

Note in Response to ID37: East Hill Development

1. This note is prepared in response to the Appellant's note ID37 "East Hill Development MC/19/0765" (15/04/2021). It is provided to enable the Inspector to understand the context for, and content of, the highways assessment in that application.
2. In particular, the Council draws attention to the following:
 - a. The proposal was subject to an assessment using the Medway Aimsun Model ('MAM') at a relatively early stage in the application process. See the attached Technical Note produced by SWECO entitled 'North Dane Way Link Road and Proposed Development (28 March 2019)'.
 - b. This assessment was undertaken because the applicant in that case obtained a licence to use the MAM in their transport assessment, and commissioned SWECO to undertake the modelling work. As the TA explains "*Sweco UK Ltd were instructed by the applicant to undertake the modeling work to ensure independence in the process and in order to take advantage of their experience on the modelling work being undertaken on behalf of MC*" (para 6.1.2). This is in accordance Medway's TA Guidance Note (Jarvis Proof, Appendix A).
 - c. Crucially - and in complete contrast to the current proposals - the MAM assessment concluded that the proposal would result in a net betterment in terms of the local network statistics as compared to the reference case. As the summary in the SWECO Technical Note explained:

"the network statistics of the employed cordoned network highlight that even though an overall increase in vehicles is forecast in the study area, a reduction in total travel time and total travel distance is achieved in the Do-Something scenario compared to the Do-Minimum scenario. Moreover, the reduced overall delay time in the Do-something compared to the Do-minimum scenario in both AM and PM suggests that there will be less congestion in the network." (p10)
 - d. There was a net betterment despite the increase in vehicular trips on the local network because a key element of the East Hill Development proposal is to provide a new east-west link road through the site (see SWECO Technical Note, Figure 2-1-1, p5). As the TA explains:

“...the with development scenario also includes the proposed highway infrastructure in the form of a link road between North Dane Way and Capstone Road/Pear Tree Lane. This was anticipated and proposed to provide improvements to the operation of the local network, and this is reflected in the overall model performance outputs...This demonstrates that the infrastructure is providing betterment to the operation of the network that in overall terms, compensates or mitigates the impact of the development with residential benefits” (para 6.2.2)

- e. The results of the MAM assessment on the local highway network were relied on by both the applicant in support of the application (in the TA), and the Council when determining the application (in the Officer’s Report). This is complete contrast to the approach of the Appellant in this case, who have decided not to commission a MAM assessment, and have (on erroneous grounds) repeatedly criticised the reliability of the MAM assessment undertaken by the Council.
 - f. It is against that very different context (not acknowledged in ID37) that the TA also went onto to provide individual junction models (Arcady, Picady and Linsig) of junctions.
3. In addition, it is of relevance that the MAM trip generation for the East Hill Development proposal is significantly lower than for the Appeal Scheme. For the Appeal Scheme the MAM-derived trip generation is: AM Peak - 799 two-way; PM Peak - 803 two-way. For the East Hill Development the MAM-derived trip generation was: AM Peak - 545 two-way (68% of Appeal Scheme); PM Peak - 421 two-way (52% of Appeal Scheme).

16 April 2021

NORTH DANE WAY LINK ROAD AND PROPOSED DEVELOPMENT
Version 1



28TH MARCH 2019

SWECO UK LIMITED

ANNABEL DODD

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1. Introduction

Charles & Associates commissioned Sweco to undertake transport modelling using the Medway traffic model which will assist in the decision-making process of the proposed new development at North Dane Way in Hempstead. This technical note will outline the impact of the proposed development and the new link road, between North Dane Way and Capstone Road, on the local road network. The note outlines plans to develop residential housing east of North Dane Way which will include 800 dwellings, a primary school, four shops and the inclusion of two GP surgeries. The location of the new development can be seen in Figure 1-1 and the plans for this development can be seen in Figure 1-2.

This technical note is comprised of the following sections:

- **Section 2** – Provides a description of the existing traffic model as well as the adopted methodology and scenarios.
- **Section 3** – Outlined the results of the modelling work
- **Section 4** – Provides an overall summary of the work

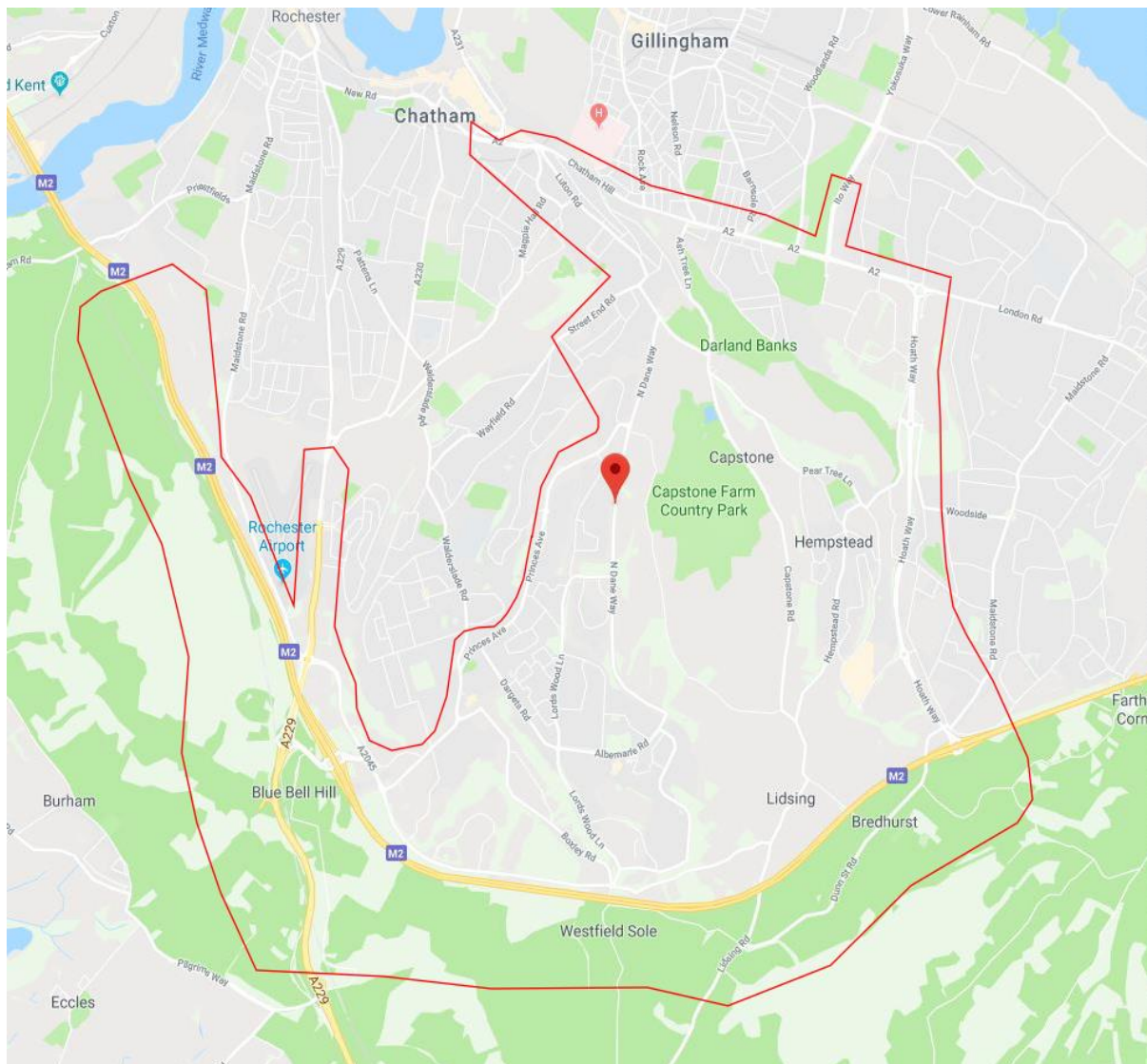


Figure 1-1. Map of Hempstead highlighting the location of the new development



Figure 1-2 Plans for the new development site

2. Methodology

2.1 Medway Model and examined scenarios

The Medway Aimsun Highway Model (MAHM) has been used for the analysis of the impact of the North Dane Way development. The MAHM covers in detail the whole of the Medway local authority area as well as parts of Gravesham, Tonbridge and Malling, Maidstone and Swale, providing an appropriate study area to assess the impact of various interventions and development plans on the local road network.

The calibrated and validated MAHM base model represents a 2016 base year and has three forecast year Reference Case scenarios representing 2023, 2028, and 2035 which have been used for the Local Plan Strategic Transport Assessment (STA). These Reference Case scenarios were based on the following:

- Using the 2016 - base highway demand calibrated against survey counts as a starting point.
- Adding future year committed land use developments (agreed by Medway Council) and the resultant change in highway trips.
- Allowing for wider regional background trip growth using DfT's National Trip End Model (Tempo).

Medway council is preparing a new local plan to provide direction on the future growth of the area and to provide land for housing, employment, infrastructure and services. The Hybrid model include the most up to date assumption with regard Medway local plan and is built upon the Reference Case model, but with the inclusion of the local plan development sites in the demand matrices. Also, non-committed highway network changes related to the draft Local Plan Developments are also coded into the Aimsun model these are mainly development access schemes. The hybrid (local plan) scenario is used as a benchmark to compare and assess the impact of the East Hill development and the new link road between North Dane Way and Capstone Road.

Two scenarios are investigated in the context of this project:

- 1) The Do-Minimum scenarios which are based on the existing local development
- 2) The Do-Something scenario which includes the new development planned to be located east of North Dane Way and the new link road between North Dane Way and Capstone Road including associated mitigations.

Specifically, the proposed access design includes a new spine road which is connected to Prince Avenue roundabout to the west and to the Hale roundabout to the east while Capstone Road forms a T junction with the new link road. The Aimsun coding of the new link road can be seen in Figure 2.1-1.

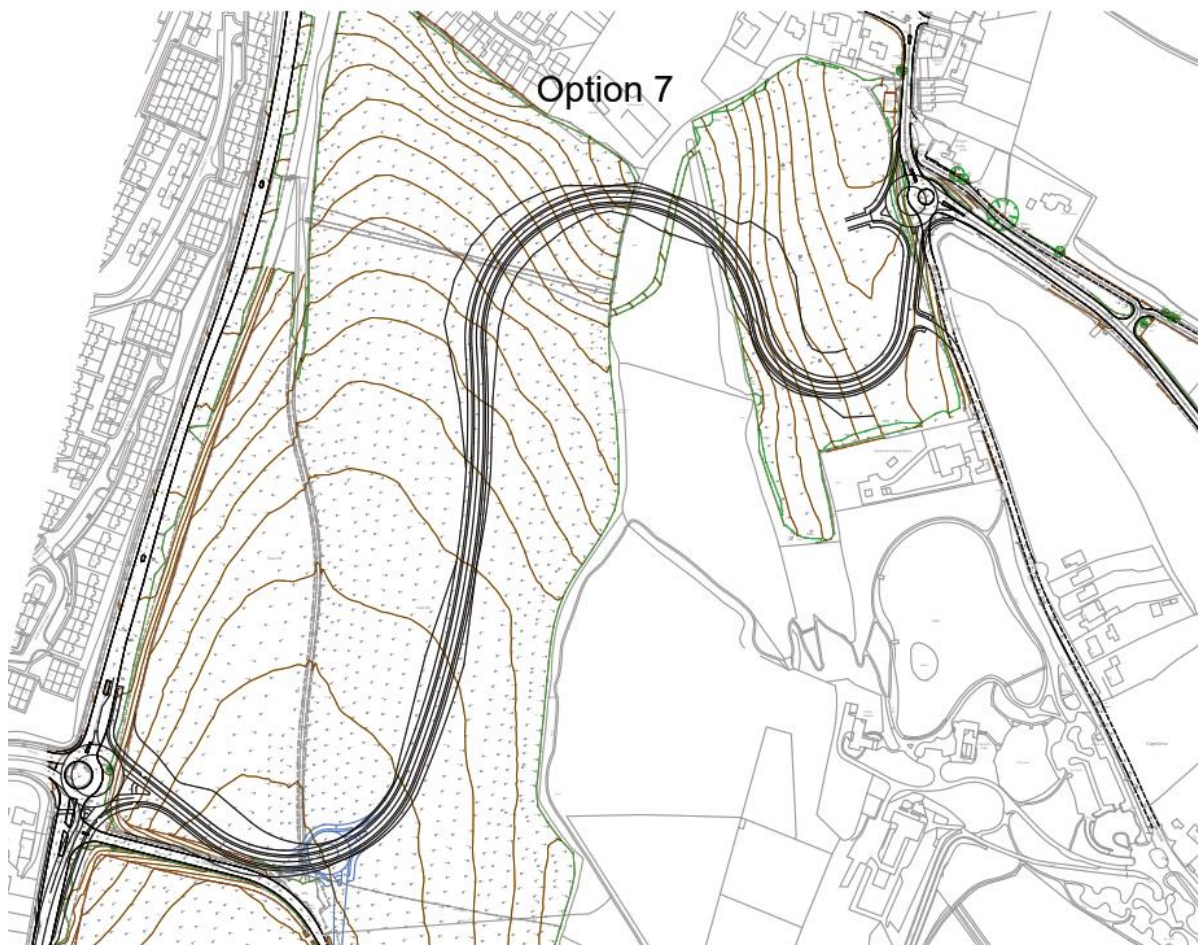


Figure 2.1-1 Development and New Link between Capstone Road and North Dane Way

The additional development is set to increase traffic flow at surrounding network due to the development up to 800 dwellings, a doctor surgery for up to 8 GPs , 2FE primary school and 4 shops. Table 2.1-1 presents assumed trip generation from the proposed development. Trips generated by the additional shops are not included in the model.

Table 2.1-1 Showing assumed trip generation.

		AM Peak		PM Peak	
		Arrivals	Departures	Arrivals	Departures
Medical Centre	Trip generation	15	7	13	18
Residential	Trip Generation	301	106	123	254
Primary School	Trip Generation	50	66	8	5

2.2 Simulation Area and methodology

The strategic MHAM is utilised to run the static assignment for each one of the above scenarios (DM and DS) and to identify the future years conditions in the network. However, to have a more detailed view of the impact of the proposed intervention in the study area, the network is cordoned, and microscopic simulations are undertaken for the subnetwork illustrated in Figure 2.2-1.

The demand for the cordoned network consists of hourly matrices while a 30-minute warm up and cool down period has been utilised. Due to the stochastic nature of the microscopic simulations, a set of five replications are utilised in order to produce a reliable average.



Figure 2.2-1. Cordoned network

3. Results

The performance of the model has been investigated using the network statistics for both DM and DS scenarios. The results represent an average over the 5 replications with different random seeds simulated for AM and PM. Additionally, the simulated flows for key junctions (see Figure 5 *Map showing the sites where turn flows were collected*) of the network have been extracted and they are included in the Appendix (Table 1 *Turn Flow results for AM Do-Minimum and Do-Something* and Table 2 *Turn Flow results for PM Do-Minimum and Do-Something*).

The Do-Something scenario is seen to have a higher input count than the Do-Minimum which accounts for increased traffic in the network generated from the new development. Table 3-1 shows a reduction in total travel time as well as total travel distance in the Do-Something scenario. The delay time in the Do-something is also lower than the Do-minimum for both AM and PM peaks. These changes are most likely a result of the new link road implemented between Pear Tree Lane and North Dane Way.

Table 3-1 Network Performance Statistics

Statistic							
	Delay (sec)	Input Count (veh)	Total Travel Time (Hrs)	Total Travel Distance (Km)	Average time per vehicle (sec/veh)	Waiting time virtual queue (sec/veh)	Total time per vehicle (sec/veh)
<i>AM Peak Hour</i>							
Do-Minimum	107	41590	7626	240736	660	123	783
Do-Something	101	42206	7544	239529	643	108	751
<i>PM Peak Hour</i>							
Do-Minimum	106	46844	8460	275753	650	197	847
Do-Something	97	47260	8431	272543	643	186	829

The proposed development is not expected to have a negative impact on the road network. Figure 3-1 to Figure 3-4 show that the traffic conditions follow the same pattern between the Do-Something and Do-Minimum scenarios. Increased traffic density is observed along Ash Tree Lane and Beacon Road in the Do-Something scenario in the PM peak period as well as along Pear Tree Lane as illustrated in Figure 3-3. However, Capstone Road to North Dane Way is seen to have significantly reduced flows in the Do-Something PM compared to the Do-Minimum PM scenario, as indicated in Figure 3-2 and Figure 3-4. This is a result of the inclusion of the new link road alleviating traffic on Capstone road.

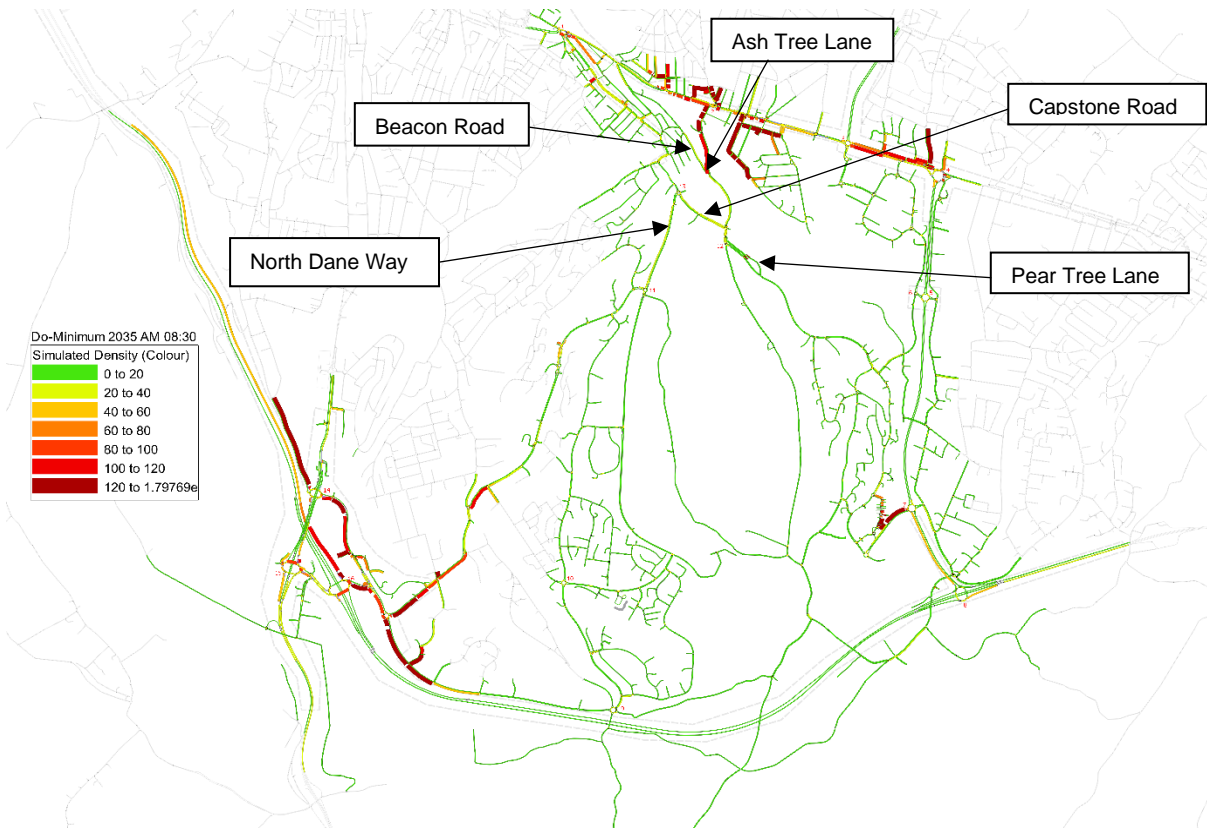


Figure 3-1 Do-Minimum AM Operational Network showing simulated density at 08:30

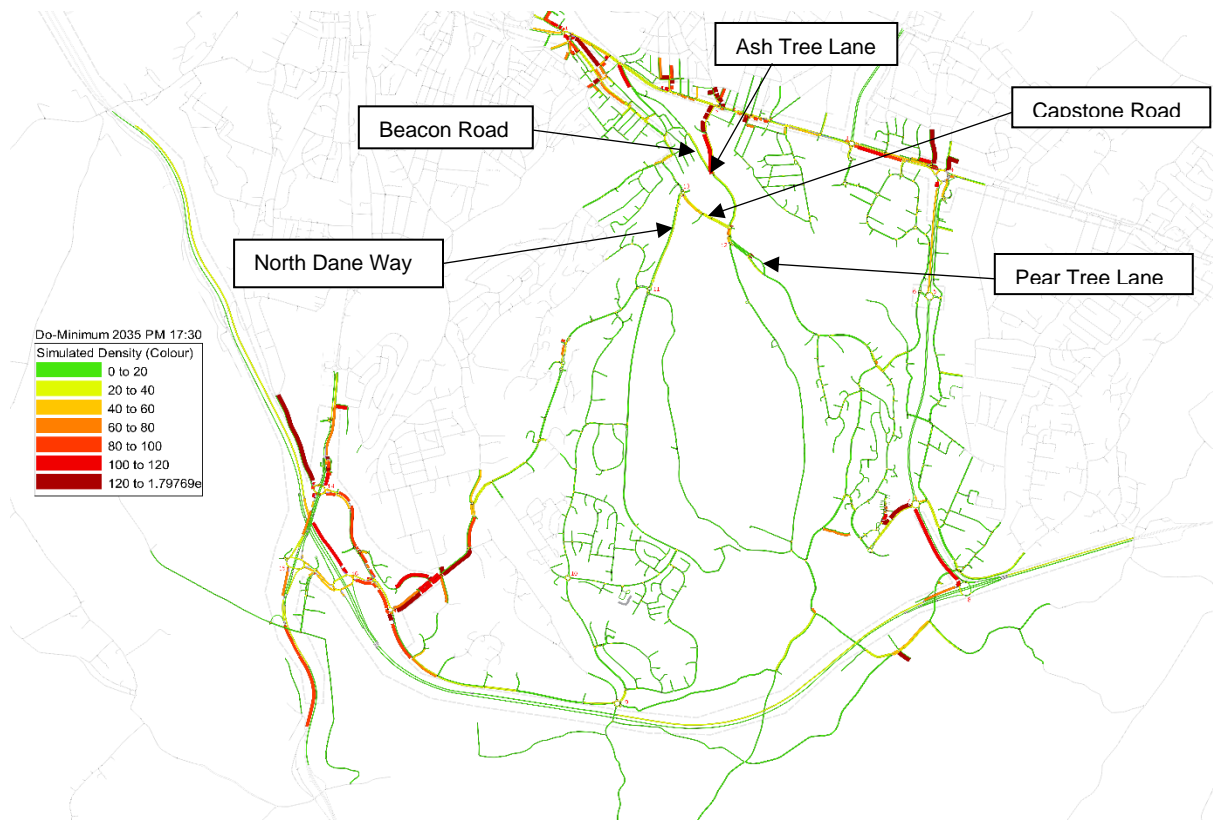


Figure 3-2 Do-Minimum PM Operational Network showing simulated density at 17:30

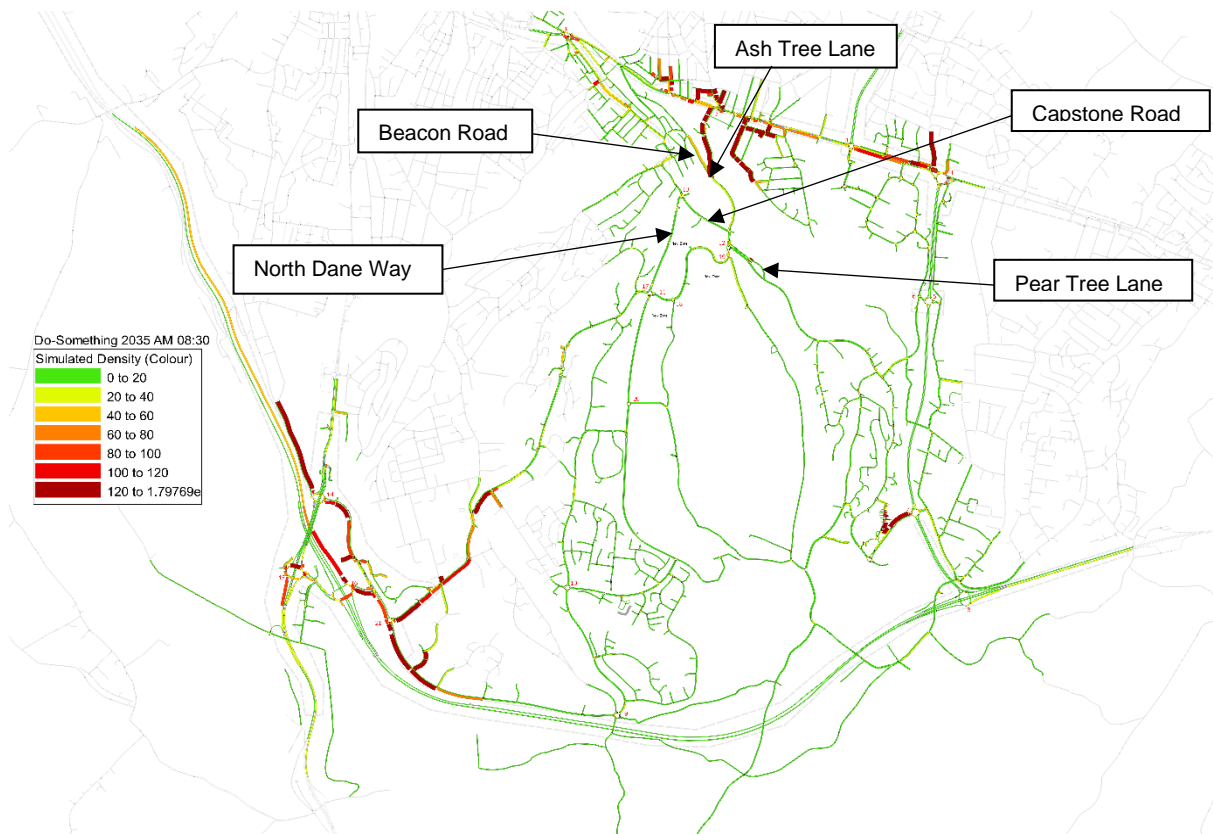


Figure 3-3 Do-Something AM Operational Network showing simulated density at 08:30

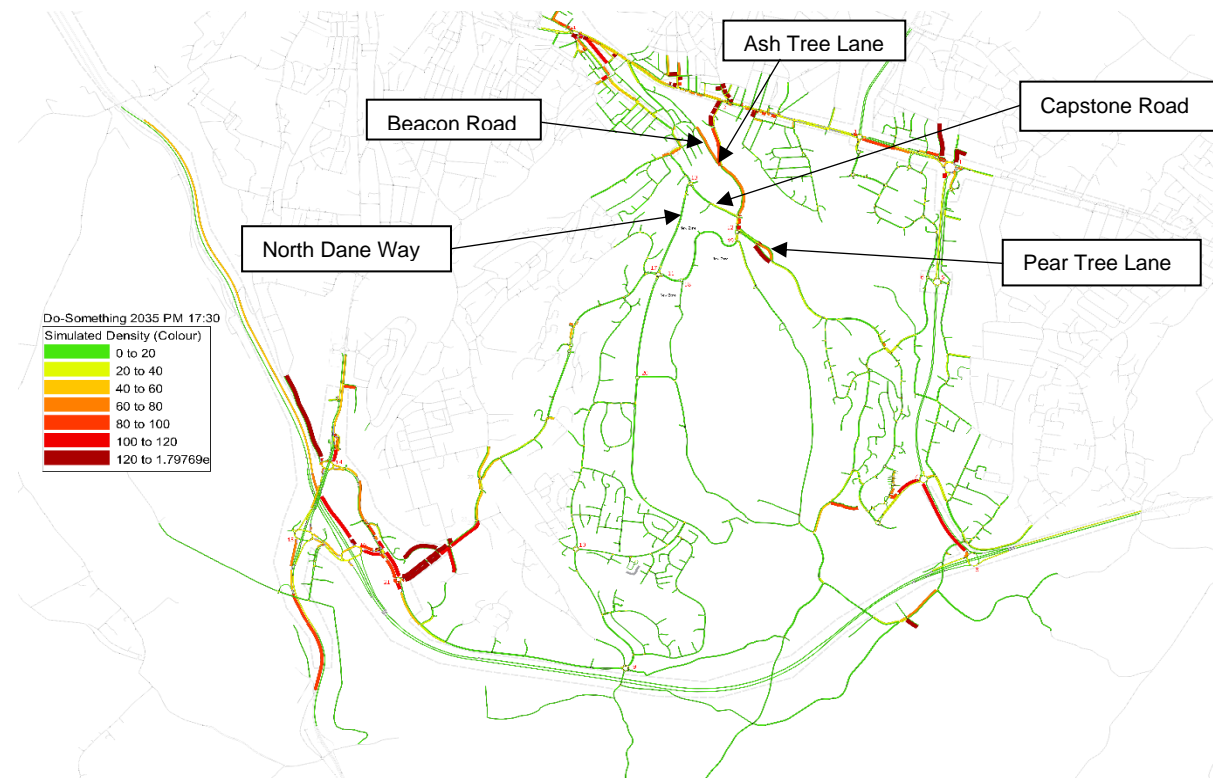


Figure 3-4 Do-Something PM Operational Network showing simulated density at 17:30

4. Summary

This technical note summarises the operational assessment of the proposed new development east of North Dane Way. The assessment helps to identify the impact of the development on the local road network using microscopic simulations undertaken in the Medway Aimsun model. Considerations should be given to the increased traffic in Pear Tree Lane, Capstone Road and Beacon Lane between the Do-Minimum PM and the Do-Something PM. However, the network statistics of the employed cordoned network highlight that even though an overall increase in vehicles is forecast in the study area, a reduction in total travel time and total travel distance is achieved in the Do-Something scenario compared to the Do-Minimum scenario. Moreover, the reduced overall delay time in the Do-something compared to the Do-minimum scenario in both AM and PM suggests that there will be less congestion in the network.

Appendix

Appendix A1 - Figures presenting Do-Minimum Simulated Flows

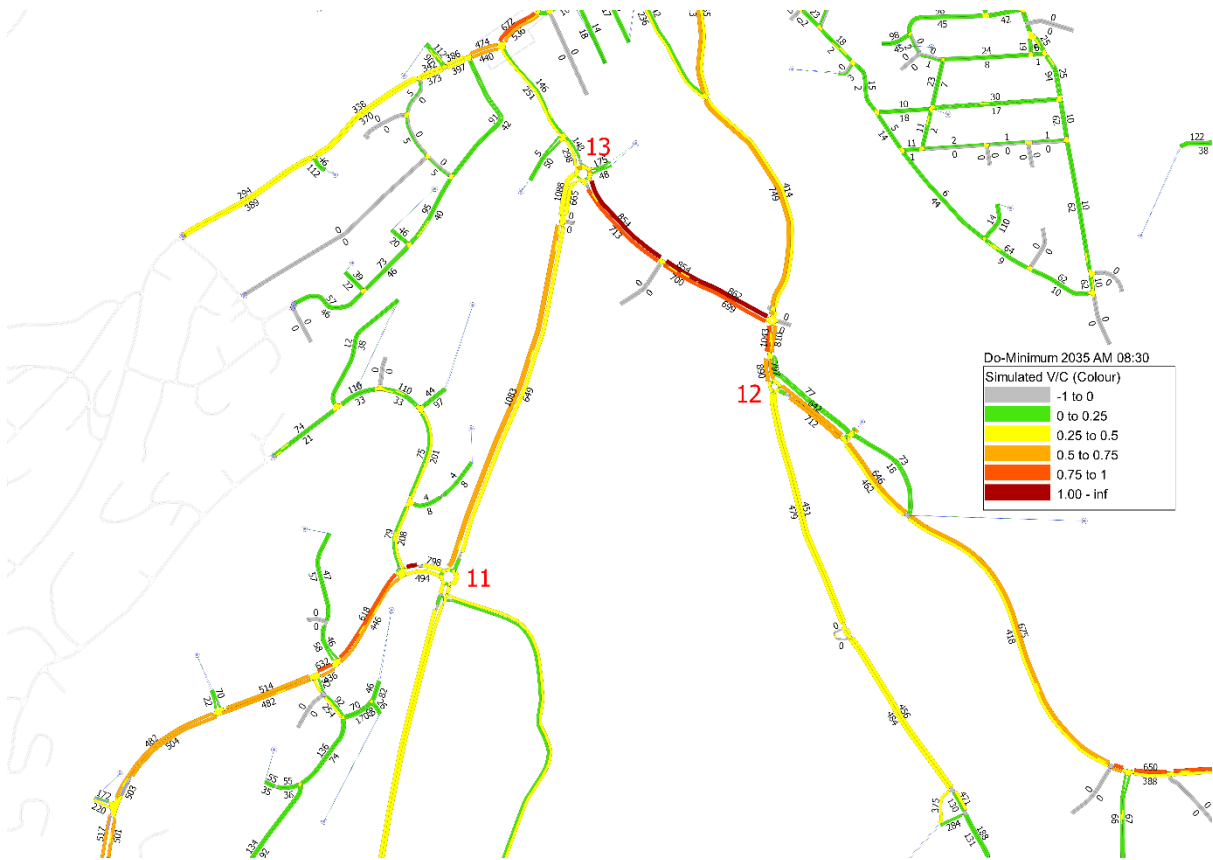
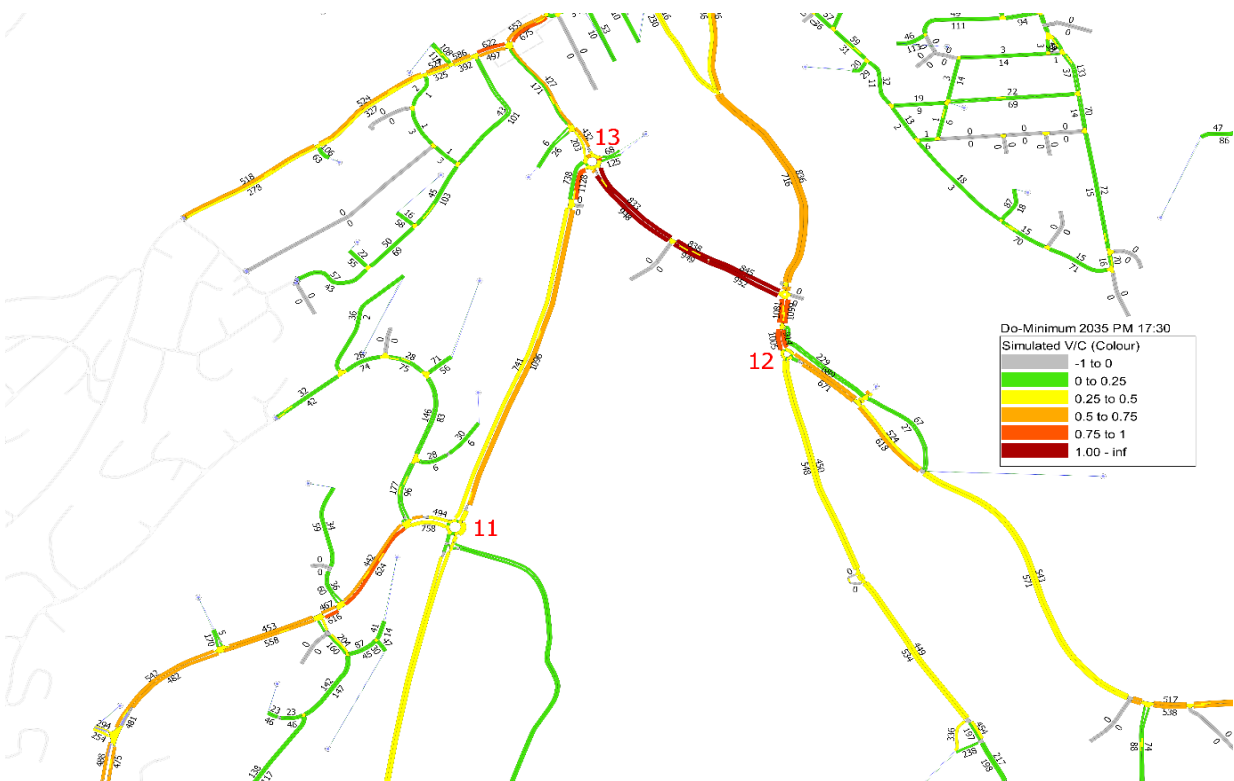


Figure 1 Do-Minimum simulated flows AM peak: 08:30



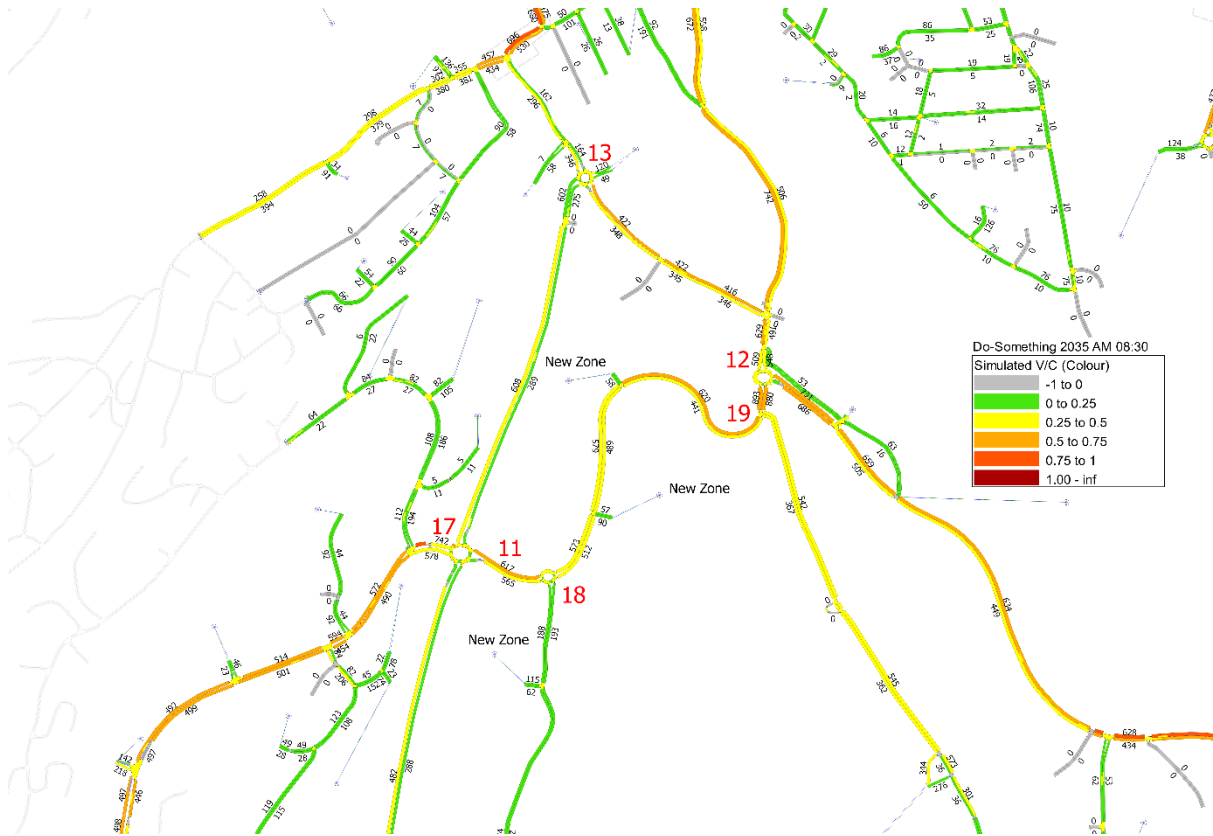


Figure 2 Do-Something Simulated Flows PM Peak: 17:30

Figure 3 Do-Something simulated flows AM peak: 08:30

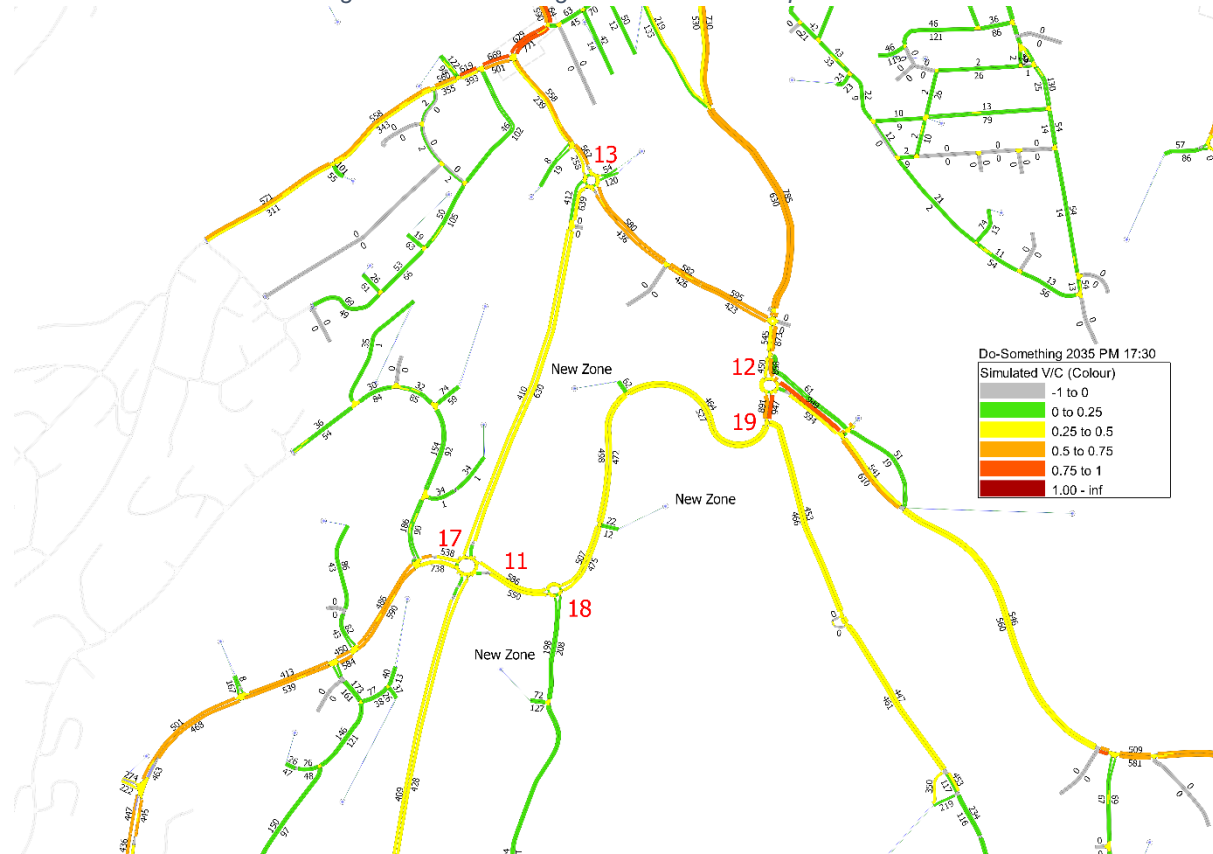


Figure 0 Do-Something simulated flows PM peak: 17:30



Figure 5 Map showing the sites where turn flows were collected

Table 1 Turn Flow results for AM Do-Minimum and Do-Something

Junction Name	Approach Name	Movement	AM Do-Minimum					AM Do-Something				
			Cars	LGVs	HGVs	Buses	Total	Cars	LGVs	HGVs	Buses	Total
1. Magpie Hall Road/A2 New Road/A2 Chatham Hill	High Street	High Street	2.6	0.0	0.0	0.0	2.6	1.8	0.0	0.0	0.0	1.8
	High Street	Chatham Hill	193.6	22.0	3.0	46.0	264.6	189.6	17.8	5.6	32.0	245.0
	High Street	Magpie Hall Road	138.2	11.2	3.6	6.0	159.0	129.6	12.0	1.6	6.0	149.2
	High Street	New Road	21.8	2.8	3.4	0.0	28.0	16.4	1.8	2.0	0.0	20.2
	Chatham Hill	Chatham Hill	473.4	34.6	1.8	0.0	509.8	468.8	30.8	0.8	0.0	500.4
	Chatham Hill	New Road	954.4	94.2	17.4	0.0	1066.0	936.8	93.0	13.8	0.0	1043.6
	Chatham Hill	High Street	49.2	1.8	2.4	42.8	96.2	50.8	0.8	2.4	30.0	84.0
	New Road	New Road	20.2	0.6	0.0	0.0	20.8	22.2	0.4	0.4	0.0	23.0
	New Road	High Street	17.4	0.0	0.2	0.0	17.6	32.0	0.8	0.0	0.0	32.8
	New Road	Chatham Hill	465.4	52.2	18.8	0.0	536.4	477.8	52.0	19.2	0.0	549.0
	New Road	Magpie Hall Road	306.2	12.0	3.0	0.0	321.2	300.6	13.4	2.0	0.0	316.0
2. Ash Tree Lane/A2 Rainham Road/A2 Watling Street	Rainham Road (shops)	Rainham Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Watling Street	Ash Tree Lane	108.8	8.4	1.0	0.0	118.2	99.6	6.2	2.6	0.0	108.4
	Watling Street	Rainham Road	661.4	74.2	10.8	5.0	751.4	674.0	67.0	12.8	5.0	758.8
	Watling Street	Canterbury Street	208.4	17.2	16.0	4.0	245.6	205.4	19.6	15.0	4.0	244.0
	Rainham Road	Canterbury Street	77.6	9.0	1.2	0.0	87.8	95.4	8.4	0.0	0.0	103.8
	Rainham Road	Watling Street	366.8	36.8	2.8	12.0	418.4	373.4	34.0	1.8	12.4	421.6
	Canterbury Street	Watling Street	262.8	19.2	7.0	5.0	294.0	248.0	21.0	9.0	5.0	283.0
	Canterbury Street	Rainham Road	10.6	0.2	0.2	0.0	11.0	1.8	0.4	0.0	0.0	2.2
	Ash Tree Lane	Rainham Road	249.8	14.4	3.8	0.0	268.0	255.2	9.6	3.6	0.0	268.4
	Ash Tree Lane	Watling Street	133.8	19.4	2.2	0.0	155.4	145.8	19.2	2.6	0.0	167.6
3. A289 Ito Way/Will Adams Way/A2 Sovereign Boulevard (Will Adams Roundabout)	Ito Way	Ito Way	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ito Way	Sovereign Boulevard East	492.8	43.4	13.2	0.0	549.4	482.2	35.2	19.6	0.0	537.0
	Ito Way	Will Adams Way	323.0	13.0	5.6	0.0	341.6	311.4	14.8	10.0	0.0	336.2
	Ito Way	Sovereign Boulevard West	156.8	24.8	3.0	0.0	184.6	169.4	26.8	1.4	0.0	197.6
	Sovereign Boulevard East	Sovereign Boulevard East	22.2	2.6	0.6	0.0	25.4	22.0	5.2	0.4	0.0	27.6
	Sovereign Boulevard East	Will Adams Way	5.2	0.8	0.0	0.0	6.0	2.6	1.2	0.0	0.0	3.8
	Sovereign Boulevard East	Sovereign Boulevard West	786.6	78.0	33.4	9.0	907.0	786.4	83.0	29.8	9.0	908.2
	Sovereign Boulevard East	Ito Way	669.6	157.6	30.0	0.0	857.2	626.0	162.0	36.0	0.0	824.0
	Will Adams Way	Will Adams Way	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Will Adams Way	Sovereign Boulevard West	208.2	28.0	6.0	0.0	242.2	234.4	17.0	8.6	0.0	260.0
	Will Adams Way	Ito Way	211.8	26.8	7.0	0.0	245.6	234.2	35.2	4.4	0.0	273.8
	Will Adams Way	Sovereign Boulevard East	61.0	8.4	1.4	0.0	70.8	74.2	11.4	3.8	0.0	89.4
	Sovereign Boulevard West	Sovereign Boulevard West	0.4	0.6	0.0	0.0	1.0	0.0	0.2	0.0	0.0	0.2
	Sovereign Boulevard West	Ito Way	166.6	16.4	5.4	0.0	188.4	161.0	14.0	5.0	0.0	180.0
	Sovereign Boulevard West	Sovereign Boulevard East	811.8	55.4	13.2	16.4	896.8	804.0	62.0	17.0	16.0	899.0

	Sovereign Boulevard West	Will Adams Way	305.2	35.6	3.0	0.0	343.8	308.6	37.4	4.6	0.0	350.6
4. A278 Hoath Way/A2 London Road (Bowaters Roundabout)	Twydall Lane	Twydall Lane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Twydall Lane	London Road	23.8	1.8	1.0	0.0	26.6	22.4	3.0	0.4	0.0	25.8
	Twydall Lane	Courteney Road	27.6	1.4	0.8	4.0	33.8	25.2	1.2	1.4	4.0	31.8
	Twydall Lane	Hoath Way	257.4	16.8	2.6	0.0	276.8	252.2	11.8	0.6	0.0	264.6
	Twydall Lane	Sovereign Boulevard	85.4	2.6	2.0	0.0	90.0	72.8	2.2	0.4	0.0	75.4
	Courteney Road	Courteney Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Courteney Road	Hoath Way	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	1.8
	Courteney Road	Sovereign Boulevard	119.6	14.2	7.0	4.0	144.8	122.0	21.6	7.8	4.0	155.4
	Courteney Road	Twydall Lane	32.0	4.6	0.6	4.0	41.2	39.6	2.0	1.0	4.0	46.6
	Courteney Road	London Road	30.4	8.8	1.4	0.0	40.6	29.2	10.6	2.2	0.0	42.0
	London Road	London Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	London Road	Courteney Road via roundabout	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	London Road	Courteney Road left turn slip	126.0	12.6	5.0	0.0	143.6	119.6	14.2	6.6	0.0	140.4
	London Road	Hoath Way	304.4	24.6	5.6	0.0	334.6	274.2	29.6	6.0	0.0	309.8
	London Road	Sovereign Boulevard	520.2	61.0	24.4	0.0	605.6	544.8	66.4	20.2	0.0	631.4
	London Road	Twydall Lane	9.2	0.4	1.8	0.0	11.4	7.0	0.4	0.8	0.0	8.2
	Hoath Way	Hoath Way	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Hoath Way	Sovereign Boulevard	818.6	167.4	31.2	0.0	1017.2	754.6	169.8	35.0	0.0	959.4
	Hoath Way	Twydall Lane	297.8	28.4	3.8	0.0	330.0	282.4	25.8	4.2	0.0	312.4
	Hoath Way	London Road	236.2	38.2	11.0	0.0	285.4	230.6	34.4	8.8	0.0	273.8
	Hoath Way	Courteney Road	236.2	38.2	11.0	0.0	285.4	230.6	34.4	8.8	0.0	273.8
	Sovereign Boulevard	Sovereign Boulevard	55.2	5.2	0.4	0.0	60.8	55.4	2.2	0.2	0.0	57.8
	Sovereign Boulevard	Twydall Lane via filter lane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sovereign Boulevard	Twydall Lane via roundabout	71.6	1.6	0.6	0.0	73.8	56.0	5.0	0.6	0.0	61.6
Sovereign Boulevard	London Road	441.0	21.6	11.6	0.0	474.2	450.4	28.4	14.2	0.0	493.0	
Sovereign Boulevard	Courteney Road	257.4	16.4	3.6	0.0	277.4	263.4	16.8	3.2	0.0	283.4	
Sovereign Boulevard	Hoath Way	751.0	91.2	19.0	0.0	861.2	692.8	77.0	25.8	0.0	795.6	
5. A278 Hoath Way/Hoath Way links (to Courteney Road roundabout and Ambley Road roundabout)	Hoath Way North	Hoath Way North	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Hoath Way North	Hoath Way Eastern Link	126.4	1.6	0.8	0.0	128.8	126.0	0.8	0.2	0.0	127.0
	Hoath Way North	Hoath Way South	1046.2	131.8	23.2	0.0	1201.2	958.2	118.4	31.8	0.0	1108.4
	Hoath Way North	Hoath Way Western Link	190.4	3.8	4.4	0.0	198.6	186.4	5.0	0.8	0.0	192.2
	Hoath Way Eastern Link	Hoath Way Eastern Link	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Hoath Way Eastern Link	Hoath Way South	11.6	6.2	1.0	0.0	18.8	15.2	8.0	3.4	0.0	26.6
	Hoath Way Eastern Link	Hoath Way Western Link	40.0	3.0	0.2	0.0	43.2	41.2	3.4	1.2	0.0	45.8
	Hoath Way Eastern Link	Hoath Way North	199.4	27.2	17.0	0.0	243.6	211.4	30.2	19.2	0.0	260.8
	Hoath Way South	Hoath Way South	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Hoath Way South	Hoath Way Western Link	180.2	52.2	13.4	0.0	245.8	192.0	48.8	12.0	0.0	252.8
	Hoath Way South	Hoath Way North	935.4	177.4	20.6	0.0	1133.4	837.6	172.2	23.0	0.0	1032.8
	Hoath Way South	Hoath Way Eastern Link	17.8	12.2	4.0	0.0	34.0	18.4	7.0	4.2	0.0	29.6
	Hoath Way Western Link	Hoath Way Western Link	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

	Hoath Way Western Link	Hoath Way North	202.8	25.8	7.0	0.0	235.6	201.0	24.8	5.2	0.0	231.0
	Hoath Way Western Link	Hoath Way Eastern Link	71.2	6.8	1.0	0.0	79.0	62.4	5.4	0.2	0.0	68.0
	Hoath Way Western Link	Hoath Way South	110.2	27.6	4.4	0.0	142.2	99.8	36.2	3.8	0.0	139.8
6. A278 Hoath Way/Ambley Road/Hempstead Road	Ambley Road	Ambley Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ambley Road	Hoath Way Western Link	116.0	19.8	5.0	0.0	140.8	99.4	24.4	3.6	0.0	127.4
	Ambley Road	Hempstead Road	45.4	2.2	3.6	0.0	51.2	40.6	3.8	3.4	0.0	47.8
	Hoath Way Western Link	Hoath Way Western Link	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Hoath Way Western Link	Hempstead Road	238.4	3.8	4.4	0.0	246.6	245.8	5.6	1.6	0.0	253.0
	Hoath Way Western Link	Ambley Road	173.8	55.6	13.6	0.0	243.0	174.8	51.6	12.6	0.0	239.0
	Hempstead Road	Hempstead Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Hempstead Road	Ambley Road	64.8	12.2	4.2	0.0	81.2	59.0	15.6	3.6	0.0	78.2
	Hempstead Road	Hoath Way Western Link	266.0	39.6	7.4	0.0	313.0	261.4	41.2	5.6	0.0	308.2
7. A278 Hoath Way/Sharsted Way/Wigmore Road	Hoath Way North	Hoath Way North	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Hoath Way North	Wigmore Road	157.2	0.8	0.0	0.0	158.0	145.6	0.0	0.0	0.0	145.6
	Hoath Way North	Hoath Way South	941.8	167.8	30.2	0.0	1139.8	842.6	166.8	39.8	0.0	1049.2
	Hoath Way North	Sharsted Way	83.6	0.2	0.0	0.0	83.8	102.4	0.0	0.0	0.0	102.4
	Wigmore Road	Wigmore Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Wigmore Road	Hoath Way South	343.4	126.4	42.6	0.0	512.4	359.2	118.6	40.4	0.0	518.2
	Wigmore Road	Sharsted Way	94.8	1.8	1.2	19.4	117.2	110.8	1.0	0.0	19.2	131.0
	Wigmore Road	Hoath Way North	23.8	0.4	0.6	0.0	24.8	24.4	1.2	1.2	0.0	26.8
	Hoath Way South	Hoath Way South	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Hoath Way South	Sharsted Way	381.4	45.6	10.2	0.0	437.2	357.6	44.4	6.8	0.0	408.8
	Hoath Way South	Hoath Way North	1034.0	223.8	30.6	0.0	1288.4	960.4	216.2	32.0	0.0	1208.6
	Hoath Way South	Wigmore Road	199.2	101.2	59.2	0.0	359.6	201.0	101.6	55.8	0.0	358.4
	Sharsted Way	Sharsted Way	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sharsted Way	Hoath Way North	20.6	2.8	3.4	0.0	26.8	23.4	0.6	3.4	0.0	27.4
	Sharsted Way	Wigmore Road	97.6	0.8	1.0	13.0	112.4	112.4	2.6	1.6	12.0	128.6
	Sharsted Way	Hoath Way South	532.8	141.2	31.4	0.0	705.4	530.6	134.6	38.0	0.0	703.2
8. A278 Hoath Way/M2, J4	Hoath Way	Hoath Way	0.8	0.0	0.0	0.0	0.8	1.0	0.0	0.0	0.0	1.0
	Hoath Way	M2, J4 on slip east via roundabout	641.2	154.6	51.4	0.0	847.2	624.6	153.0	59.8	0.0	837.4
	Hoath Way	M2, J4 on slip east via left turn slip	89.8	14.4	3.4	0.0	107.6	91.8	14.6	2.6	0.0	109.0
	Hoath Way	M2, J4 on slip west	1230.0	288.4	49.4	0.0	1567.8	1151.0	269.2	56.4	0.0	1476.6
	M2, J4 off slip east	M2, J4 on slip east	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M2, J4 off slip east	M2, J4 on slip west	11.8	2.6	0.2	0.0	14.6	10.8	2.4	0.0	0.0	13.2
	M2, J4 off slip east	Hoath Way	761.4	136.2	10.2	0.0	907.8	741.6	137.8	10.2	0.0	889.6
	M2, J4 off slip west	M2, J4 on slip west	31.0	4.6	0.0	0.0	35.6	26.6	4.6	1.0	0.0	32.2
	M2, J4 off slip west	Hoath Way via roundabout	813.4	229.6	87.8	0.0	1130.8	750.6	218.2	83.6	0.0	1052.4
	M2, J4 off slip west	Hoath Way via left turn slip	5.8	0.4	0.2	0.0	6.4	0.0	0.4	0.0	0.0	0.4
	M2, J4 off slip west	M2, J4 on slip east	1.0	0.6	0.2	0.0	1.8	1.0	0.6	0.0	0.0	1.6
9. A2045 Walderslade Woods/Boxley	Boxley Road	Boxley Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Boxley Road	Lords Wood Lane	34.6	3.0	0.8	0.0	38.4	32.8	6.4	0.6	0.0	39.8

Road/Lords Wood Lane/Westfield Sole Road/Harp Farm Road	Boxley Road	Westfield Sole Road	47.6	0.8	0.0	0.0	48.4	56.8	1.2	0.4	0.0	58.4	
	Boxley Road	Harp Farm Road	20.8	0.0	0.2	0.0	21.0	24.6	0.8	1.4	0.0	26.8	
	Boxley Road	A2045 Walderslade Woods	52.2	2.2	1.4	0.0	55.8	52.6	0.8	0.8	0.0	54.2	
	Lords Wood Lane	Lords Wood Lane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Lords Wood Lane	Westfield Sole Road	113.2	26.2	2.4	0.0	141.8	85.2	14.4	0.4	0.0	100.0	
	Lords Wood Lane	Harp Farm Road	173.6	18.6	10.8	0.0	203.0	179.0	20.0	4.2	0.0	203.2	
	Lords Wood Lane	A2045 Walderslade Woods	453.4	109.4	17.4	0.0	580.2	487.8	98.6	16.4	0.0	602.8	
	Lords Wood Lane	Boxley Road	52.8	14.8	3.0	0.0	70.6	68.0	16.0	6.0	0.0	90.0	
	Westfield Sole Road	Westfield Sole Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Westfield Sole Road	Harp Farm Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Westfield Sole Road	A2045 Walderslade Woods	148.4	8.4	2.6	0.0	159.4	156.6	12.4	2.6	0.0	171.6	
	Westfield Sole Road	Boxley Road	5.6	1.0	1.4	0.0	8.0	22.6	0.6	0.4	0.0	23.6	
	Westfield Sole Road	Lords Wood Lane	209.6	23.0	7.8	0.0	240.4	193.4	16.8	9.2	0.0	219.4	
	Harp Farm Road	Harp Farm Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Harp Farm Road	A2045 Walderslade Woods	52.6	13.6	3.6	0.0	69.8	60.8	13.6	4.8	0.0	79.2	
	Harp Farm Road	Boxley Road	8.0	0.6	1.2	0.0	9.8	9.4	0.4	1.2	0.0	11.0	
	Harp Farm Road	Lords Wood Lane	65.2	13.2	7.8	0.0	86.2	73.0	13.0	9.0	0.0	95.0	
	Harp Farm Road	Westfield Sole Road	0.2	0.0	0.0	0.0	0.2	2.2	0.4	0.0	0.0	2.6	
	A2045 Walderslade Woods	A2045 Walderslade Woods	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	A2045 Walderslade Woods	Boxley Road	95.8	10.0	3.6	0.0	109.4	106.8	5.4	3.0	0.0	115.2	
	A2045 Walderslade Woods	Lords Wood Lane	324.0	84.4	19.8	0.0	428.2	321.4	107.8	22.2	0.0	451.4	
	A2045 Walderslade Woods	Westfield Sole Road	249.6	10.8	7.0	0.0	267.4	201.6	12.4	3.2	0.0	217.2	
	A2045 Walderslade Woods	Harp Farm Road	16.2	23.0	3.2	0.0	42.4	14.2	23.0	4.0	0.0	41.2	
	10. Lords Wood Lane/Albemarle Road/Dargets Road	Lords Wood Lane North	Lords Wood Lane North	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Lords Wood Lane North	Albemarle Road	28.8	1.6	1.2	13.0	44.6	28.6	2.2	0.0	13.0	43.8
		Lords Wood Lane North	Lords Wood Lane South	193.0	14.0	9.8	0.0	216.8	237.0	16.8	4.2	0.0	258.0
Lords Wood Lane North		Dargets Road	80.6	5.4	0.0	0.0	86.0	81.2	10.0	0.6	0.0	91.8	
Albemarle Road		Albemarle Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Albemarle Road		Lords Wood Lane South	138.2	20.2	4.2	0.0	162.6	129.2	11.4	1.4	0.0	142.0	
Albemarle Road		Dargets Road	112.6	18.6	1.6	0.0	132.8	111.6	16.0	4.4	0.0	132.0	
Albemarle Road		Lords Wood Lane North	75.8	12.4	0.4	0.0	88.6	77.4	5.2	0.2	0.0	82.8	
Lords Wood Lane South		Lords Wood Lane South	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Lords Wood Lane South		Dargets Road	163.0	20.0	8.4	1.0	192.4	144.6	15.2	7.6	1.0	168.4	
Lords Wood Lane South		Lords Wood Lane North	59.6	8.4	1.0	12.8	81.8	57.0	9.6	1.0	12.6	80.2	
Lords Wood Lane South		Albemarle Road	54.0	5.2	4.2	0.0	63.4	41.2	8.2	5.2	0.0	54.6	
Dargets Road		Dargets Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Dargets Road		Lords Wood Lane North	27.4	1.2	1.0	0.0	29.6	29.2	1.2	0.2	0.0	30.6	
Dargets Road		Albemarle Road	65.6	12.0	3.6	0.0	81.2	68.6	14.4	0.8	0.0	83.8	

	Dargets Road	Lords Wood Lane South	190.6	19.4	6.8	0.0	216.8	167.4	25.4	6.0	0.0	198.8
11. Princes Avenue/N Dane Way/Shawstead Road (two junctions interacting)	N Dane Way North	N Dane Way North	0.0	0.0	0.0	13.0	13.0	0.0	0.0	0.0	0.0	0.0
	N Dane Way North	Shawstead Road	5.2	0.0	0.0	0.0	5.2	3.0	0.0	0.0	0.0	3.0
	N Dane Way North	N Dane Way South	365.2	32.4	4.4	0.0	402.0	137.8	24.6	5.2	0.0	167.6
	N Dane Way North	Princes Avenue	354.6	28.4	8.8	13.0	404.8	123.0	22.8	4.4	0.0	150.2
	Shawstead Road	Shawstead Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Shawstead Road	N Dane Way South	98.8	8.6	0.8	0.0	108.2	0.6	0.0	0.0	0.0	0.6
	Shawstead Road	Princes Avenue	68.6	5.8	1.2	0.0	75.6	34.4	2.2	0.2	0.0	36.8
	Shawstead Road	N Dane Way North	17.0	2.4	0.0	0.0	19.4	289.4	28.6	3.8	0.0	321.8
	N Dane Way South	N Dane Way South	65.0	13.0	2.2	0.0	80.2	0.0	0.0	0.0	0.0	0.0
	N Dane Way South	Princes Avenue	111.4	9.0	2.0	0.0	122.4	34.4	2.2	0.2	0.0	36.8
	N Dane Way South	N Dane Way North	529.6	43.8	9.2	0.0	582.6	289.4	28.6	3.8	0.0	321.8
	N Dane Way South	Shawstead Road	66.2	13.0	2.2	0.0	81.4	0.0	0.0	0.0	0.0	0.0
	Princes Avenue	Princes Avenue	29.8	2.6	0.0	0.0	32.4	29.2	3.0	0.6	0.0	32.8
	Princes Avenue	N Dane Way North	512.6	35.0	7.8	14.0	569.4	275.0	32.6	5.2	0.0	312.8
	Princes Avenue	Shawstead Road	216.0	12.8	6.6	0.0	235.4	97.0	4.0	2.6	0.0	103.6
Princes Avenue	N Dane Way South	8.4	0.0	0.0	1.0	9.4	6.6	0.4	0.2	0.0	7.2	
12. Capstone Road North/Pear Tree Lane/New link	Capstone Road North	Capstone Road North	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Capstone Road North	Pear Tree Lane	602.0	27.2	6.8	1.0	637.0	177.0	11.4	2.4	0.0	190.8
	Capstone Road North	Capstone Road South	339.8	10.2	7.2	0.0	357.2	486.2	11.2	12.0	0.0	509.4
	Pear Tree Lane	Pear Tree Lane	0.4	0.0	0.0	0.0	0.4	2.4	0.2	0.4	0.0	3.0
	Pear Tree Lane	Capstone Road South	184.6	36.6	8.2	0.0	229.4	531.0	57.2	12.2	0.0	600.4
	Pear Tree Lane	Capstone Road North	527.0	16.0	3.6	0.0	546.6	203.4	4.6	1.0	0.0	209.0
	Capstone Road South	Capstone Road South	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6
	Capstone Road South	Capstone Road North	337.0	25.8	14.2	0.0	377.0	304.6	25.6	3.4	0.0	333.6
	Capstone Road South	Pear Tree Lane	76.4	24.2	0.6	0.0	101.2	537.2	44.0	12.8	0.0	594.0
13. Capstone Road/N Dane Way	Capstone Road North	Capstone Road North	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Capstone Road North	Access	8.4	0.2	0.0	0.0	8.6	8.2	1.6	1.2	0.0	11.0
	Capstone Road North	Capstone Road South	63.8	5.2	0.4	1.0	70.4	112.6	5.4	4.0	0.0	122.0
	Capstone Road North	N Dane Way	44.4	7.6	1.6	13.0	66.6	38.0	7.6	1.0	0.0	46.6
	Access	Access	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Access	Capstone Road South	17.2	1.6	1.0	0.0	19.8	17.4	2.6	0.0	0.0	20.0
	Access	N Dane Way	27.4	3.2	0.0	0.0	30.6	20.4	5.0	0.8	0.0	26.2
	Access	Capstone Road North	3.4	0.6	0.2	0.0	4.2	5.0	0.0	0.2	0.0	5.2
	Capstone Road South	Capstone Road South	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Capstone Road South	N Dane Way	629.0	47.8	11.2	0.0	688.0	202.8	33.4	7.4	0.0	243.6
	Capstone Road South	Capstone Road North	75.6	4.6	1.4	0.0	81.6	105.2	4.2	1.0	0.0	110.4
	Capstone Road South	Access	67.8	3.4	0.6	0.0	71.8	64.8	6.0	0.4	0.0	71.2
	N Dane Way	N Dane Way	0.0	0.0	0.0	13.0	13.0	0.0	0.0	0.0	0.0	0.0
	N Dane Way	Capstone Road North	215.6	20.2	4.8	14.0	254.6	239.0	23.6	3.6	0.0	266.2
	N Dane Way	Access	86.0	11.0	2.6	0.0	99.6	74.4	11.2	2.6	0.0	88.2
N Dane Way	Capstone Road South	761.0	48.6	9.8	0.0	819.4	305.4	27.8	2.8	0.0	336.0	
14. A229 Maidstone Road/A2045 Walderslade	A229 North offslip	A229 North onslip	121.8	11.4	0.4	1.0	134.6	112.6	14.6	0.0	1.0	128.2
	A229 North offslip	A2045 Walderslade Woods	210.2	22.0	7.0	0.0	239.2	212.8	34.4	5.4	0.0	252.6

Woods/Rochester Road	A229 North offslip	A229 South	0.2	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.2
	A229 North offslip	Rochester Road	22.4	1.8	1.6	0.0	25.8	19.8	1.4	2.2	0.0	23.4
	A2045 Walderslade Woods	A2045 Walderslade Woods	42.2	8.8	2.6	0.0	53.6	41.0	8.0	0.8	0.0	49.8
	A2045 Walderslade Woods	A229 South	580.4	112.0	19.6	0.0	712.0	571.0	109.2	18.4	0.0	698.6
	A2045 Walderslade Woods	Rochester Road	436.4	84.6	26.2	0.0	547.2	438.2	76.6	29.8	0.0	544.6
	A2045 Walderslade Woods	A229 North	323.4	50.2	1.8	0.0	375.4	353.6	44.4	3.0	0.0	401.0
	A229 South	A229 South	3.8	0.8	0.0	0.0	4.6	1.8	0.6	0.0	0.0	2.4
	A229 South	Rochester Road	395.8	75.8	31.0	0.0	502.6	405.4	86.6	27.0	0.0	519.0
	A229 South	A229 North	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	A229 South	A2045 Walderslade Woods	499.6	67.8	39.2	0.0	606.6	471.4	67.0	40.6	0.0	579.0
	Rochester Road	Rochester Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rochester Road	A229 North	176.8	17.8	0.4	0.0	195.0	186.0	18.4	0.0	0.0	204.4
	Rochester Road	A2045 Walderslade Woods	499.6	67.8	39.2	0.0	606.6	471.4	67.0	40.6	0.0	579.0
	Rochester Road	A229 South	472.8	103.6	27.6	0.0	604.0	464.4	105.6	24.4	0.0	594.4
15. A229 Maidstone Road/A2045/A229	A2045 offslip	A2045 onslip	4.2	1.2	0.0	0.0	5.4	2.6	0.8	0.0	0.0	3.4
	A2045 offslip	A229 east	210.2	22.0	7.0	0.0	239.2	212.8	34.4	5.4	0.0	252.6
	A2045 offslip	A229 south	1125.2	185.8	38.0	0.0	1349.0	1116.0	197.2	34.4	0.0	1347.6
	A2045 offslip	west	43.0	0.4	1.4	0.0	44.8	40.6	0.4	1.6	0.0	42.6
	A229 east	A229 east	16.8	1.0	0.2	0.0	18.0	10.2	1.4	0.2	0.0	11.8
	A229 east	A229 south	580.4	112.0	19.6	0.0	712.0	571.0	109.2	18.4	0.0	698.6
	A229 east	west	36.8	12.6	8.6	0.0	58.0	32.8	12.0	6.2	0.0	51.0
	A229 east	A2045 onslip	534.2	89.0	20.4	0.0	643.6	534.8	94.0	19.8	0.0	648.6
	A229 south	A229 south	2.0	2.6	1.2	0.0	5.8	4.8	2.2	0.6	0.0	7.6
	A229 south	west	0.2	0.4	2.0	0.0	2.6	0.0	1.6	2.6	0.0	4.2
	A229 south	A2045 onslip	327.4	52.8	18.6	0.0	398.8	330.2	59.8	15.0	0.0	405.0
	A229 south	A229 east	1093.6	381.6	169.4	0.0	1644.6	1090.2	360.6	173.4	0.0	1624.2
	west	west	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	west	A2045 onslip	8.6	0.8	0.8	0.0	10.2	6.2	0.0	0.0	0.0	6.2
west	A229 east	16.6	4.6	7.4	0.0	28.6	17.0	4.6	3.2	0.0	24.8	
west	A229 south	0.6	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	
16. M2, J3/A2045/A229	M2 North offslip	M2 North onslip	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M2 North offslip	A2045	1070.0	192.8	53.2	0.0	1316.0	1110.4	206.8	52.0	0.0	1369.2
	M2 North offslip	M2 South onslip	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M2 North offslip	A229	1129.8	211.0	120.8	0.0	1461.6	1121.2	207.2	114.2	0.0	1442.6
	A2045	A2045	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	A2045	M2 South onslip	339.6	84.0	54.6	0.0	478.2	305.8	78.6	46.4	0.0	430.8
	A2045	A229	461.8	36.0	10.8	0.0	508.6	452.2	31.6	8.2	0.0	492.0
	A2045	M2 North onslip	667.2	134.0	12.6	0.0	813.8	681.2	142.2	14.4	0.0	837.8
	M2 South offslip	M2 South onslip	8.0	1.8	0.2	0.0	10.0	6.8	2.0	0.0	0.0	8.8
	M2 South offslip	A229	1412.2	196.2	42.2	0.0	1650.6	1438.8	199.6	46.8	0.0	1685.2
	M2 South offslip	M2 North onslip	25.0	5.2	9.6	0.0	39.8	26.4	4.8	9.0	0.0	40.2
	M2 South offslip	A2045	182.8	24.8	30.4	0.0	238.0	169.0	20.6	24.2	0.0	213.8

	A229	A229	20.2	1.4	0.4	0.0	22.0	19.0	1.4	0.0	0.0	20.4
	A229	M2 North onslip	1213.8	369.4	148.6	0.0	1731.8	1267.4	354.4	158.2	0.0	1780.0
	A229	A2045	124.8	17.0	4.0	0.0	145.8	118.6	17.6	1.4	0.0	137.6
	A229	M2 South onslip	446.2	145.0	43.0	0.0	634.2	417.4	135.2	39.0	0.0	591.6
17.Princes Avenue/N Dane Way/New Link	N Dane Way North	N Dane Way North	0.0	0.0	0.0	13.0	13.0	0.0	0.0	0.0	0.0	0.0
	N Dane Way North	New Link East	5.2	0.0	0.0	0.0	5.2	5.4	0.0	0.0	0.0	5.4
	N Dane Way North	N Dane Way South	365.2	32.4	4.4	0.0	402.0	137.8	24.6	5.2	0.0	167.6
	N Dane Way North	Princes Avenue	354.6	28.4	8.8	13.0	404.8	123.0	22.8	4.4	0.0	150.2
	New Link East	New Link East	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	New Link East	N Dane Way South	98.8	8.6	0.8	0.0	108.2	139.2	7.6	2.2	0.0	149.0
	New Link East	Princes Avenue	68.6	5.8	1.2	0.0	75.6	398.8	24.8	7.2	0.0	430.8
	New Link East	N Dane Way North	17.0	2.4	0.0	0.0	19.4	49.0	0.8	0.0	0.0	49.8
	N Dane Way South	N Dane Way South	65.0	13.0	2.2	0.0	80.2	0.0	0.0	0.0	0.0	0.0
	N Dane Way South	Princes Avenue	111.4	9.0	2.0	0.0	122.4	34.4	2.2	0.2	0.0	36.8
	N Dane Way South	N Dane Way North	529.6	43.8	9.2	0.0	582.6	289.4	28.6	3.8	0.0	321.8
	N Dane Way South	New Link East	66.2	13.0	2.2	0.0	81.4	150.0	7.4	0.6	0.0	158.0
	Princes Avenue	Princes Avenue	29.8	2.6	0.0	0.0	32.4	29.2	3.0	0.6	0.0	32.8
	Princes Avenue	N Dane Way North	512.6	35.0	7.8	14.0	569.4	275.0	32.6	5.2	0.0	312.8
	Princes Avenue	New Link East	216.0	12.8	6.6	0.0	235.4	445.8	18.2	12.8	0.0	476.8
	Princes Avenue	N Dane Way South	8.4	0.0	0.0	1.0	9.4	6.6	0.4	0.2	0.0	7.2
18. New link/Shawstead Rd	New Link East	New Link East	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	New Link East	Shawstead Rd	0.0	0.0	0.0	0.0	0.0	84.8	2.2	0.6	0.0	87.6
	New Link East	New Link West	0.0	0.0	0.0	0.0	0.0	456.6	24.6	7.8	0.0	489.0
	Shawstead Rd	Shawstead Rd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Shawstead Rd	New Link West	0.0	0.0	0.0	0.0	0.0	124.6	8.4	1.6	0.0	134.6
	Shawstead Rd	New Link East	0.0	0.0	0.0	0.0	0.0	47.4	2.8	0.2	0.0	50.4
	New Link West	New Link West	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	New Link West	New Link East	0.0	0.0	0.0	0.0	0.0	504.8	21.6	10.8	0.0	537.2
New Link West	Shawstead Rd	0.0	0.0	0.0	0.0	0.0	100.0	4.0	2.6	0.0	106.6	
19. New link/Capstone Rd	New Link North	Capstone Rd	0.0	0.0	0.0	0.0	0.0	561.6	43.6	16.0	0.0	621.2
	New Link North	New Link South	0.0	0.0	0.0	0.0	0.0	464.6	26.2	8.4	0.0	499.2
	Capstone Rd	New Link South	0.0	0.0	0.0	0.0	0.0	9.4	0.2	0.0	0.0	9.6
	Capstone Rd	New Link North	0.0	0.0	0.0	0.0	0.0	327.2	44.8	5.0	0.0	377.0
	New Link South	New Link North	0.0	0.0	0.0	0.0	0.0	511.2	24.8	11.2	0.0	547.2
	New Link South	Capstone Rd	0.0	0.0	0.0	0.0	0.0	82.6	0.0	0.0	0.0	82.6
20.North Dane way/ New link	New Link East	North Dane North	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	New Link East	North Dane south	0.0	0.0	0.0	0.0	0.0	268.6	8.0	1.6	0.0	278.2
	North Dane North	New Link East	0.0	0.0	0.0	0.0	0.0	5.8	0.6	0.2	0.0	6.6
	North Dane North	North Dane south	0.0	0.0	0.0	0.0	0.0	279.8	32.0	7.6	0.0	319.4
	North Dane south	New Link East	0.0	0.0	0.0	0.0	0.0	292.4	38.2	7.0	0.0	337.6
	North Dane south	North Dane North	0.0	0.0	0.0	0.0	0.0	466.4	37.6	4.6	0.0	508.6
21. Fostington Way/ A2045	A2045 South	A2045 North	630.4	127.2	22.0	0.0	779.6	660.2	124.2	19.0	0.0	803.4
	A2045 South	A2045 South	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2
	A2045 south	Fostington way East	92.2	10.0	5.0	0.0	107.2	100.6	8.4	5.0	0.0	114.0

	A2045 North	A2045 North	149.2	22.0	11.2	0.0	182.4	140.8	23.0	10.8	0.0	174.6
	A2045 North	A2045 South	474.6	93.4	30.0	0.0	598.0	455.4	108.2	28.2	0.0	591.8
	A2045 North	Fostington way East	538.0	47.0	39.8	0.0	624.8	546.8	43.8	31.0	0.0	621.6
	Fostington way East	A2045 North	881.2	113.4	20.6	0.0	1015.2	890.6	105.8	17.8	0.0	1014.2
	Fostington way East	A2045 South	156.0	25.8	4.2	0.0	186.0	136.8	23.2	5.6	0.0	165.6
	Fostington way East	Fostington way East	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22. Princess Avenue/ Walderslade Rd	Princess Avenue North	Princess Avenue North	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Princess Avenue North	Walderslade North	264.4	39.8	14.2	0.0	318.4	297.6	26.6	8.6	0.0	332.8
	Princess Avenue North	Walderslade South	421.0	61.8	24.0	0.0	506.8	435.0	48.8	20.4	0.0	504.2
	Walderslade South	Princess Avenue North	230.4	38.6	12.4	0.0	281.4	274.0	29.0	11.2	0.0	314.2
	Walderslade South	Walderslade North	310.2	32.6	10.6	0.0	353.4	279.2	25.4	9.8	0.0	314.4
	Walderslade South	Walderslade South	30.8	6.8	1.6	0.0	39.2	38.0	7.0	1.4	0.0	46.4
	Walderslade North	Princess Avenue North	191.0	20.6	9.0	0.0	220.6	210.8	23.2	11.0	0.0	245.0
	Walderslade North	Walderslade North	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Walderslade North	Walderslade South	468.2	42.0	9.6	0.0	519.8	454.6	46.0	14.0	0.0	514.6
	23. Robinhood Lane/ Walderslade Rd	Robinhood Lane East	Walderslade North	88.6	25.0	7.6	0.0	121.2	88.2	21.8	5.4	0.0
Robinhood Lane East		Walderslade South	120.0	13.2	0.2	0.0	133.4	120.6	12.8	0.4	0.0	133.8
Walderslade South		Robinhood Lane East	124.6	14.0	1.4	0.0	140.0	139.2	14.0	1.8	0.0	155.0
Walderslade South		Walderslade North	474.8	51.8	16.6	0.0	543.2	494.6	38.2	16.8	0.0	549.6
Walderslade North		Robinhood Lane East	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Walderslade North		Walderslade South	758.8	90.4	25.8	0.0	875.0	764.8	84.2	26.4	0.0	875.4
24. Luton Road/A2 Chatham Hill	Chatham Hill East	Luton Road	86.4	12.4	0.8	0.0	99.6	90.4	15.6	1.4	0.0	107.4
	Chatham Hill East	Chatham Hill West	902.0	85.4	8.8	14.8	1011.0	877.2	84.2	7.4	15.0	983.8
	Chatham Hill West	Chatham Hill East	922.2	86.2	7.4	22.2	1038.0	916.6	79.0	3.8	22.4	1021.8
	Chatham Hill West	Luton Road	213.0	23.4	16.2	24.0	276.6	221.2	21.8	21.8	10.0	274.8
	Luton Road	Chatham Hill West	577.0	46.6	12.6	28.0	664.2	590.2	44.2	9.6	15.0	659.0
25. Barnsole Road/A2 Watling Street	Barnsole Road	Watling Street East	138.2	19.0	6.6	0.0	163.8	140.2	17.8	7.0	0.0	165.0
	Watling Street East	Derby Road	4.6	0.4	0.6	0.0	5.6	44.2	5.0	2.2	0.0	51.4
	Watling Street East	Watling Street West	955.2	114.4	27.6	9.0	1106.2	1008.0	104.8	26.8	9.0	1148.6
	Watling Street East	Barnsole Road	53.8	2.6	6.4	1.0	63.8	56.6	3.4	2.8	1.0	63.8
	Watling Street West	Barnsole Road	140.2	13.2	0.8	0.0	154.2	145.0	10.2	1.0	0.0	156.2
	Watling Street West	Watling Street East	664.6	55.8	8.2	17.6	746.2	669.4	61.6	11.0	17.6	759.6
26. Woodlands Road/A2 Sovereign Boulevard	Woodlands Road	Sovereign Boulevard East	210.6	14.6	1.4	0.0	226.6	216.2	16.2	2.4	0.0	234.8
	Woodlands Road	Rotary Gardens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Woodlands Road	Sovereign Boulevard West	9.8	1.6	0.0	0.0	11.4	12.4	0.0	0.0	0.0	12.4
	Sovereign Boulevard East	Rotary Gardens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sovereign Boulevard East	Sovereign Boulevard West	1055.0	123.4	37.0	9.0	1224.4	1093.2	114.0	32.4	9.0	1248.6
	Sovereign Boulevard East	Woodlands Road	100.2	8.8	5.6	0.0	114.6	102.0	14.2	7.6	0.0	123.8
	Sovereign Boulevard West	Woodlands Road	3.4	0.0	0.0	0.0	3.4	3.4	0.2	0.0	0.0	3.6
	Sovereign Boulevard West	Sovereign Boulevard East	1066.2	92.8	20.4	17.2	1196.6	1051.4	96.6	24.4	17.0	1189.4

27. A278 Hoath Way/Courteney Road/Hoath Lane	Courteney Road	Hoath Lane	25.4	6.4	0.2	0.0	32.0	22.0	6.4	0.4	0.0	28.8
	Courteney Road	Hoath Way Eastern Link	12.4	5.6	1.0	0.0	19.0	14.8	8.2	3.4	0.0	26.4
	Hoath Lane	Hoath Way Eastern Link	231.2	30.4	17.2	0.0	278.8	250.0	32.0	20.2	0.0	302.2
	Hoath Lane	Courteney Road	12.2	3.8	0.2	0.0	16.2	10.6	3.0	0.0	0.0	13.6
	Hoath Way Eastern Link	Courteney Road	45.0	15.2	4.8	0.0	65.0	49.6	10.2	4.2	0.0	64.0
	Hoath Way Eastern Link	Hoath Lane	171.0	5.4	1.0	0.0	177.4	157.4	3.0	0.4	0.0	160.8
28. Albemarle Road/Clandon Road	Albemarle Road North	Clandon Road	118.6	2.0	0.2	0.0	120.8	118.8	0.8	1.2	0.0	120.8
	Albemarle Road North	Albemarle Road South	347.0	39.8	5.6	0.0	392.4	342.8	31.6	5.8	0.0	380.2
	Clandon Road	Albemarle Road South	82.0	5.6	0.4	0.0	88.0	90.4	3.4	0.6	0.0	94.4
	Clandon Road	Albemarle Road North	103.8	8.2	1.8	0.0	113.8	121.0	9.8	2.4	0.0	133.2
	Albemarle Road South	Albemarle Road North	247.6	22.8	3.2	0.0	273.6	258.0	18.0	0.8	0.0	276.8
	Albemarle Road South	Clandon Road	51.4	2.2	0.4	13.0	67.0	52.6	3.0	0.6	13.0	69.2
29. N Dane Way/Lords Wood Lane	N Dane Way North	N Dane Way South	343.2	31.4	3.4	0.0	378.0	362.8	28.4	7.6	0.0	398.8
	N Dane Way North	Lords Wood Lane	131.0	9.6	1.8	1.0	143.4	185.8	11.6	1.6	0.0	199.0
	N Dane Way South	Lords Wood Lane	1.6	0.0	0.0	0.0	1.6	4.0	0.6	0.0	0.0	4.6
	N Dane Way South	N Dane Way North	428.6	45.0	5.4	0.0	479.0	452.4	54.0	5.8	0.0	512.2
	Lords Wood Lane	N Dane Way North	171.6	10.2	6.4	0.0	188.2	290.2	19.4	5.6	0.0	315.2
	Lords Wood Lane	N Dane Way South	84.0	5.4	0.8	0.0	90.2	76.4	4.6	0.0	0.0	81.0
30. Street End Road/Capstone Road/Luton High Street	Luton High Street	Capstone Road	95.0	12.4	1.8	14.0	123.2	135.8	12.8	6.2	0.0	154.8
	Luton High Street	Street End Road	366.8	44.4	7.8	10.6	429.6	362.4	35.4	6.6	11.0	415.4
	Capstone Road	Street End Road	36.8	2.4	0.6	0.0	39.8	53.4	6.4	0.6	0.0	60.4
	Capstone Road	Luton High Street	214.6	21.0	6.0	14.0	255.6	246.6	19.0	2.0	0.0	267.6
	Street End Road	Luton High Street	389.6	50.4	22.8	9.0	471.8	392.6	51.2	19.4	9.0	472.2
	Street End Road	Capstone Road	18.2	0.2	0.0	0.0	18.4	20.2	0.4	0.0	0.0	20.6
31. Ash Tree Lane/Beacon Road	Ash Tree Lane North	Ash Tree Lane South	457.8	33.0	9.4	0.0	500.2	503.8	40.0	16.2	0.0	560.0
	Ash Tree Lane North	Beacon Road	134.2	16.2	2.0	0.0	152.4	115.4	8.2	1.4	0.0	125.0
	Ash Tree Lane South	Beacon Road	133.4	2.6	1.4	0.0	137.4	96.6	4.8	0.4	0.0	101.8
	Ash Tree Lane South	Ash Tree Lane North	592.6	50.0	16.6	0.0	659.2	621.0	53.0	8.0	0.0	682.0
	Beacon Road	Ash Tree Lane North	70.2	7.4	2.4	0.0	80.0	75.0	8.2	1.4	0.0	84.6
	Beacon Road	Ash Tree Lane South	95.4	3.2	2.8	0.0	101.4	53.6	4.0	1.0	0.0	58.6
32. Capstone Road/Ash Tree Lane	Ash Tree Lane	Capstone Road South	365.0	8.0	7.4	0.0	380.4	393.2	11.4	10.0	0.0	414.6
	Ash Tree Lane	Capstone Road West	192.6	28.6	5.0	0.0	226.2	166.2	32.8	7.2	0.0	206.2
	Capstone Road South	Capstone Road West	569.4	26.8	7.8	0.0	604.0	198.6	10.4	1.4	0.0	210.4
	Capstone Road South	Ash Tree Lane	448.4	25.6	13.4	0.0	487.4	448.6	29.4	5.6	0.0	483.6
	Capstone Road West	Ash Tree Lane	273.0	26.8	4.4	0.0	304.2	258.6	27.4	2.8	0.0	288.8
	Capstone Road West	Capstone Road South	574.8	29.0	6.8	1.0	611.6	182.4	8.4	4.0	0.0	194.8
33. Pear Tree Lane/Hempstead Road	Pear Tree Lane	Hempstead Valley Drive	614.2	64.2	8.6	0.0	687.0	639.2	73.4	13.2	0.0	725.8
	Pear Tree Lane	Hempstead Road	48.6	0.6	0.4	0.0	49.6	28.8	1.2	0.2	0.0	30.2
	Hempstead Valley Drive	Hempstead Road	173.2	18.8	8.4	0.0	200.4	168.0	9.2	4.0	0.0	181.2
	Hempstead Valley Drive	Pear Tree Lane	358.2	10.2	3.4	3.0	374.8	365.6	21.2	5.0	3.0	394.8
	Hempstead Road	Pear Tree Lane	89.6	2.0	10.8	0.0	102.4	76.6	7.2	33.2	0.0	117.0
	Hempstead Road	Hempstead Valley Drive	60.4	10.4	6.0	0.0	76.8	65.0	8.8	1.8	0.0	75.6

34. Hempstead Valley Drive/Hempstead Road	Hempstead Valley Drive North	Hempstead Road	642.6	69.6	12.6	0.0	724.8	671.4	75.4	11.8	0.0	758.6
	Hempstead Valley Drive North	Hempstead Valley Drive South	33.4	5.0	2.0	0.0	40.4	35.0	6.8	3.2	0.0	45.0
	Hempstead Road	Hempstead Valley Drive South	32.8	0.4	0.2	0.0	33.4	36.4	0.2	0.0	0.0	36.6
	Hempstead Road	Hempstead Valley Drive North	492.4	18.0	11.8	0.0	522.2	495.6	27.4	8.4	0.0	531.4
	Hempstead Valley Drive South	Hempstead Valley Drive North	38.0	11.0	0.0	3.0	52.0	36.6	2.8	0.4	3.0	42.8
	Hempstead Valley Drive South	Hempstead Road	39.0	4.8	1.4	0.0	45.2	35.2	4.2	0.8	0.0	40.2

Table 2 Turn Flow results for PM Do-Minimum and Do-Something

Junction Name	Approach Name	Movement	PM Do-Minimum					PM Do-Something				
			Cars	LGVs	HGVs	Buses	Total	Cars	LGVs	HGVs	Buses	Total
1. Magpie Hall Road/A2 New Road/A2 Chatham Hill	High Street	High Street	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	High Street	Chatham Hill	250.2	26.4	10.2	44.4	331.2	245.0	18.8	6.8	26.2	296.8
	High Street	Magpie Hall Road	123.8	4.2	1.0	4.0	133.0	117.6	6.4	0.4	3.6	128.0
	High Street	New Road	153.2	24.0	2.0	0.0	179.2	122.6	21.8	0.6	0.0	145.0
	Chatham Hill	Chatham Hill	220.0	27.0	0.0	5.0	252.0	190.6	21.8	0.4	1.6	214.4
	Chatham Hill	New Road	993.0	89.0	10.4	0.0	1092.4	903.2	72.2	8.0	0.0	983.4
	Chatham Hill	High Street	205.6	21.6	2.0	51.6	280.8	196.6	31.6	0.8	32.2	261.2
	New Road	New Road	14.4	0.8	0.2	0.0	15.4	14.6	0.8	0.0	0.0	15.4
	New Road	High Street	4.8	0.4	0.0	0.0	5.2	4.2	0.6	0.0	0.0	4.8
	New Road	Chatham Hill	944.2	85.6	5.4	0.0	1035.2	861.4	81.2	7.8	0.0	950.4
	New Road	Magpie Hall Road	299.2	20.6	2.2	0.0	322.0	272.8	19.6	3.0	0.0	295.4
2. Ash Tree Lane/A2 Rainham Road/A2 Watling Street	Rainham Road (shops)	Rainham Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Watling Street	Ash Tree Lane	201.8	29.8	2.2	0.0	233.8	178.4	28.6	2.4	0.0	209.4
	Watling Street	Rainham Road	629.8	41.6	5.0	12.0	688.4	629.4	36.8	3.8	10.6	680.6
	Watling Street	Canterbury Street	202.0	14.6	9.4	5.0	231.0	200.0	13.4	6.8	4.4	224.6
	Rainham Road	Canterbury Street	74.4	14.0	0.4	0.0	88.8	71.6	12.0	0.0	0.0	83.6
	Rainham Road	Watling Street	446.4	40.0	0.8	17.4	504.6	442.2	32.6	1.2	12.0	488.0
	Canterbury Street	Watling Street	412.8	38.2	1.0	9.2	461.2	390.8	45.2	2.2	9.0	447.2
	Canterbury Street	Rainham Road	0.6	0.0	0.0	0.0	0.6	3.4	0.0	0.0	0.0	3.4
	Ash Tree Lane	Rainham Road	124.0	11.0	0.8	0.0	135.8	126.6	13.6	1.4	0.0	141.6
	Ash Tree Lane	Watling Street	149.4	17.6	1.0	0.0	168.0	145.4	19.2	0.2	0.0	164.8
3. A289 Ito Way/Will Adams Way/A2 Sovereign Boulevard (Will Adams Roundabout)	Ito Way	Ito Way	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ito Way	Sovereign Boulevard East	529.4	50.2	4.4	0.0	584.0	517.8	46.4	3.0	0.0	567.2
	Ito Way	Will Adams Way	234.2	23.4	2.2	0.0	259.8	229.4	22.2	2.2	0.0	253.8
	Ito Way	Sovereign Boulevard West	212.0	39.2	3.6	0.0	254.8	207.6	43.0	3.8	0.0	254.4
	Sovereign Boulevard East	Sovereign Boulevard East	33.4	3.2	0.8	0.0	37.4	36.4	5.8	3.0	0.0	45.2
	Sovereign Boulevard East	Will Adams Way	84.4	5.4	1.8	0.0	91.6	80.0	5.0	2.0	0.0	87.0
	Sovereign Boulevard East	Sovereign Boulevard West	934.2	72.0	16.2	16.4	1038.8	920.4	72.0	14.0	14.6	1021.0
	Sovereign Boulevard East	Ito Way	853.2	185.2	25.0	0.6	1064.0	801.0	162.8	26.4	0.8	991.0
	Will Adams Way	Will Adams Way	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Will Adams Way	Sovereign Boulevard West	329.8	16.0	6.8	0.0	352.6	321.6	20.0	5.2	0.0	346.8
	Will Adams Way	Ito Way	202.8	19.6	2.6	0.0	225.0	197.4	17.8	1.4	0.0	216.6
	Will Adams Way	Sovereign Boulevard East	137.4	12.8	0.2	0.0	150.4	128.4	11.4	0.2	0.0	140.0
	Sovereign Boulevard West	Sovereign Boulevard West	0.0	0.0	0.0	3.0	3.0	0.0	0.0	0.0	2.4	2.4
	Sovereign Boulevard West	Ito Way	106.8	15.2	1.4	0.0	123.4	93.4	8.4	1.4	0.0	103.2
	Sovereign Boulevard West	Sovereign Boulevard East	1017.8	62.2	3.4	18.8	1102.2	1025.6	62.6	6.4	17.4	1112.0

	Sovereign Boulevard West	Will Adams Way	200.2	16.4	1.4	0.0	218.0	189.8	16.0	0.6	0.0	206.4
4. A278 Hoath Way/A2 London Road (Bowaters Roundabout)	Twydall Lane	Twydall Lane	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
	Twydall Lane	London Road	31.8	4.6	0.4	0.0	36.8	34.6	8.4	0.0	0.0	43.0
	Twydall Lane	Courteney Road	27.8	0.4	0.0	4.0	32.2	25.0	0.4	0.0	3.8	29.2
	Twydall Lane	Hoath Way	179.2	11.8	2.0	0.0	193.0	171.6	14.2	1.8	0.0	187.6
	Twydall Lane	Sovereign Boulevard	19.4	1.2	0.2	0.0	20.8	24.2	1.4	0.2	0.0	25.8
	Courteney Road	Courteney Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Courteney Road	Hoath Way	0.8	0.2	0.0	0.0	1.0	0.0	0.2	0.0	0.0	0.2
	Courteney Road	Sovereign Boulevard	426.8	51.0	8.2	4.4	490.4	445.0	50.2	7.2	4.0	506.4
	Courteney Road	Twydall Lane	80.6	11.4	0.4	4.0	96.4	73.8	10.2	0.6	4.0	88.6
	Courteney Road	London Road	82.0	16.2	1.4	0.0	99.6	82.0	15.6	0.6	0.0	98.2
	London Road	London Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	London Road	Courteney Road via roundabout	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	London Road	Courteney Road left turn slip	165.2	17.6	3.0	0.0	185.8	161.6	19.4	5.0	0.0	186.0
	London Road	Hoath Way	263.4	24.6	3.2	0.0	291.2	272.8	28.0	2.2	0.0	303.0
	London Road	Sovereign Boulevard	488.0	30.6	18.2	0.0	536.8	491.2	32.0	9.8	0.0	533.0
	London Road	Twydall Lane	3.8	0.6	0.2	0.0	4.6	7.0	0.2	0.0	0.0	7.2
	Hoath Way	Hoath Way	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Hoath Way	Sovereign Boulevard	812.0	169.4	14.2	0.0	995.6	752.8	153.6	25.0	0.0	931.4
	Hoath Way	Twydall Lane	454.0	65.0	0.8	0.0	519.8	409.0	65.0	1.6	0.0	475.6
	Hoath Way	London Road	280.6	36.4	4.8	0.0	321.8	293.4	39.2	1.6	0.0	334.2
	Hoath Way	Courteney Road	280.6	36.4	4.8	0.0	321.8	293.4	39.2	1.6	0.0	334.2
	Sovereign Boulevard	Sovereign Boulevard	30.4	6.2	0.0	0.0	36.6	17.0	3.8	0.4	0.0	21.2
	Sovereign Boulevard	Twydall Lane via filter lane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sovereign Boulevard	Twydall Lane via roundabout	38.8	2.6	0.0	0.0	41.4	43.2	3.0	0.0	0.0	46.2
	Sovereign Boulevard	London Road	660.6	46.6	2.8	0.0	710.0	630.2	45.2	1.8	0.0	677.2
Sovereign Boulevard	Courteney Road	366.6	35.2	0.6	0.0	402.4	383.6	33.2	3.8	0.0	420.6	
Sovereign Boulevard	Hoath Way	796.4	49.6	5.0	0.0	851.0	769.0	46.4	4.8	0.0	820.2	
5. A278 Hoath Way/Hoath Way links (to Courteney Road roundabout and Ambley Road roundabout)	Hoath Way North	Hoath Way North	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Hoath Way North	Hoath Way Eastern Link	252.8	10.2	1.4	0.0	264.4	279.8	12.0	1.4	0.0	293.2
	Hoath Way North	Hoath Way South	927.6	57.0	5.4	0.0	990.0	870.2	58.2	4.2	0.0	932.6
	Hoath Way North	Hoath Way Western Link	92.4	20.6	3.2	0.0	116.2	98.4	20.2	3.2	0.0	121.8
	Hoath Way Eastern Link	Hoath Way Eastern Link	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Hoath Way Eastern Link	Hoath Way South	13.0	1.6	0.0	0.0	14.6	13.8	1.8	0.0	0.0	15.6
	Hoath Way Eastern Link	Hoath Way Western Link	59.6	8.8	3.4	0.0	71.8	50.2	8.8	1.8	0.0	60.8
	Hoath Way Eastern Link	Hoath Way North	109.8	15.4	3.4	0.0	128.6	118.6	13.6	4.2	0.0	136.4
	Hoath Way South	Hoath Way South	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
	Hoath Way South	Hoath Way Western Link	173.6	40.8	3.6	0.0	218.0	174.0	41.8	1.4	0.0	217.2
	Hoath Way South	Hoath Way North	1143.0	217.4	12.4	0.0	1372.8	1041.0	201.6	19.6	0.0	1262.2
	Hoath Way South	Hoath Way Eastern Link	49.6	29.0	0.4	0.0	79.0	50.6	27.6	0.4	0.0	78.6
	Hoath Way Western Link	Hoath Way Western Link	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

	Hoath Way Western Link	Hoath Way North	265.0	31.6	3.4	0.0	300.0	263.0	38.8	4.2	0.0	306.0
	Hoath Way Western Link	Hoath Way Eastern Link	87.0	13.0	0.2	0.0	100.2	69.6	14.6	1.2	0.0	85.4
	Hoath Way Western Link	Hoath Way South	248.6	15.0	2.8	0.0	266.4	245.2	15.6	5.6	0.0	266.4
6. A278 Hoath Way/Ambley Road/Hempstead Road	Ambley Road	Ambley Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ambley Road	Hoath Way Western Link	245.6	16.4	3.0	0.0	265.0	232.8	16.6	6.2	0.0	255.6
	Ambley Road	Hempstead Road	72.8	12.6	6.0	0.0	91.4	87.4	11.6	6.6	0.0	105.6
	Hoath Way Western Link	Hoath Way Western Link	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Hoath Way Western Link	Hempstead Road	171.2	28.8	6.2	0.0	206.2	188.6	30.4	4.8	0.0	223.8
	Hoath Way Western Link	Ambley Road	155.4	41.4	4.0	0.0	200.8	134.8	40.4	1.6	0.0	176.8
	Hempstead Road	Hempstead Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Hempstead Road	Ambley Road	60.6	39.2	0.4	1.0	101.2	53.0	28.0	1.2	1.0	83.2
	Hempstead Road	Hoath Way Western Link	348.6	42.4	3.4	0.0	394.4	338.6	52.0	4.8	0.0	395.4
7. A278 Hoath Way/Sharsted Way/Wigmore Road	Hoath Way North	Hoath Way North	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2
	Hoath Way North	Wigmore Road	80.6	4.4	0.0	0.0	85.0	63.4	2.6	0.8	0.0	66.8
	Hoath Way North	Hoath Way South	1062.2	67.0	8.2	0.0	1137.4	1002.4	71.8	9.6	0.0	1083.8
	Hoath Way North	Sharsted Way	64.6	4.0	0.2	0.0	68.8	78.0	2.4	0.2	0.0	80.6
	Wigmore Road	Wigmore Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Wigmore Road	Hoath Way South	316.0	96.8	22.8	0.0	435.6	297.8	80.2	21.2	0.0	399.2
	Wigmore Road	Sharsted Way	108.6	7.2	0.8	21.0	137.6	133.6	8.4	3.6	20.0	165.6
	Wigmore Road	Hoath Way North	90.4	2.8	1.2	0.0	94.4	80.8	2.4	2.2	0.0	85.4
	Hoath Way South	Hoath Way South	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Hoath Way South	Sharsted Way	534.6	97.2	11.8	0.0	643.6	538.4	100.4	8.0	0.0	646.8
	Hoath Way South	Hoath Way North	1161.8	254.0	12.4	0.0	1428.2	1056.4	247.0	15.4	0.0	1318.8
	Hoath Way South	Wigmore Road	471.2	134.0	39.2	0.0	644.4	486.6	131.6	31.2	0.0	649.4
	Sharsted Way	Sharsted Way	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sharsted Way	Hoath Way North	35.2	3.0	0.0	0.0	38.2	58.0	1.4	0.0	0.0	59.4
	Sharsted Way	Wigmore Road	297.4	12.2	4.2	20.0	333.8	297.0	14.8	3.4	17.8	333.0
Sharsted Way	Hoath Way South	456.2	47.8	9.4	0.0	513.4	435.6	48.2	9.4	0.0	493.2	
8. A278 Hoath Way/M2, J4	Hoath Way	Hoath Way	0.2	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.4
	Hoath Way	M2, J4 on slip east via roundabout	618.0	58.0	12.0	0.0	688.0	576.6	53.4	10.8	0.0	640.8
	Hoath Way	M2, J4 on slip east via left turn slip	68.0	6.8	1.2	0.0	76.0	59.6	2.6	0.4	0.0	62.6
	Hoath Way	M2, J4 on slip west	1152.4	148.6	27.6	0.0	1328.6	1106.0	146.6	28.4	0.0	1281.0
	M2, J4 off slip east	M2, J4 on slip east	1.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	1.0
	M2, J4 off slip east	M2, J4 on slip west	0.2	0.4	0.0	0.0	0.6	2.2	1.6	0.2	0.0	4.0
	M2, J4 off slip east	Hoath Way	567.2	137.6	13.4	0.0	718.2	621.4	146.6	18.2	0.0	786.2
	M2, J4 off slip west	M2, J4 on slip west	1.4	0.8	0.0	0.0	2.2	25.2	7.0	0.0	0.0	32.2
	M2, J4 off slip west	Hoath Way via roundabout	1459.0	327.8	48.4	0.0	1835.2	1384.0	321.4	37.8	0.0	1743.2
	M2, J4 off slip west	Hoath Way via left turn slip	58.0	11.4	0.6	0.0	70.0	39.4	7.4	0.4	0.0	47.2
	M2, J4 off slip west	M2, J4 on slip east	0.8	13.6	48.6	0.0	63.0	3.6	24.4	34.2	0.0	62.2
9. A2045 Walderslade Woods/Boxley	Boxley Road	Boxley Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Boxley Road	Lords Wood Lane	81.2	16.0	1.4	0.0	98.6	89.2	13.2	0.6	0.0	103.0

Road/Lords Wood Lane/Westfield Sole Road/Harp Farm Road	Boxley Road	Westfield Sole Road	90.4	53.6	1.4	0.0	145.4	65.8	49.8	1.0	0.0	116.6	
	Boxley Road	Harp Farm Road	34.2	16.2	0.4	0.0	50.8	25.8	3.0	0.0	0.0	28.8	
	Boxley Road	A2045 Walderslade Woods	57.8	7.6	0.0	0.0	65.4	54.6	7.2	0.2	0.0	62.0	
	Lords Wood Lane	Lords Wood Lane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Lords Wood Lane	Westfield Sole Road	136.2	18.4	0.6	0.0	155.2	122.6	13.6	0.6	0.0	136.8	
	Lords Wood Lane	Harp Farm Road	117.2	5.4	5.6	0.0	128.2	101.8	8.4	5.0	0.0	115.2	
	Lords Wood Lane	A2045 Walderslade Woods	396.0	76.6	3.2	0.0	475.8	369.8	79.8	3.4	0.0	453.0	
	Lords Wood Lane	Boxley Road	33.0	10.6	0.0	0.0	43.6	36.8	6.8	0.2	0.0	43.8	
	Westfield Sole Road	Westfield Sole Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Westfield Sole Road	Harp Farm Road	0.4	0.0	0.0	0.0	0.4	0.8	0.4	0.0	0.0	1.2	
	Westfield Sole Road	A2045 Walderslade Woods	154.2	13.4	1.6	0.0	169.2	155.2	13.8	0.6	0.0	169.6	
	Westfield Sole Road	Boxley Road	25.0	0.2	0.0	0.0	25.2	20.8	0.4	0.0	0.0	21.2	
	Westfield Sole Road	Lords Wood Lane	324.4	51.8	1.2	0.0	377.4	208.4	25.4	2.0	0.0	235.8	
	Harp Farm Road	Harp Farm Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Harp Farm Road	A2045 Walderslade Woods	78.6	7.2	1.8	0.0	87.6	68.2	4.2	1.6	0.0	74.0	
	Harp Farm Road	Boxley Road	10.6	1.0	0.6	0.0	12.2	9.8	0.8	0.4	0.0	11.0	
	Harp Farm Road	Lords Wood Lane	134.0	14.8	1.2	0.0	150.0	103.4	12.2	1.2	0.0	116.8	
	Harp Farm Road	Westfield Sole Road	0.8	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.8	
	A2045 Walderslade Woods	A2045 Walderslade Woods	4.6	0.2	0.0	0.0	4.8	7.4	0.0	0.0	0.0	7.4	
	A2045 Walderslade Woods	Boxley Road	94.4	3.6	0.2	0.0	98.2	86.8	5.8	1.6	0.0	94.2	
	A2045 Walderslade Woods	Lords Wood Lane	557.4	121.6	13.0	0.0	692.0	578.4	128.6	12.4	0.0	719.4	
	A2045 Walderslade Woods	Westfield Sole Road	363.4	90.6	12.6	0.0	466.6	333.2	91.0	14.6	0.0	438.8	
	A2045 Walderslade Woods	Harp Farm Road	74.6	13.0	1.0	0.0	88.6	44.2	5.4	0.4	0.0	50.0	
	10. Lords Wood Lane/Albemarle Road/Dargets Road	Lords Wood Lane North	Lords Wood Lane North	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Lords Wood Lane North	Albemarle Road	6.4	0.2	0.0	13.0	19.6	5.0	0.0	0.0	13.0	18.0
		Lords Wood Lane North	Lords Wood Lane South	41.4	2.2	0.2	0.0	43.8	35.0	5.0	1.2	0.0	41.2
Lords Wood Lane North		Dargets Road	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	
Albemarle Road		Albemarle Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Albemarle Road		Lords Wood Lane South	21.2	0.8	0.2	0.0	22.2	20.8	0.6	0.6	0.0	22.0	
Albemarle Road		Dargets Road	7.4	0.0	0.0	0.0	7.4	17.0	0.4	0.2	0.0	17.6	
Albemarle Road		Lords Wood Lane North	1.4	0.0	0.0	9.0	10.4	0.6	0.0	0.0	9.0	9.6	
Lords Wood Lane South		Lords Wood Lane South	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Lords Wood Lane South		Dargets Road	146.8	10.8	1.8	2.0	161.4	65.8	6.0	1.6	1.8	75.2	
Lords Wood Lane South		Lords Wood Lane North	99.6	15.6	3.4	12.0	130.6	117.8	16.4	1.8	12.0	148.0	
Lords Wood Lane South		Albemarle Road	44.8	12.8	0.0	0.0	57.6	26.6	2.4	0.0	0.0	29.0	
Dargets Road		Dargets Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Dargets Road		Lords Wood Lane North	0.2	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.2	
Dargets Road		Albemarle Road	15.2	2.2	0.4	7.0	24.8	14.0	1.0	1.0	7.0	23.0	

	Dargets Road	Lords Wood Lane South	32.0	2.8	0.2	0.0	35.0	31.8	1.0	0.0	0.0	32.8
11. Princes Avenue/N Dane Way/Shawstead Road (two junctions interacting)	N Dane Way North	N Dane Way North	0.0	0.0	0.0	14.0	14.0	0.0	0.0	0.0	0.0	0.0
	N Dane Way North	Shawstead Road	19.2	2.0	0.2	0.0	21.4	38.4	0.0	0.0	0.0	38.4
	N Dane Way North	N Dane Way South	522.2	41.0	4.4	0.0	567.6	290.2	29.6	2.8	0.0	322.6
	N Dane Way North	Princes Avenue	669.8	50.0	4.2	13.6	737.6	366.2	35.8	3.8	0.0	405.8
	Shawstead Road	Shawstead Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Shawstead Road	N Dane Way South	93.4	7.4	0.0	0.0	100.8	0.0	0.0	0.0	0.0	0.0
	Shawstead Road	Princes Avenue	96.2	8.4	1.0	0.0	105.6	31.2	3.8	0.2	0.0	35.2
	Shawstead Road	N Dane Way North	16.6	1.6	0.0	0.0	18.2	193.2	38.4	2.2	0.0	233.8
	N Dane Way South	N Dane Way South	76.2	4.6	0.2	0.0	81.0	0.0	0.0	0.0	0.0	0.0
	N Dane Way South	Princes Avenue	132.8	12.4	1.0	0.0	146.2	31.2	3.8	0.2	0.0	35.2
	N Dane Way South	N Dane Way North	367.2	46.6	1.4	7.0	422.2	193.2	38.4	2.2	0.0	233.8
	N Dane Way South	Shawstead Road	76.6	5.2	0.2	0.0	82.0	0.0	0.0	0.0	0.0	0.0
	Princes Avenue	Princes Avenue	7.0	1.4	0.4	2.0	10.8	7.6	0.6	0.0	0.0	8.2
	Princes Avenue	N Dane Way North	306.6	35.8	3.0	15.0	360.4	127.8	32.2	2.0	0.0	162.0
	Princes Avenue	Shawstead Road	112.8	8.4	2.0	0.0	123.2	97.2	7.8	1.8	0.0	106.8
Princes Avenue	N Dane Way South	14.2	3.2	0.0	1.0	18.4	18.8	2.2	0.0	0.0	21.0	
12. Capstone Road North/Pear Tree Lane/New link	Capstone Road North	Capstone Road North	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2
	Capstone Road North	Pear Tree Lane	574.6	50.8	2.6	8.0	636.0	384.4	51.2	2.8	0.0	438.4
	Capstone Road North	Capstone Road South	434.6	34.0	4.8	0.0	473.4	531.6	34.2	3.0	0.0	568.8
	Pear Tree Lane	Pear Tree Lane	1.0	1.0	0.0	0.0	2.0	9.8	2.6	0.0	0.0	12.4
	Pear Tree Lane	Capstone Road South	57.2	13.6	0.0	0.0	70.8	544.6	34.4	5.8	0.0	584.8
	Pear Tree Lane	Capstone Road North	556.8	40.0	2.8	0.0	599.6	128.0	5.8	0.4	0.0	134.2
	Capstone Road South	Capstone Road South	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Capstone Road South	Capstone Road North	366.6	53.2	6.8	0.0	426.6	272.0	52.0	5.0	0.0	329.0
	Capstone Road South	Pear Tree Lane	146.6	17.4	0.0	0.0	164.0	552.8	38.4	2.4	0.0	593.6
13. Capstone Road/N Dane Way	Capstone Road North	Capstone Road North	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Capstone Road North	Access	3.8	0.2	0.0	0.0	4.0	4.4	0.4	0.0	0.0	4.8
	Capstone Road North	Capstone Road South	179.6	40.8	1.0	1.0	222.4	235.8	41.8	2.4	0.0	280.0
	Capstone Road North	N Dane Way	208.6	23.2	0.6	13.0	245.4	264.0	20.6	2.8	0.0	287.4
	Access	Access	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Access	Capstone Road South	57.6	3.6	0.0	0.0	61.2	63.6	2.0	0.0	0.0	65.6
	Access	N Dane Way	42.6	5.4	0.2	0.0	48.2	38.6	4.6	0.6	0.0	43.8
	Access	Capstone Road North	2.8	0.4	0.2	0.0	3.4	4.8	0.2	0.0	0.0	5.0
	Capstone Road South	Capstone Road South	2.0	0.0	0.0	0.0	2.0	5.2	0.0	0.0	0.0	5.2
	Capstone Road South	N Dane Way	660.4	54.2	7.0	0.0	721.6	388.6	38.4	3.0	0.0	430.0
	Capstone Road South	Capstone Road North	55.6	1.2	0.0	1.0	57.8	87.0	7.0	1.6	1.0	96.6
	Capstone Road South	Access	32.6	5.2	0.2	0.0	38.0	35.2	5.8	0.0	0.0	41.0
	N Dane Way	N Dane Way	0.0	0.0	0.0	14.0	14.0	0.0	0.0	0.0	0.0	0.0
	N Dane Way	Capstone Road North	120.0	20.2	2.0	15.0	157.2	149.8	27.8	3.4	0.0	181.0
	N Dane Way	Access	22.0	3.8	0.4	0.0	26.2	22.8	2.6	0.0	0.0	25.4
N Dane Way	Capstone Road South	544.8	59.8	2.0	7.0	613.6	193.4	42.0	0.8	0.0	236.2	
14. A229 Maidstone Road/A2045 Walderslade	A229 North offslip	A229 North onslip	83.0	7.2	0.0	0.0	90.2	92.0	6.4	0.0	0.0	98.4
	A229 North offslip	A2045 Walderslade Woods	333.6	66.8	9.2	0.0	409.6	374.0	58.6	7.4	0.0	440.0

Woods/Rochester Road	A229 North offslip	A229 South	0.8	0.0	0.0	0.0	0.8	0.6	0.2	0.0	0.0	0.8
	A229 North offslip	Rochester Road	105.0	4.6	0.6	0.0	110.2	112.4	2.6	0.4	0.0	115.4
	A2045 Walderslade Woods	A2045 Walderslade Woods	23.8	1.0	0.0	0.0	24.8	20.2	2.2	0.0	0.0	22.4
	A2045 Walderslade Woods	A229 South	246.4	22.6	5.8	0.0	274.8	247.6	23.2	4.6	0.0	275.4
	A2045 Walderslade Woods	Rochester Road	467.2	90.2	5.8	0.0	563.2	447.0	85.6	5.8	0.0	538.4
	A2045 Walderslade Woods	A229 North	127.4	25.2	2.8	0.0	155.4	138.0	22.2	0.8	0.0	161.0
	A229 South	A229 South	0.2	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.2
	A229 South	Rochester Road	467.0	89.6	33.0	0.0	589.6	478.0	79.8	33.8	0.0	591.6
	A229 South	A229 North	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	A229 South	A2045 Walderslade Woods	539.4	105.4	18.4	0.0	663.2	538.2	97.2	17.6	0.0	653.0
	Rochester Road	Rochester Road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rochester Road	A229 North	151.4	10.4	0.8	0.0	162.6	154.2	12.0	0.0	0.0	166.2
	Rochester Road	A2045 Walderslade Woods	539.4	105.4	18.4	0.0	663.2	538.2	97.2	17.6	0.0	653.0
	Rochester Road	A229 South	759.4	77.8	16.2	0.0	853.4	746.6	82.2	18.4	0.0	847.2
15. A229 Maidstone Road/A2045/A229	A2045 offslip	A2045 onslip	35.4	4.6	0.2	0.0	40.2	23.8	4.6	0.2	0.0	28.6
	A2045 offslip	A229 east	333.6	66.8	9.2	0.0	409.6	374.0	58.6	7.4	0.0	440.0
	A2045 offslip	A229 south	754.4	43.2	8.6	0.0	806.2	751.0	40.8	9.2	0.0	801.0
	A2045 offslip	west	20.8	1.6	0.6	0.0	23.0	25.4	1.2	0.0	0.0	26.6
	A229 east	A229 east	160.4	17.2	0.8	0.0	178.4	145.6	17.8	0.8	0.0	164.2
	A229 east	A229 south	246.4	22.6	5.8	0.0	274.8	247.6	23.2	4.6	0.0	275.4
	A229 east	west	39.0	2.2	0.0	0.0	41.2	46.8	1.2	0.2	0.0	48.2
	A229 east	A2045 onslip	423.0	62.8	12.4	0.0	498.2	408.4	64.2	10.8	0.0	483.4
	A229 south	A229 south	20.0	5.6	0.6	0.0	26.2	16.4	7.4	1.4	0.0	25.2
	A229 south	west	0.8	0.0	1.2	0.0	2.0	2.8	0.4	2.0	0.0	5.2
	A229 south	A2045 onslip	837.8	209.8	61.2	0.0	1108.8	848.8	211.8	70.4	0.0	1131.0
	A229 south	A229 east	2229.2	301.4	67.0	0.0	2597.6	2307.4	296.2	75.8	0.0	2679.4
	west	west	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	west	A2045 onslip	9.2	5.4	0.6	0.0	15.2	5.6	3.2	0.2	0.0	9.0
west	A229 east	21.2	17.4	0.2	0.0	38.8	16.8	13.0	0.4	0.0	30.2	
west	A229 south	8.6	0.2	0.0	0.0	8.8	15.2	0.0	0.0	0.0	15.2	
16. M2, J3/A2045/A229	M2 North offslip	M2 North onslip	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M2 North offslip	A2045	989.6	196.6	18.8	0.0	1205.0	974.2	200.8	13.8	0.0	1188.8
	M2 North offslip	M2 South onslip	0.0	0.2	0.2	0.0	0.4	0.2	0.0	0.0	0.0	0.2
	M2 North offslip	A229	1356.2	254.0	92.4	0.0	1702.6	1340.2	253.4	88.6	0.0	1682.2
	A2045	A2045	8.0	1.2	0.0	0.0	9.2	5.0	1.4	0.0	0.0	6.4
	A2045	M2 South onslip	218.6	93.6	25.2	0.0	337.4	212.0	104.6	23.2	0.0	339.8
	A2045	A229	232.2	23.2	1.2	0.0	256.6	254.2	13.4	2.6	0.0	270.2
	A2045	M2 North onslip	741.2	134.2	17.0	0.0	892.4	718.8	124.6	13.8	0.0	857.2
	M2 South offslip	M2 South onslip	0.6	0.6	0.0	0.0	1.2	1.2	1.0	0.0	0.0	2.2
	M2 South offslip	A229	865.6	74.8	30.2	0.0	970.6	869.8	70.6	36.8	0.0	977.2
	M2 South offslip	M2 North onslip	23.2	3.2	5.6	0.0	32.0	23.8	3.4	5.0	0.0	32.2
	M2 South offslip	A2045	255.8	4.8	1.0	0.0	261.6	238.2	4.2	1.4	0.0	243.8

	A229	A229	53.0	19.0	4.8	0.0	76.8	52.2	16.6	5.8	0.0	74.6
	A229	M2 North onslip	1859.0	204.0	67.2	0.0	2130.2	1960.0	224.4	74.8	0.0	2259.2
	A229	A2045	233.0	34.8	3.8	0.0	271.6	183.6	32.2	5.2	0.0	221.0
	A229	M2 South onslip	816.6	216.2	16.4	0.0	1049.2	821.2	206.2	15.8	0.0	1043.2
17.Princes Avenue/N Dane Way/New Link	N Dane Way North	N Dane Way North	0.0	0.0	0.0	14.0	14.0	0.0	0.0	0.0	0.0	0.0
	N Dane Way North	New Link East	19.2	2.0	0.2	0.0	21.4	48.6	0.0	0.0	0.0	48.6
	N Dane Way North	N Dane Way South	522.2	41.0	4.4	0.0	567.6	290.2	29.6	2.8	0.0	322.6
	N Dane Way North	Princes Avenue	669.8	50.0	4.2	13.6	737.6	366.2	35.8	3.8	0.0	405.8
	New Link East	New Link East	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	New Link East	N Dane Way South	93.4	7.4	0.0	0.0	100.8	161.2	5.8	2.4	0.0	169.4
	New Link East	Princes Avenue	96.2	8.4	1.0	0.0	105.6	421.6	23.4	3.6	0.0	448.6
	New Link East	N Dane Way North	16.6	1.6	0.0	0.0	18.2	40.2	1.4	0.0	0.0	41.6
	N Dane Way South	N Dane Way South	76.2	4.6	0.2	0.0	81.0	0.0	0.0	0.0	0.0	0.0
	N Dane Way South	Princes Avenue	132.8	12.4	1.0	0.0	146.2	31.2	3.8	0.2	0.0	35.2
	N Dane Way South	N Dane Way North	367.2	46.6	1.4	7.0	422.2	193.2	38.4	2.2	0.0	233.8
	N Dane Way South	New Link East	76.6	5.2	0.2	0.0	82.0	153.2	8.6	0.6	0.0	162.4
	Princes Avenue	Princes Avenue	7.0	1.4	0.4	2.0	10.8	7.6	0.6	0.0	0.0	8.2
	Princes Avenue	N Dane Way North	306.6	35.8	3.0	15.0	360.4	127.8	32.2	2.0	0.0	162.0
	Princes Avenue	New Link East	112.8	8.4	2.0	0.0	123.2	368.2	18.0	3.6	0.0	389.8
	Princes Avenue	N Dane Way South	14.2	3.2	0.0	1.0	18.4	18.8	2.2	0.0	0.0	21.0
18. New link/Shawstead Rd	New Link East	New Link East	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	New Link East	Shawstead Rd	0.0	0.0	0.0	0.0	0.0	78.0	3.2	0.8	0.0	82.0
	New Link East	New Link West	0.0	0.0	0.0	0.0	0.0	502.8	22.6	5.4	0.0	530.8
	Shawstead Rd	Shawstead Rd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Shawstead Rd	New Link West	0.0	0.0	0.0	0.0	0.0	115.0	7.6	0.6	0.0	123.2
	Shawstead Rd	New Link East	0.0	0.0	0.0	0.0	0.0	70.4	4.2	0.0	0.0	74.6
	New Link West	New Link West	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	New Link West	New Link East	0.0	0.0	0.0	0.0	0.0	437.6	19.0	2.4	0.0	459.0
New Link West	Shawstead Rd	0.0	0.0	0.0	0.0	0.0	135.6	7.8	1.8	0.0	145.2	
19. New link/Capstone Rd	New Link North	Capstone Rd	0.0	0.0	0.0	0.0	0.0	488.0	43.4	2.6	0.0	534.0
	New Link North	New Link South	0.0	0.0	0.0	0.0	0.0	595.8	25.4	6.2	0.0	627.4
	Capstone Rd	New Link South	0.0	0.0	0.0	0.0	0.0	22.6	0.0	0.0	0.0	22.6
	Capstone Rd	New Link North	0.0	0.0	0.0	0.0	0.0	365.0	66.6	4.8	0.0	436.4
	New Link South	New Link North	0.0	0.0	0.0	0.0	0.0	456.2	23.6	2.6	0.0	482.4
	New Link South	Capstone Rd	0.0	0.0	0.0	0.0	0.0	7.8	0.0	0.0	0.0	7.8
20.North Dane way/ New link	New Link East	North Dane North	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	New Link East	North Dane south	0.0	0.0	0.0	0.0	0.0	402.8	30.8	2.6	0.0	436.2
	North Dane North	New Link East	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	North Dane North	North Dane south	0.0	0.0	0.0	0.0	0.0	471.4	37.8	5.2	0.0	514.4
	North Dane south	New Link East	0.0	0.0	0.0	0.0	0.0	182.8	13.2	1.0	0.0	197.0
	North Dane south	North Dane North	0.0	0.0	0.0	0.0	0.0	372.0	49.4	3.0	0.0	424.4
21. Fostington Way/ A2045	A2045 South	A2045 North	514.6	83.8	5.6	0.0	604.0	510.2	80.4	5.2	0.0	595.8
	A2045 South	A2045 South	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	A2045 south	Fostington way East	68.4	14.8	0.4	0.0	83.6	75.8	15.2	0.4	0.0	91.4

	A2045 North	A2045 North	12.2	4.0	0.6	0.0	16.8	12.0	4.6	0.2	0.0	16.8
	A2045 North	A2045 South	1018.4	204.2	23.4	0.0	1246.0	990.6	205.8	24.8	0.0	1221.2
	A2045 North	Fostington way East	1045.6	221.8	27.2	0.0	1294.6	1025.2	219.4	31.4	0.0	1276.0
	Fostington way East	A2045 North	660.6	42.0	9.8	0.0	712.4	701.4	52.4	10.4	0.0	764.2
	Fostington way East	A2045 South	375.6	54.0	9.0	0.0	438.6	354.4	47.4	4.8	0.0	406.6
	Fostington way East	Fostington way East	57.8	3.8	0.8	0.0	62.4	58.0	5.4	1.4	0.0	64.8
22. Princess Avenue/Walderslade Rd	Princess Avenue North	Princess Avenue North	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Princess Avenue North	Walderslade North	329.0	29.6	16.0	0.0	374.6	386.2	38.2	15.6	0.0	440.0
	Princess Avenue North	Walderslade South	217.6	22.8	9.8	0.0	250.2	221.2	22.4	7.6	0.0	251.2
	Walderslade South	Princess Avenue North	524.2	93.0	24.2	0.0	641.4	539.8	95.8	32.4	0.0	668.0
	Walderslade South	Walderslade North	172.8	30.8	6.0	0.0	209.6	149.6	26.0	8.2	0.0	183.8
	Walderslade South	Walderslade South	92.0	17.4	2.0	0.0	111.4	84.0	15.4	2.2	0.0	101.6
	Walderslade North	Princess Avenue North	282.0	26.6	7.0	0.0	315.6	299.4	27.6	8.6	0.0	335.6
	Walderslade North	Walderslade North	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Walderslade North	Walderslade South	355.6	26.2	4.6	0.0	386.4	372.2	31.0	4.6	0.0	407.8
	23. Robinhood Lane/Walderslade Rd	Robinhood Lane East	Walderslade North	116.0	8.8	5.0	0.0	129.8	138.0	8.6	8.6	0.0
Robinhood Lane East		Walderslade South	176.6	13.6	2.4	0.0	192.6	185.6	12.6	3.2	0.0	201.4
Walderslade South		Robinhood Lane East	249.4	102.0	2.4	0.0	353.8	237.6	92.4	3.8	0.0	333.8
Walderslade South		Walderslade North	666.8	131.2	26.6	0.0	824.6	622.0	126.8	33.8	0.0	782.6
Walderslade North		Robinhood Lane East	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Walderslade North		Walderslade South	645.2	59.2	13.8	0.0	718.2	648.2	59.6	11.4	0.0	719.2
24. Luton Road/A2 Chatham Hill	Chatham Hill East	Luton Road	134.0	12.2	3.0	0.0	149.2	121.8	10.4	1.0	0.0	133.2
	Chatham Hill East	Chatham Hill West	836.4	77.4	7.8	22.0	943.6	773.2	65.8	3.8	19.0	861.8
	Chatham Hill West	Chatham Hill East	1088.4	112.6	3.2	27.0	1231.2	994.6	99.4	4.8	20.6	1119.4
	Chatham Hill West	Luton Road	338.4	28.2	12.6	22.6	401.8	310.0	24.4	10.4	7.4	352.2
	Luton Road	Chatham Hill West	589.8	61.2	4.4	34.4	689.8	526.6	60.6	5.2	15.0	607.4
25. Barnsole Road/A2 Watling Street	Barnsole Road	Watling Street East	146.2	5.8	3.0	0.0	155.0	163.0	5.8	2.0	0.0	170.8
	Watling Street East	Derby Road	1.2	0.2	0.0	0.0	1.4	52.6	6.6	2.2	0.0	61.4
	Watling Street East	Watling Street West	1035.2	82.6	14.2	16.8	1148.8	1010.0	83.8	11.4	15.0	1120.2
	Watling Street East	Barnsole Road	126.6	15.8	1.4	3.0	146.8	119.8	15.6	3.0	2.4	140.8
	Watling Street West	Barnsole Road	87.8	6.6	0.2	0.0	94.6	85.8	5.6	1.6	0.0	93.0
	Watling Street West	Watling Street East	865.0	75.4	2.8	27.2	970.4	850.8	75.2	3.2	21.8	951.0
26. Woodlands Road/A2 Sovereign Boulevard	Woodlands Road	Sovereign Boulevard East	200.6	7.8	1.0	0.0	209.4	186.8	7.8	2.8	0.0	197.4
	Woodlands Road	Rotary Gardens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Woodlands Road	Sovereign Boulevard West	12.8	0.4	0.2	0.0	13.4	11.0	0.4	0.0	0.0	11.4
	Sovereign Boulevard East	Rotary Gardens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sovereign Boulevard East	Sovereign Boulevard West	1386.2	119.4	24.2	19.4	1549.2	1367.8	126.0	20.6	17.0	1531.4
	Sovereign Boulevard East	Woodlands Road	96.8	8.4	2.8	0.0	108.0	84.6	8.8	2.4	0.0	95.8
	Sovereign Boulevard West	Woodlands Road	11.8	1.6	0.2	0.0	13.6	15.8	3.8	0.0	0.0	19.6
	Sovereign Boulevard West	Sovereign Boulevard East	1116.2	85.2	5.2	26.2	1232.8	1106.8	79.0	5.8	21.4	1213.0

27. A278 Hoath Way/Courteney Road/Hoath Lane	Courteney Road	Hoath Lane	20.2	6.6	0.0	0.0	26.8	25.4	7.8	0.2	0.0	33.4
	Courteney Road	Hoath Way Eastern Link	41.4	7.0	1.6	0.0	50.0	35.0	8.6	0.8	0.0	44.4
	Hoath Lane	Hoath Way Eastern Link	136.2	18.4	5.0	0.0	159.6	144.2	15.4	5.2	0.0	164.8
	Hoath Lane	Courteney Road	1.2	0.0	0.0	0.0	1.2	1.2	1.0	0.0	0.0	2.2
	Hoath Way Eastern Link	Courteney Road	80.0	37.4	0.4	0.0	117.8	62.0	37.2	1.0	0.0	100.2
	Hoath Way Eastern Link	Hoath Lane	310.4	14.8	1.6	0.0	326.8	339.0	17.0	2.0	0.0	358.0
28. Albemarle Road/Clandon Road	Albemarle Road North	Clandon Road	112.8	9.0	3.0	0.0	124.8	129.0	8.6	0.8	0.0	138.4
	Albemarle Road North	Albemarle Road South	266.8	25.0	0.8	0.0	292.6	323.0	27.8	4.4	0.0	355.2
	Clandon Road	Albemarle Road South	57.2	1.8	0.8	3.8	63.6	73.0	4.0	0.8	3.4	81.2
	Clandon Road	Albemarle Road North	79.4	7.0	0.0	0.0	86.4	69.8	8.4	0.2	0.0	78.4
	Albemarle Road South	Albemarle Road North	265.4	37.2	1.0	0.0	303.6	261.6	29.0	1.8	0.0	292.4
	Albemarle Road South	Clandon Road	43.4	3.6	1.2	14.0	62.2	40.4	5.0	1.2	14.0	60.6
29. N Dane Way/Lords Wood Lane	N Dane Way North	N Dane Way South	438.2	34.8	3.8	0.0	476.8	535.6	51.0	4.8	0.0	591.4
	N Dane Way North	Lords Wood Lane	194.8	16.8	0.6	1.0	213.2	339.2	17.6	3.0	0.0	359.8
	N Dane Way South	Lords Wood Lane	3.0	0.6	0.0	0.0	3.6	3.8	0.0	0.2	0.0	4.0
	N Dane Way South	N Dane Way North	313.4	38.6	0.8	0.0	352.8	326.8	43.0	2.0	0.0	371.8
	Lords Wood Lane	N Dane Way North	132.0	12.8	0.8	7.0	152.6	217.8	18.2	2.0	0.0	238.0
	Lords Wood Lane	N Dane Way South	33.2	4.6	0.0	0.0	37.8	30.6	3.4	0.2	0.0	34.2
30. Street End Road/Capstone Road/Luton High Street	Luton High Street	Capstone Road	192.0	26.2	1.4	14.0	233.6	263.4	25.8	4.2	0.0	293.4
	Luton High Street	Street End Road	471.6	39.4	9.2	9.0	529.2	434.6	41.4	6.0	8.0	490.0
	Capstone Road	Street End Road	50.0	1.0	1.0	0.0	52.0	31.4	1.6	1.2	0.0	34.2
	Capstone Road	Luton High Street	117.4	17.2	0.4	16.2	151.2	198.4	32.4	3.6	1.0	235.4
	Street End Road	Luton High Street	390.4	30.8	4.4	11.0	436.6	371.6	30.0	3.8	11.0	416.4
	Street End Road	Capstone Road	187.4	37.0	0.4	0.0	224.8	225.8	35.4	1.0	0.0	262.2
31. Ash Tree Lane/Beacon Road	Ash Tree Lane North	Ash Tree Lane South	854.8	63.2	9.8	0.0	927.8	796.6	59.0	5.8	0.0	861.4
	Ash Tree Lane North	Beacon Road	22.4	4.0	0.0	0.0	26.4	39.2	5.2	0.2	0.0	44.6
	Ash Tree Lane South	Beacon Road	200.0	20.0	3.4	0.0	223.4	73.8	10.0	1.6	0.0	85.4
	Ash Tree Lane South	Ash Tree Lane North	420.0	103.2	5.0	0.0	528.2	428.6	103.0	2.8	0.0	534.4
	Beacon Road	Ash Tree Lane North	87.6	7.6	0.2	0.0	95.4	92.4	5.4	0.2	0.0	98.0
	Beacon Road	Ash Tree Lane South	142.8	21.0	0.4	0.0	164.2	125.0	14.2	0.4	0.0	139.6
32. Capstone Road/Ash Tree Lane	Ash Tree Lane	Capstone Road South	569.4	45.8	5.6	0.0	620.8	584.0	39.2	3.2	0.0	626.4
	Ash Tree Lane	Capstone Road West	437.0	39.8	4.6	0.0	481.4	365.8	37.2	3.0	0.0	406.0
	Capstone Road South	Capstone Road West	558.2	27.0	3.0	1.0	589.2	144.0	12.6	1.6	1.0	159.2
	Capstone Road South	Ash Tree Lane	419.2	77.6	6.6	0.0	503.4	326.4	73.8	3.8	0.0	404.0
	Capstone Road West	Ash Tree Lane	196.6	44.6	1.6	0.0	242.8	183.0	41.4	0.8	0.0	225.2
	Capstone Road West	Capstone Road South	595.4	61.2	1.6	8.0	666.2	320.4	44.8	2.4	0.0	367.6
33. Pear Tree Lane/Hempstead Road	Pear Tree Lane	Hempstead Valley Drive	540.8	57.6	4.6	7.0	610.0	567.4	49.4	4.0	0.0	620.8
	Pear Tree Lane	Hempstead Road	55.0	1.2	2.6	0.0	58.8	53.8	1.4	2.6	0.0	57.8
	Hempstead Valley Drive	Hempstead Road	90.4	11.8	12.4	0.0	114.6	101.4	10.6	9.6	0.0	121.6
	Hempstead Valley Drive	Pear Tree Lane	406.8	52.6	2.6	3.8	465.8	426.2	56.6	3.6	4.0	490.4
	Hempstead Road	Pear Tree Lane	67.2	8.6	0.8	0.0	76.6	45.8	7.4	5.8	0.0	59.0
	Hempstead Road	Hempstead Valley Drive	252.0	60.4	2.8	0.0	315.2	204.6	61.4	4.8	0.0	270.8

34. Hempstead Valley Drive/Hempstead Road	Hempstead Valley Drive North	Hempstead Road	698.0	107.6	7.2	0.0	812.8	676.8	99.6	7.2	0.0	783.6
	Hempstead Valley Drive North	Hempstead Valley Drive South	97.2	10.4	0.2	7.0	114.8	97.0	11.6	1.6	0.0	110.2
	Hempstead Road	Hempstead Valley Drive South	35.4	4.0	0.2	0.0	39.6	42.0	4.0	0.2	0.0	46.2
	Hempstead Road	Hempstead Valley Drive North	470.0	61.8	14.8	0.0	546.6	508.6	64.0	13.2	0.0	585.8
	Hempstead Valley Drive South	Hempstead Valley Drive North	26.4	2.2	0.0	3.8	32.4	17.8	3.2	0.0	4.0	25.0
	Hempstead Valley Drive South	Hempstead Road	34.6	2.8	0.4	1.0	38.8	39.8	5.2	0.2	1.0	46.2