the Local Plan preferred option.
- 2.1.4 This allows a direct and relative comparison to be made between each scenario, with respect to traffic generation, with the differences relating solely to the land use schedule considered.
- 2.1.5 Hence reference should be made to the “Stage 3 – methodology” report for further details with respect to trip generation rates adopted for assessment.

3 Land use quanta

3.1.1 The following section summarises the 2036 land use quanta for the DCLTAM baseline model (the subject of the Stage 2a report) and the derived Reference Case.

3.2 Reference Case land use quanta

3.2.1 DBC have defined a Reference Case land use schedule for assessment purposes and this has been discussed and agreed with highway officers as described at section 1.3. The Reference Case quanta is summarised below and provides a comparator for the Local Plan preferred option. The land use schedule is included in greater detail at Appendix A.

Land use	Quantum
Flats	6,504
Houses	5,237
Residential	11,741
B1a and B1c (Office-Industrial)	97,837
Industrial	62,990
Warehousing	122,768
Parcel Distribution	184,153
Employment	467,748
Local shops	13,400
Retail Park-incl food	24,233
Retail	37,633
Hotel	4,107
Pub Restaurant	8,700
Hospitality	12,807
Leisure - centre	5,000
Leisure - park	13,400
Leisure - cinema	13,400
Leisure	31,800

3.3 Comparison with DCLTAM

3.3.1 The Reference Case quanta has been compared with the DCLTAM land use quanta (based upon the Uncertainty Log) and relative to a base year of 2019. This comparison is summarised in the table below.

Land use	DCLTAM	Reference Case	Reference Case vs DCLTAM
Flats	638	6,504	5,866

Houses	11,244	5,237	-6,007
Residential	11,882	11,741	-141
B1a and B1c (Office-Industrial)	445,231	97,837	-347,394
Industrial	131,682	62,990	-68,692
Warehousing	64,720	122,768	58,048
Parcel Distribution	97,080	184,153	87,073
Employment	738,713	467,748	-270,965
Local shops	27,100	13,400	-13,700
Retail Park-incl food	26,233	24,233	-2,000
Retail	53,333	37,633	-15,700
Hotel	20,032	4,107	-15,925
Pub Restaurant	15,500	8,700	-6,800
Hospitality	35,532	12,807	-22,725
Leisure - centre	109,386	5,000	-104,386
Leisure - park	6,258	13,400	7,142
Leisure - cinema	0	13,400	13,400
Leisure	115,644	31,800	-83,844

3.3.2 It is noted that the Reference Case is lower than the DCLTAM with respect to all land uses.

4 Potential traffic generation

4.1.1 The following section considers the potential traffic generation for the land use schedules summarised in the previous section.

4.2 Site locations

4.2.1 Where appropriately available, trip generation rates have been extracted for urban and suburban locations for each land use to be assessed. This is described in further detail in the “Stage 3 – methodology” report.

4.3 Reference Case generation

4.3.1 The potential Reference Case traffic generation has been calculated by multiplying the land use quanta by the appropriate trip generation rate.

4.3.2 A summary of the calculated traffic generation is shown below whilst further details are included at Appendix B for both Reference Case and DCLTAM land use.

Land use	AM peak hour vehicle generation (2-way)	PM peak hour vehicle generation (2-way)
Flats	1,596	1,801
Houses	2,650	2,660
Residential	4,246	4,461
B1a and B1c (Office-Industrial)	1,681	1,479
Industrial	533	479
Warehousing	420	317
Parcel distribution	2,330	2,867
Employment	4,963	5,142
Local shops	859	1,153
Retail Park-incl food	484	1,061
Retail	1,343	2,214
Hotel	11	7
Pub Restaurant	0	252
Hospitality	11	259
Leisure - centre	37	105
Leisure - park	124	484
Leisure - cinema	0	234
Leisure	161	822
TOTAL	10,724	12,898

4.4 Comparison with DCLTAM (AM peak hour)

4.4.1 The Reference Case traffic generation described above has been compared to that calculated for the DCLTAM using the same land use x trip rate methodology for the AM peak hour. This comparison is summarised in the table below.

Land use	DCLTAM (2-way)	Reference Case (2-way)	Reference Case vs DCLTAM
Flats	150	1,596	1,446
Houses	5,558	2,650	-2,908
Residential	5,708	4,246	-1,462
B1a and B1c (Office-Industrial)	7,665	1,681	-5,985
Industrial	1,123	533	-590
Warehousing	221	420	199
Parcel distribution	1,228	2,330	1,101
Employment	10,238	4,963	-5,275
Local shops	1,737	859	-878
Retail Park-incl food	524	484	-40
Retail	2,260	1,343	-918
Hotel	73	11	-63
Pub Restaurant	0	0	0
Hospitality	73	11	-63
Leisure - centre	918	37	-880
Leisure - park	58	124	66
Leisure - cinema	0	0	0
Leisure	976	161	-815
TOTAL	19,255	10,724	-8,531

4.4.2 It is noted from the table above that the reference Case is predicted to generate fewer vehicle trips than the DCLTAM land use schedule.

4.5 Comparison with DCLTAM (PM peak hour)

4.5.1 The Reference Case traffic generation described above has been compared to that calculated for the DCLTAM using the same land use x trip rate methodology for the PM peak hour. This comparison is summarised in the table below.

Land use	DCLTAM (2-way)	Reference Case (2-way)	Reference Case vs DCLTAM
Flats	189	1,801	1,612
Houses	5,523	2,660	-2,863
Residential	5,711	4,461	-1,250

B1a and B1c (Office-Industrial)	6,816	1,479	-5,337
Industrial	1,032	479	-553
Warehousing	167	317	150
Parcel distribution	1,512	2,867	1,356
Employment	9,526	5,142	-4,385
Local shops	2,332	1,153	-1,179
Retail Park-incl food	1,149	1,061	-88
Retail	3,480	2,214	-1,266
Hotel	52	7	-44
Pub Restaurant	331	252	-80
Hospitality	383	259	-124
Leisure - centre	2,592	105	-2,487
Leisure - park	226	484	258
Leisure - cinema	0	234	234
Leisure	2,818	822	-1,995
TOTAL	21,919	12,898	-9,021

- 4.5.2 It is noted from the table above that the reference Case is predicted to generate fewer vehicle trips than the DCLTAM land use schedule.

5 Distribution

- 5.1.1 During the consultation process with the highway authorities, the merits of using census data or the DCLTAM model to determine trip distribution was discussed.
- 5.1.2 The overview of the consultation was that whilst the 2011 Journey to Work census data has its merits, it is increasingly old and only includes journeys to work. The DCLTAM distribution is based upon more recent data, based upon mobile phone movements.
- 5.1.3 It was suggested that a blend or combination of the two data sources would be a reasonable approach for distributing the Local Plan traffic generation.
- 5.1.4 The “Stage 3 – methodology” report sets out the details of the distribution adopted for assessment purposes when applied to the Local Plan preferred option.
- 5.1.5 The same methodology can be applied to the DCLTAM and Reference Case traffic generation calculations summarised in section 4 of this report. This allows a consistent and relative comparison to be made between the DCLTAM, Reference Case and Local Plan land use schedules and traffic generation effects.
- 5.1.6 The difference between the vehicle matrices for each scenario will calculate the expected difference in vehicle movements between each scenario, based upon the differences in the land use schedules for each scenario.
- 5.1.7 On this basis the difference between the DCLTAM and Reference Case vehicle matrices can be added to the 2036 baseline matrix (see Stage 2a report) to derive a 2036 Reference Case matrix.

Appendix A
Land use schedule

DCLTAM (Uncertainty Log) land use schedule (from 2019 base year)

Description		DBC zone number	Flats (units)	Houses (units)	B1a employment (m2)	Industrial employment (m2)	Warehousing (m2)	Parcel distribution (m2)	Local shops (m2)	Retail Park (m2)	Pub / Restaurant (m2)	Hotel (m2)	Leisure centre (m2)	Leisure Park (m2)	Cinema
DartfordW	The Brent	7039	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Cotton Lane	7040	0	200	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone Crossing	7041	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Steele Avenue	7042	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Watling St	7043	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Fleet Estate	7044	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Grove Rd	7045	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Green St Green	7059	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	South Darenth	7060	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Bean	7061	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Southfleet	7062	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Longfield	7063	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	New Barn	7064	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	St Johns Rd	7065	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone - off B2174	7066	0	850	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Lower Road	7067	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Knockhall Rd	7068	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Swanscombe	7069	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Knockhall Rd	7070	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Swanscombe	7071	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Crossways	7083	0	0	0	20400	0	0	0	0	0	0	0	0	0
DartfordE	Crossways	7084	0	0	0	40800	0	0	0	0	0	0	0	0	0
DartfordE	Crossways	7085	0	0	0	40800	0	0	0	0	0	0	0	0	0
DartfordE	Bluewater	7086	0	0	0	0	0	0	26233	0	0	0	0	0	0
DartfordE	Hedge Place Road	7087	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone Castle	7088	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	St Clements Lake	7089	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Bean	7090	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Darenth Valley Hos	7091	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Northfleet Sub - Ac	7092	0	601	0	0	0	0	0	0	0	0	0	1758	0
DartfordE	A296- EQ access	7093	0	2023	39600	0	0	0	8580	0	0	3630	24420	0	0
DartfordE	Pilgrims Rd (proxy	7094	0	800	0	2300	0	0	0	0	0	0	0	0	0
DartfordE	Swanscombe (Cray	7095	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	International Way	7096	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	A226 Ebbsfleet Car	7097	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	A2260 access from	7098	0	1390	61035	0	0	0	0	3500	0	18195	2500	0	0
DartfordE	International Way	7099	0	931	182657	0	0	0	0	12000	9032	17191	2000	0	0
DartfordE	Castle Hill Drive	7100	-218	1695	39600	0	0	0	8580	0	0	3630	24420	0	0
DartfordE	Council Rd-College	7101	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Alkerden Lane	7118	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Greenhithe/Ingres	7119	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Bob Dunn Way E	7182	0	0	30000	0	0	0	0	0	0	0	0	0	0
DartfordE	Bob Dunn Way W	7183	0	0	58205	0	64720	97080	0	0	0	0	0	0	0
DartfordW	Hythe St (N)	7184	436	-20	-15266	27382	0	0	1100	0	0	0	0	0	0
DartfordW	Temple Hill	7185	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Temple Hill	7186	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	St Albans Rd	7187	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Pilgrims Way	7188	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Brent Lane	7189	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Hawley	7190	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Wilmington	7191	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Heath Lane (Lower	7192	0	345	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Brooklands	7193	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	South of Princes Rd	7194	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Burnham Rd	7195	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Joyden Wood	7196	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC West	7197	420	345	8600	0	0	0	0	0	0	0	0	0	0
DartfordW	Heath Lane (Upper	7198	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC North	7500	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC South	7501	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford E	Ingress Park	7502	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	EQ West Village	8005	0	2084	40800	0	0	0	8840	0	0	3740	25160	0	0
			638	11244	445231	131682	64720	97080	27100	26233	15500	20032	109386	6258	0

Reference Case land use schedule (from 2019 base year)

6504 5237 97837 62990 122768 184153 13400 24233 8700 4107 5000 13400 13400 561729

Description	DBC zone number	Flats (units)	Houses (units)	B1a employment (m2)	Industrial employment (m2)	Warehousing (m2)	Parcel distribution (m2)	Local shops (m2)	Retail Park (m2)	Pub / Restaurant (m2)	Hotel (m2)	Leisure centre (m2)	Leisure Park (m2)	Cinema
DartfordW	The Brent	7039	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Cotton Lane	7040	70	238	0	0	0	1300	0	0	0	0	0	0
DartfordE	Stone Crossing	7041	6	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Steele Avenue	7042	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Watling St	7043	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Fleet Estate	7044	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Grove Rd	7045	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Green St Green	7059	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	South Darenth	7060	0	33	0	0	0	0	0	0	0	0	0	0
Dartford S	Bean	7061	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Southfleet	7062	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Longfield	7063	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	New Barn	7064	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	St Johns Rd	7065	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone - off B2174	7066	220	335	0	0	0	1200	0	0	0	0	0	0
DartfordE	Lower Road	7067	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Knockhall Rd	7068	4	14	0	0	0	0	0	0	0	0	0	0
DartfordE	Swanscombe	7069	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Knockhall Rd	7070	111	55	0	0	0	0	0	0	0	0	0	0
DartfordE	Swanscombe	7071	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Crossways	7083	0	0	0	8444	0	0	0	0	0	0	0	0
DartfordE	Crossways	7084	103	0	15700	30715	1650	2475	0	0	0	0	0	0
DartfordE	Crossways	7085	0	0	0	0	17219	25828	0	0	0	0	0	0
DartfordE	Bluewater	7086	0	0	0	0	0	0	24233	0	0	0	0	0
DartfordE	Hedge Place Road	7087	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone Castle	7088	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	St Clements Lake	7089	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Bean	7090	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Darenth Valley Hos	7091	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Northfleet Sub - Ac	7092	286	315	0	0	0	0	0	0	0	0	0	0
DartfordE	A296- EQ access	7093	809	1214	0	0	0	1700	0	1600	0	5000	0	0
DartfordE	Pilgrims Rd (proxy	7094	262	538	0	2300	0	0	0	0	0	0	0	0
DartfordE	Swanscombe (Cray	7095	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	International Way	7096	0	0	32250	0	0	0	0	0	0	0	0	0
DartfordE	A226 Ebbsfleet Car	7097	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	A2260 access from	7098	1223	167	12900	0	0	1250	0	1250	0	0	0	0
DartfordE	International Way	7099	819	112	19350	0	0	4250	0	3250	4107	0	13400	13400
DartfordE	Castle Hill Drive	7100	591	886	6000	0	0	900	0	900	0	0	0	0
DartfordE	Council Rd-College	7101	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Alkerden Lane	7118	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Greenhithe/Ingress	7119	33	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Bob Dunn Way E	7182	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Bob Dunn Way W	7183	0	0	439	19695	96739	145109	0	0	0	0	0	0
DartfordW	Hythe St (N)	7184	0	0	0	0	4846	7270	1100	0	0	0	0	0
DartfordW	Temple Hill	7185	6	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Temple Hill	7186	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	St Albans Rd	7187	0	6	0	0	0	0	0	0	0	0	0	0
DartfordW	Pilgrims Way	7188	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Brent Lane	7189	0	59	0	0	0	0	0	0	0	0	0	0
Dartford S	Hawley	7190	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Wilmington	7191	0	6	0	0	0	0	0	0	0	0	0	0
DartfordW	Heath Lane (Lower	7192	368	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Brooklands	7193	0	0	5198	1836	2314	3471	0	0	0	0	0	0
DartfordW	South of Princes Rd	7194	0	9	0	0	0	0	0	0	0	0	0	0
DartfordW	Burnham Rd	7195	436	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Joyden Wood	7196	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC West	7197	323	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Heath Lane (Upper	7198	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC North	7500	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC South	7501	0	0	0	0	0	0	0	0	0	0	0	0
Dartford E	Ingress Park	7502	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	EQ West Village	8005	834	1250	6000	0	0	1700	0	1700	0	0	0	0

6504 5237 97837 62990 122768 184153 13400 24233 8700 4107 5000 13400 13400

Appendix B
Traffic generation

Total Generation (AM peak hour) - Uncertainty Log

		1669	8139	1234	32	521	11595	4039	2099	1027	41	455	7661	5708	10238	2260	73	976	19255			
		INBOUND							OUTBOUND							2 - WAY						
Description	DBC zone number	Residential	Employment	Retail	Hospitality	Leisure	Total	Residential	Employment	Retail	Hospitality	Leisure	Total	Residential	Employment	Retail	Hospitality	Leisure	Total			
DartfordW	The Brent	7039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	Cotton Lane	7040	29	0	0	0	29	77	0	0	0	0	77	106	0	0	0	0	106			
DartfordE	Stone Crossing	7041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	Steele Avenue	7042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	Watling St	7043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	Fleet Estate	7044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	Grove Rd	7045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Dartford S	Green St Green	7059	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Dartford S	South Darenth	7060	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Dartford S	Bean	7061	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Dartford S	Southfleet	7062	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Dartford S	Longfield	7063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Dartford S	New Barn	7064	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	St Johns Rd	7065	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	Stone - off B2174	7066	122	0	0	0	122	328	0	0	0	0	328	451	0	0	0	0	451			
DartfordE	Lower Road	7067	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	Knockhall Rd	7068	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	Swanscombe	7069	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	Knockhall Rd	7070	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	Swanscombe	7071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	Crossways	7083	0	132	0	0	132	0	40	0	0	0	40	0	172	0	0	0	172			
DartfordE	Crossways	7084	0	264	0	0	264	0	81	0	0	0	81	0	345	0	0	0	345			
DartfordE	Crossways	7085	0	264	0	0	264	0	81	0	0	0	81	0	345	0	0	0	345			
DartfordE	Bluewater	7086	0	0	319	0	319	0	0	205	0	0	205	0	0	524	0	0	524			
DartfordE	Hedge Place Road	7087	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	Stone Castle	7088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	St Clements Lake	7089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Dartford S	Bean	7090	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	Darenth Valley Hosp	7091	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	Northfleet Sub - Ackers Drive	7092	87	0	0	0	96	232	0	0	0	7	239	319	0	0	0	16	335			
DartfordE	A296- EQ access	7093	295	590	290	4	95	1273	615	86	260	5	88	1054	910	675	550	10	183	2328		
DartfordE	Pilgrims Rd (proxy for Manor Way)	7094	115	15	0	0	130	309	5	0	0	0	313	424	19	0	0	0	443			
DartfordE	Swanscombe (Craylands Lane)	7095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	International Way (from A2260)	7096	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	A226 Ebbsfleet Car Park	7097	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	A2260 access from Springhead	7098	203	909	0	0	83	1195	423	132	0	0	630	626	1041	0	0	159	1825			
DartfordE	International Way ((from rbt)	7099	136	2720	0	10	77	2943	283	395	0	14	761	419	3114	0	24	147	3704			
DartfordE	Castle Hill Drive	7100	231	625	290	9	126	1281	612	68	260	11	1056	843	693	550	20	232	2337			
DartfordE	Council Rd-College Ave	7101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	Alkerden Lane	7118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	Greenhithe/Ingress Park	7119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordE	Bob Dunn Way E	7182	0	473	0	0	0	473	0	51	0	0	51	0	525	0	0	0	525			
DartfordE	Bob Dunn Way W	7183	0	1458	0	0	0	1458	0	1009	0	0	1009	0	2467	0	0	0	2467			
DartfordW	Hythe St (N)	7184	24	-82	37	0	0	-21	72	64	33	0	169	96	-19	70	0	0	147			
DartfordW	Temple Hill	7185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordW	Temple Hill	7186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordW	St Albans Rd	7187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordW	Pilgrims Way	7188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordW	Brent Lane	7189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Dartford S	Hawley	7190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Dartford S	Wilmington	7191	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordW	Heath Lane (Lower)	7192	50	0	0	0	0	50	105	0	0	0	105	155	0	0	0	0	155			
DartfordW	Brooklands	7193	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordW	South of Princes Rd	7194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordW	Burnham Rd	7195	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Dartford S	Joyden Wood	7196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordW	TC West	7197	76	128	0	0	0	204	180	19	0	0	198	256	147	0	0	0	403			
DartfordW	Heath Lane (Upper)	7198	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordW	TC North	7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DartfordW	TC South	7501	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Dartford E	Ingress Park	7502	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Dartford E	EQ West Village	8005	300	644	298	9	130	1382	804	70	268	11	108	1262	1105	714	566	20	239	2644		

Total Generation (PM peak hour) - Uncertainty Log

			3659	1912	1709	229	1525	9033	2052	7615	1772	155	1292	12886	5711	9526	3480	383	2818	21919
			INBOUND						OUTBOUND						2 - WAY					
Description	DBC zone number	Residential	Employment	Retail	Hospitality	Leisure	Total	Residential	Employment	Retail	Hospitality	Leisure	Total	Residential	Employment	Retail	Hospitality	Leisure	Total	
DartfordW	The Brent	7039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Cotton Lane	7040	75	0	0	0	75	34	0	0	0	0	34	108	0	0	0	0	0	108
DartfordE	Stone Crossing	7041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Steele Avenue	7042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Watling St	7043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Fleet Estate	7044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Grove Rd	7045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Green St Green	7059	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	South Darenth	7060	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Bean	7061	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Southfleet	7062	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Longfield	7063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	New Barn	7064	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	St Johns Rd	7065	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone - off B2174	7066	317	0	0	0	317	144	0	0	0	0	144	461	0	0	0	0	0	461
DartfordE	Lower Road	7067	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Knockhall Rd	7068	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Swanscombe	7069	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Knockhall Rd	7070	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Swanscombe	7071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Crossways	7083	0	30	0	0	30	0	124	0	0	0	124	0	154	0	0	0	0	154
DartfordE	Crossways	7084	0	60	0	0	60	0	249	0	0	0	249	0	308	0	0	0	0	308
DartfordE	Crossways	7085	0	60	0	0	60	0	249	0	0	0	249	0	308	0	0	0	0	308
DartfordE	Bluewater	7086	0	0	594	0	594	0	0	555	0	0	555	0	0	1149	0	0	0	1149
DartfordE	Hedge Place Road	7087	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone Castle	7088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	St Clements Lake	7089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Bean	7090	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Darenth Valley Hosp	7091	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Northfleet Sub - Ackers Drive	7092	224	0	0	0	224	102	0	0	0	25	126	326	0	0	0	0	63	389
DartfordE	A296- EQ access	7093	492	82	353	4	1111	374	492	385	3	262	1516	866	575	738	7	512	2697	
DartfordE	Pilgrims Rd (proxy for Manor Way)	7094	298	3	0	0	301	135	14	0	0	0	149	434	17	0	0	0	0	451
DartfordE	Swanscombe (Craylands Lane)	7095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	International Way (from A2260)	7096	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	A226 Ebbsfleet Car Park	7097	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	A2260 access from Springhead	7098	338	127	0	45	750	257	759	0	30	230	1276	595	886	0	75	472	2027	
DartfordE	International Way ((from rbt)	7099	226	380	0	164	991	172	2270	0	109	212	2764	398	2650	0	273	433	3754	
DartfordE	Castle Hill Drive	7100	594	75	353	8	1411	268	583	385	7	277	1520	862	658	738	14	659	2931	
DartfordE	Council Rd-College Ave	7101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Alkerden Lane	7118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Greenhithe/Ingress Park	7119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Bob Dunn Way E	7182	0	57	0	0	57	0	442	0	0	0	442	0	499	0	0	0	0	499
DartfordE	Bob Dunn Way W	7183	0	876	0	0	876	0	1770	0	0	0	1770	0	2646	0	0	0	0	2646
DartfordW	Hythe St (N)	7184	74	68	45	0	187	43	-46	49	0	0	46	117	22	95	0	0	0	233
DartfordW	Temple Hill	7185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Temple Hill	7186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	St Albans Rd	7187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Pilgrims Way	7188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Brent Lane	7189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Hawley	7190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Wilmington	7191	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Heath Lane (Lower)	7192	84	0	0	0	84	64	0	0	0	0	64	148	0	0	0	0	0	148
DartfordW	Brooklands	7193	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	South of Princes Rd	7194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Burnham Rd	7195	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Joyden Wood	7196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC West	7197	160	18	0	0	178	108	107	0	0	0	215	268	125	0	0	0	0	393
DartfordW	Heath Lane (Upper)	7198	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC North	7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC South	7501	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford E	Ingress Park	7502	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford E	EQ West Village	8005	777	77	364	8	1619	352	601	397	7	286	1643	1130	678	761	15	679	3262	

Total Generation (AM peak hour) - Reference Case

		1158	2910	747	5	88	4909	3089	2052	595	6	73	5815	4246	4963	1343	11	161	10724	
		INBOUND							OUTBOUND							2 - WAY				
Description	DBC zone number	Residential	Employment	Retail	Hospitality	Leisure	Total	Residential	Employment	Retail	Hospitality	Leisure	Total	Residential	Employment	Retail	Hospitality	Leisure	Total	
DartfordW	The Brent	7039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordE	Cotton Lane	7040	39	0	44	0	82	105	0	39	0	0	145	144	0	83	0	0	227	
DartfordE	Stone Crossing	7041	0	0	0	0	0	1	0	0	0	0	1	2	0	0	0	0	2	
DartfordE	Steele Avenue	7042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordE	Watling St	7043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordE	Fleet Estate	7044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordE	Grove Rd	7045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dartford S	Green St Green	7059	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dartford S	South Darenth	7060	5	0	0	0	5	13	0	0	0	0	13	17	0	0	0	0	17	
Dartford S	Bean	7061	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dartford S	Southfleet	7062	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dartford S	Longfield	7063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dartford S	New Barn	7064	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordE	St Johns Rd	7065	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordE	Stone - off B2174	7066	62	0	41	0	102	172	0	36	0	0	208	233	0	77	0	0	310	
DartfordE	Lower Road	7067	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordE	Knockhall Rd	7068	2	0	0	0	2	6	0	0	0	0	6	8	0	0	0	0	8	
DartfordE	Swanscombe	7069	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordE	Knockhall Rd	7070	15	0	0	0	15	43	0	0	0	0	43	57	0	0	0	0	57	
DartfordE	Swanscombe	7071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordE	Crossways	7083	0	55	0	0	55	0	17	0	0	0	17	0	71	0	0	0	71	
DartfordE	Crossways	7084	6	460	0	0	467	20	111	0	0	0	131	26	571	0	0	0	597	
DartfordE	Crossways	7085	0	144	0	0	144	0	242	0	0	0	242	0	386	0	0	0	386	
DartfordE	Bluewater	7086	0	0	295	0	295	0	0	189	0	0	189	0	0	484	0	0	484	
DartfordE	Hedge Place Road	7087	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordE	Stone Castle	7088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordE	St Clements Lake	7089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dartford S	Bean	7090	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordE	Darenth Valley Hosp	7091	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordE	Northfleet Sub - Ackers Drive	7092	63	0	0	0	63	177	0	0	0	0	177	240	0	0	0	0	240	
DartfordE	A296- EQ access	7093	227	0	57	0	304	513	0	52	0	18	583	740	0	109	0	37	887	
DartfordE	Pilgrims Rd (proxy for Manor Way)	7094	93	15	0	0	108	258	5	0	0	0	263	352	19	0	0	0	371	
DartfordE	Swanscombe (Craylands Lane)	7095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordE	International Way (from A2260)	7096	0	480	0	0	480	0	70	0	0	0	70	0	550	0	0	0	550	
DartfordE	A226 Ebbsfleet Car Park	7097	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordE	A2260 access from Springhead	7098	100	192	42	0	334	268	28	38	0	0	334	369	220	80	0	0	669	
DartfordE	International Way ((from rbt)	7099	67	288	143	5	572	180	42	129	6	55	412	247	330	272	11	124	984	
DartfordE	Castle Hill Drive	7100	164	95	30	0	289	456	10	27	0	0	494	620	105	58	0	0	782	
DartfordE	Council Rd-College Ave	7101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordE	Alkerden Lane	7118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordE	Greenhithe/Ingress Park	7119	2	0	0	0	2	6	0	0	0	0	6	8	0	0	0	0	8	
DartfordE	Bob Dunn Way E	7182	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordE	Bob Dunn Way W	7183	0	941	0	0	941	0	1400	0	0	0	1400	0	2341	0	0	0	2341	
DartfordW	Hythe St (N)	7184	0	40	37	0	78	0	68	33	0	0	102	0	109	70	0	0	179	
DartfordW	Temple Hill	7185	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	1	
DartfordW	Temple Hill	7186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordW	St Albans Rd	7187	1	0	0	0	1	2	0	0	0	0	2	3	0	0	0	0	3	
DartfordW	Pilgrims Way	7188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordW	Brent Lane	7189	9	0	0	0	9	18	0	0	0	0	18	27	0	0	0	0	27	
Dartford S	Hawley	7190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dartford S	Wilmington	7191	1	0	0	0	1	2	0	0	0	0	2	3	0	0	0	0	3	
DartfordW	Heath Lane (Lower)	7192	23	0	0	0	23	66	0	0	0	0	66	88	0	0	0	0	88	
DartfordW	Brooklands	7193	0	106	0	0	106	0	50	0	0	0	50	0	157	0	0	0	157	
DartfordW	South of Princes Rd	7194	1	0	0	0	1	3	0	0	0	0	3	4	0	0	0	0	4	
DartfordW	Burnham Rd	7195	27	0	0	0	27	78	0	0	0	0	78	105	0	0	0	0	105	
Dartford S	Joyden Wood	7196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordW	TC West	7197	20	0	0	0	20	57	0	0	0	0	57	78	0	0	0	0	78	
DartfordW	Heath Lane (Upper)	7198	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordW	TC North	7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DartfordW	TC South	7501	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dartford E	Ingress Park	7502	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dartford E	EQ West Village	8005	231	95	57	0	383	643	10	52	0	0	705	874	105	109	0	0	1088	

Total Generation (PM peak hour) - Reference Case

			2912	1746	1100	157	488	6403	1549	3395	1114	102	334	6495	4461	5142	2214	259	822	12898
			INBOUND						OUTBOUND						2 - WAY					
Description	DBC zone number	Residential	Employment	Retail	Hospitality	Leisure	Total	Residential	Employment	Retail	Hospitality	Leisure	Total	Residential	Employment	Retail	Hospitality	Leisure	Total	
DartfordW	The Brent	7039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Cotton Lane	7040	101	0	53	0	0	154	46	0	58	0	0	105	147	0	112	0	0	259
DartfordE	Stone Crossing	7041	1	0	0	0	0	1	1	0	0	0	0	1	2	0	0	0	0	2
DartfordE	Steele Avenue	7042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Watling St	7043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Fleet Estate	7044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Grove Rd	7045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Green St Green	7059	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	South Darenth	7060	12	0	0	0	0	12	6	0	0	0	0	6	18	0	0	0	0	18
Dartford S	Bean	7061	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Southfleet	7062	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Longfield	7063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	New Barn	7064	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	St Johns Rd	7065	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone - off B2174	7066	163	0	49	0	0	213	76	0	54	0	0	129	239	0	103	0	0	342
DartfordE	Lower Road	7067	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Knockhall Rd	7068	6	0	0	0	0	6	3	0	0	0	0	3	9	0	0	0	0	9
DartfordE	Swanscombe	7069	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Knockhall Rd	7070	40	0	0	0	0	40	19	0	0	0	0	19	59	0	0	0	0	59
DartfordE	Swanscombe	7071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Crossways	7083	0	12	0	0	0	12	0	52	0	0	0	52	0	64	0	0	0	64
DartfordE	Crossways	7084	18	94	0	0	0	112	9	442	0	0	0	451	27	536	0	0	0	563
DartfordE	Crossways	7085	0	204	0	0	0	204	0	243	0	0	0	243	0	447	0	0	0	447
DartfordE	Bluewater	7086	0	0	549	0	0	549	0	0	513	0	0	513	0	0	1061	0	0	1061
DartfordE	Hedge Place Road	7087	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone Castle	7088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	St Clements Lake	7089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Bean	7090	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Darenth Valley Hosp	7091	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Northfleet Sub - Ackers Drive	7092	168	0	0	0	0	168	78	0	0	0	0	78	245	0	0	0	0	245
DartfordE	A296- EQ access	7093	441	0	70	21	51	583	310	0	76	14	54	454	752	0	146	34	105	1037
DartfordE	Pilgrims Rd (proxy for Manor Way)	7094	247	3	0	0	0	250	113	14	0	0	0	127	360	17	0	0	0	377
DartfordE	Swanscombe (Craylands Lane)	7095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	International Way (from A2260)	7096	0	67	0	0	0	67	0	401	0	0	0	401	0	468	0	0	0	468
DartfordE	A226 Ebbsfleet Car Park	7097	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	A2260 access from Springhead	7098	262	27	51	16	0	356	161	160	56	11	0	388	422	187	108	27	0	744
DartfordE	International Way ((from rbt)	7099	175	40	175	46	437	873	108	241	191	31	281	850	283	281	366	77	717	1724
DartfordE	Castle Hill Drive	7100	434	11	37	26	0	508	201	88	40	16	0	346	634	100	77	42	0	854
DartfordE	Council Rd-College Ave	7101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Alkerden Lane	7118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Greenhithe/Ingress Park	7119	6	0	0	0	0	6	3	0	0	0	0	3	9	0	0	0	0	9
DartfordE	Bob Dunn Way E	7182	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Bob Dunn Way W	7183	0	1174	0	0	0	1174	0	1491	0	0	0	1491	0	2665	0	0	0	2665
DartfordW	Hythe St (N)	7184	0	57	45	0	0	103	0	68	49	0	0	118	0	126	95	0	0	220
DartfordW	Temple Hill	7185	1	0	0	0	0	1	1	0	0	0	0	1	2	0	0	0	0	2
DartfordW	Temple Hill	7186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	St Albans Rd	7187	1	0	0	0	0	1	1	0	0	0	0	1	3	0	0	0	0	3
DartfordW	Pilgrims Way	7188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Brent Lane	7189	14	0	0	0	0	14	11	0	0	0	0	11	25	0	0	0	0	25
Dartford S	Hawley	7190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Wilmington	7191	2	0	0	0	0	2	1	0	0	0	0	1	3	0	0	0	0	3
DartfordW	Heath Lane (Lower)	7192	67	0	0	0	0	67	39	0	0	0	0	39	106	0	0	0	0	106
DartfordW	Brooklands	7193	0	45	0	0	0	45	0	107	0	0	0	107	0	152	0	0	0	152
DartfordW	South of Princes Rd	7194	2	0	0	0	0	2	2	0	0	0	0	2	4	0	0	0	0	4
DartfordW	Burnham Rd	7195	79	0	0	0	0	79	46	0	0	0	0	46	125	0	0	0	0	125
Dartford S	Joyden Wood	7196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC West	7197	58	0	0	0	0	58	34	0	0	0	0	34	93	0	0	0	0	93
DartfordW	Heath Lane (Upper)	7198	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC North	7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC South	7501	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford E	Ingress Park	7502	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford E	EQ West Village	8005	612	11	70	48	0	742	283	88	76	31	0	479	895	100	146	79	0	1221