

## Aldershot Urban Extension

### Technical Note 17 – Phasing

Job Title	Aldershot Urban Extension
Client	Grainger Plc
Project Number	11570364
Date	May 2013
Version	1
Author	David Dixon, Senior Engineer
Authorised	Andrew Blacker, Technical Director

#### 1.1 INTRODUCTION

1.1.1 This Technical Note has been prepared to provide HCC with the proposed phasing of the highways infrastructure improvements associated with the proposed Wellesley development site. The note will identify the triggers of the different components of the infrastructure throughout the full development of the site.

#### 1.2 PHASING PLAN AND ACCOMODATION SCHEDULE

1.2.1 A phasing plan has been prepared for the development and identifies the proposed phasing schedule for the site. The phasing plan splits the development into 20 areas to be constructed between 2013 and 2026. The Development phasing plan and delivery schedule is contained in Appendix A.

#### 1.3 PHASING ASSESSMENT METHODOLOGY

1.3.1 A large proportion of the highway infrastructure promoted is for improved safety for both pedestrians and road users. However, the proposed A331 On-slip with associated works on the Government Road corridor is required to relieve pressure on the local highway network surrounding the development site. As such, the phasing of this piece of infrastructure is important to the delivery of the site and is more dependent on transport capacity than highway safety.

1.3.2 To determine the phasing of the A331 On-slip and the Government Road corridor, additional phasing assessments have been undertaken using the SATURN model. This has enabled WSP to determine an appropriate trigger point for the A331 on-slip to accommodate the development without any significant impacts upon the highway network.

1.3.3 Utilising the phasing plan contained within Appendix A, WSP reviewed a number of development scenarios through the development life. The assessment years assume all other infrastructure proposals have been introduced and only determine the timings for the A331 On-slip. To enable like for like comparison

1.3.4 The modelling assessments undertaken are for 1325 units plus employment without the A331 on-slip and Government Road improvements, all other improvements have been included. The assessment has been undertaken during a forecast year of 2018 and assessed against a baseline scenario of 2018 without development and improvements but includes committed developments as agreed in the previous modelling work.

## 1.4 TRAFFIC MODEL RESULTS

1.4.1 WSP have determined that 1325 residential units could be implemented prior to the construction of the A331 On-slip. The results indicate that between the 2018 Do Minimum assessment and the 2018 Do Something (1325 units) incurred minimal increase in delay across the highway network.

1.4.2 The V/C for the modelled junctions for a forecast year of 2018 with 1325 units and employment, compared against the baseline 2018 data are contained within Appendix B.

1.4.3 Assessing specific impacts across this network has not been straight forward as there are some junctions showing increased capacity and others showing reductions. The overall network statistics show that there are no severe effects with the increase of units in 2018 possibly due to the mitigation works to the A325 and A323 as shown in Table 1 below.

**Table 1 – Network Statistics**

Network Statistics	2018 Baseline		1325 Units + employment	
	AM	PM	AM	PM
Average Delay Time per Veh (min/sec)	00:54	01:03	00:53	00:55
Average Travel Time per Veh (min/sec)	26:57	26:12	26:52	26:01

## 1.5 PHASED INFRASTRUCTURE

1.5.1 The remaining infrastructure improvements as stated provide improved safety for both road users and pedestrians/cyclists. As such, the phasing of these will be dependent upon the zonal phasing of the proposed site and will be developed when necessary for residents.

1.5.2 The following table sets out the proposed infrastructure based upon the Development Zone Plan contained within Appendix A.

**Table 2 – Phasing of Highway Infrastructure**

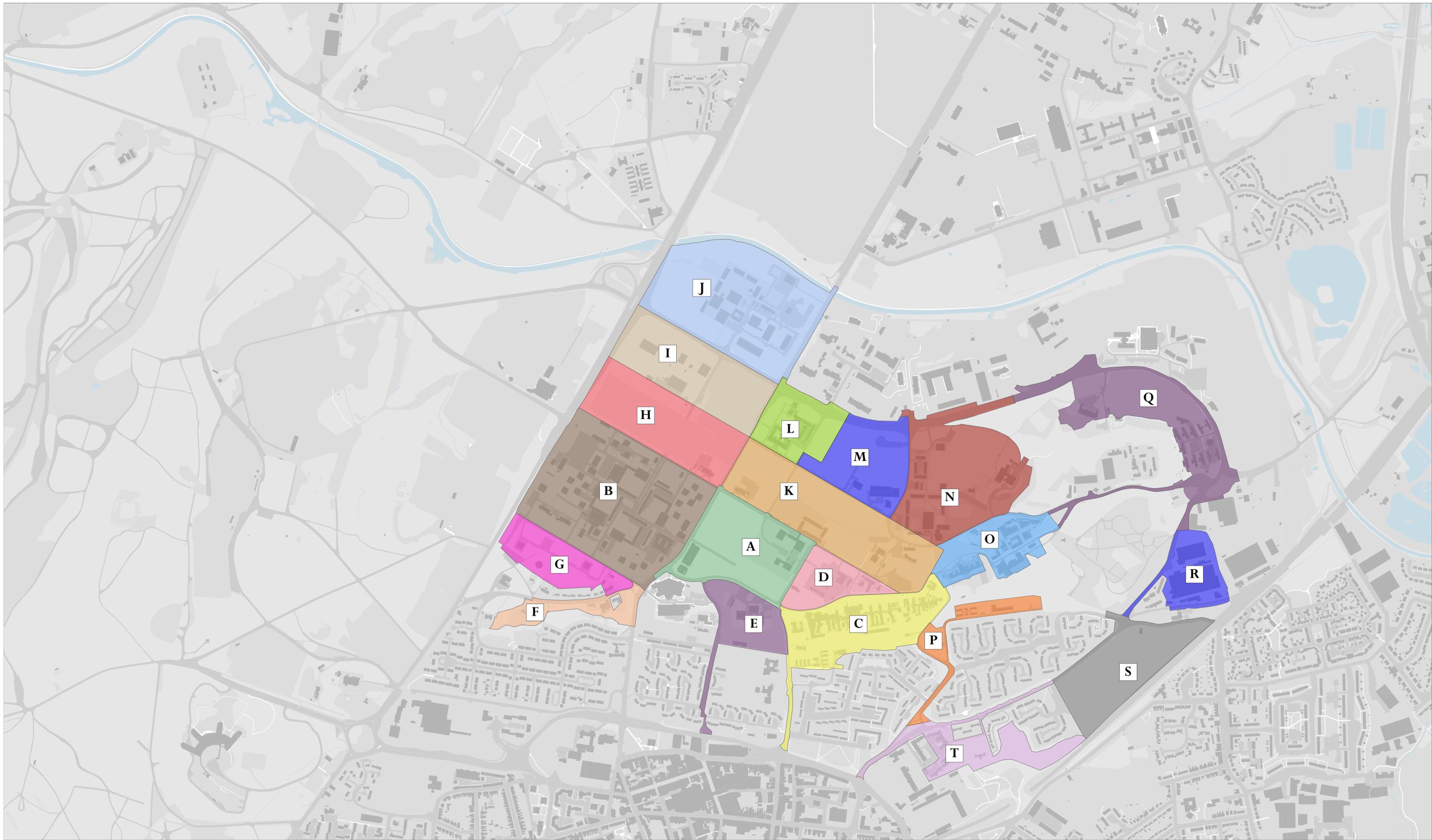
Zone(s)	Infrastructure -	Drawing No	Notes
A	Site Access Foot/Cycle upgrade from Middle Hill across A323	0364/GA/008 0364/SK/041	
B/C/D/E	Foot/cycle improvements at Gun Hill Safety Scheme along A325 Farnborough Road with new Pennefathers Access Implement footway improvement scheme along A323 High Street/Ash Road towards Connaught School	0364/SK/032 0364/GA/004 0364/GA/006 0364/GA/007 0364/SK/033 0364/SK/045	Speed limit change and new access into Pennefather's to be implemented early in Phase B (2014) alongside footway improvements to Connaught School. Remainder to follow.
F/G/H	Hospital Hill South Improvements Foot/cycle improvements	0364/GA/005 0364/SK/039	Footway cycle improvements along A325 will need to be

	north towards Queens Roundabout		constructed early in phase F (2016).
Prior to occupation of 1325 units	A331 On Slip and Government Road corridor improvements.	0364/GA/001 0364/GA/002 0364/SK/034 0364/SK/036 0364/SK/037 0364/SK/038	Strategic infrastructure to be implemented prior to Phase G. To accommodate additional traffic associated with the On-Slip, improvements to the A331/A325 roundabout and Louise Margaret Road to be implemented alongside pedestrian improvements along Ordnance Road
I/J	Finalise Hospital Hill / Queens Avenue Corridor up to Alison's Road including reduction to single lane east towards A325	0364/GA/003	Proposed narrowing of Queens Avenue and Western Edge of Alison's Road to be complete prior to completion of phases I/J (approx. 2018)
K/L/M/N	Complete narrowing of Alison's Road to single carriageway	N/A	
Q/R/S/T	Finalise adoption of highways	0364/SK/043 or 30	1 <sup>st</sup> occupation on dwellings

## 1.6 CONCLUSIONS

1.6.1 This technical note has identified the proposed phasing of infrastructure works associated with the Wellesley development. The proposed phasing allows for a viable programme as well as a highway network that can accommodate the development traffic over its 20+ year construction.

## Appendix A Phasing Plans



**KEY**

<b>A</b> MAIDA	<b>D</b> MCGRIGOR	<b>G</b> PENNEFATHERS	<b>J</b> BROWNING	<b>M</b> BULLER	<b>P</b> PEAKED HILL	<b>S</b> REME
<b>B</b> CORUNA	<b>E</b> GUNHILL	<b>H</b> STANHOPE LINES WEST	<b>K</b> STANHOPE LINES EAST	<b>N</b> GOD'S ACRE	<b>Q</b> CLAYTON	<b>T</b> PARSONS
<b>C</b> CMH	<b>F</b> KNOLLYS	<b>I</b> SCHOOL END	<b>L</b> NEIGHBOURHOOD CENTRE	<b>O</b> MANDORA	<b>R</b> ABRO	



Ordnance Survey, © Crown Copyright 2011. All rights reserved. Licence number 100026449

Wellesley:  
Illustrative Delivery Plan

Development Zone	No. Units	Private 65%	AHU 35%	2013/20	2014/2015	2015/20	2016/201	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/202	2024/202	2025/20	Total		Accum Total
				14		16	7			4	5	26	Private	AHU					
A. Maida	228	148	80	175	53												228		228
B. Coruna	705	458	247	114   61	34   19	120	128	120	120	97							148	80	933
C. CMH	134	87	47		78   42	78   42	83   45	78   42	78   42	63   34							458	247	1067
D. McGrigor	118	77	41		77	57											87	47	1185
E. Gunhill	105	68	37		50   27	37   20	73	45									77	41	1290
F. Knollys Road	22	14	8			47   26	30   15										105		1312
G. Pennyfathers	123	80	43				105										68	37	1435
H. Stanhope Lines West	162	105	57				49   26	31   17									80	43	1597
I. School End	105	68	37				57	105									105	57	1702
J. Browning/Canalside	475	309	166				52   28	16   9									68	37	2177
K. Stanhope Lines East	255	167	88				59	100	122	120	74						38	21	2432
L. Neighbourhood Centre	16	10	6				38   21	65   35	79   43	78   42	49   25						110	112	2448
M. Buller	243	158	85				16										72   39	73   39	2691
N. God's Acre	170	110	60				10   6			26	120	97					17   9	78   42	2861
O. Mandora	133	87	46														33   17	77   43	2994
P. Peaked Hill	60	39	21														47	86	3054
Q. Clayton	298	194	104														32   15	55   31	3352
S. REME	392	255	137														30	30	3744
T. Parsons	106	69	37														20   10	19   11	3850
TOTAL	3850	2503	1347	175	250	250	300	350	350	350	350	350	350	300	300	175	3850		3850
TOTAL MIX				114   61	162   88	162   88	195   105	227   123	227   123	227   123	228   123	228   123	230   120	193   107	197   103	114   61	2503	1347	

lower density (30-45)	0	0	0	22	80	82	105	110	162	153	0	0	0	714
Medium Density (46-60)	175	173	120	233	179	220	245	240	171	30	95	120	113	2114
Higher Density (61-80)	0	0	0	0	75	48	0	0	17	120	119	180	62	621
Heritage	0	77	130	45	0	0	0	0	0	47	86	0	0	385
Neighbourhood Centre	0	0	0	0	16	0	0	0	0	0	0	0	0	16
Total	175	250	250	300	350	350	350	350	350	350	300	300	175	3850
Average monthly build out rate - Private Units Only	9	14	14	16	19	19	19	19	19	19	16	16	10	

Notes

1. Assume demolition of existing buildings on each component area are completed 6 months prior to first occupations
2. Assume the land for the HWRC & Commercial units in the ABRO site are delivered by year 3
3. Neighbourhood Centre will be delivered in year 5
4. Do not use Densities in the ES
5. The ES & Masterplan is based on 3,850 units but each component area should be tested for an extra 5% to allow for flexibility

## Appendix B Traffic Modelling Results

Junction	Junction Arm	2018 DM AM	2018 DS AM	2018 DM PM	2018 DS PM
A287 Odiham Road / B3013 Beacon Hill Road	B3013 Beacon Hill Road	103.85	103.29	103.46	103.96
	A287 Odiham Road (east)	90.41	94.51	97.82	94.07
	A287 Odiham Road (west)	108.8	109.04	107.03	105.94
A287 Odiham Road / Dora's Green Lane	A287 Odiham Road (east)	84.13	86.73	82.42	79.79
	A287 Odiham Road (west)	36.69	35.48	41.36	40.82
	Dora's Green Lane (south)	23.47	23.61	20.62	18.43
A323 Ash Road / North Lane	A323 Ash Road (east)	86.98	91.77	88.9	84.97
	A323 Ash Road (west)	87.85	92.51	91.57	90.34
	North Lane	73.61	80.01	86.86	87.5
A323 High Street / Ordnance Road / Windsor Way	A323 High Street (east)	88.69	99.86	53.75	87.2
	A323 High Street (west)	59.72	80.76	98.23	102
	Ordnance Road	39.8	65.1	53.11	90.39
	Windsor Way	22.66	40.75	43.2	96.38
B3007 Grosvenor Road / B3008 Queen's Road / Victoria Road	B3007 Grosvenor Road (north)	86.66	91.59	93.93	91.8
	B3007 Grosvenor Road (south)	85.05	88.12	90.25	86.83
	B3008 Queens Road (west)	2.99	6.01	27.42	62.31
A325 Farnborough Road / B3008 Cranmore Lane	A325 Farnborough Road (north)	60.33	68.27	98.26	100.58
	A325 Farnborough Road (south)	59.8	61.46	56.44	59.77
	Cranmore Lane	27.33	28.35	50.47	52.12
Oberursel Way / Alexandra Road / Lime Street	Oberursel Way	50.38	38.82	94.59	84.96
	Lime Street	76.7	80.57	81.87	59.49
A323 Wellington Avenue / Hospital Hill / B3007 Princes Way	Hospital Hill	81.73	74.35	85.17	85.75
	B3007 Princes Way	34.5	9.53	80.1	20.57
	A323 Wellington Avenue (west)	67.44	75.55	84.02	86.55
	A323 Wellington Avenue (east)	66.43	40.53	68.83	43.38
A325 Farnborough Road / A323 Wellington Avenue / Wellesley Road	A325 Farnborough Road (north)	73.56	89.04	96.43	101.74
	A325 Farnborough Road (south)	76.38	82.72	49.3	57.8
	A323 Wellington Avenue	54.08	62.44	64.12	74.34
	Wellesley Road	84.87	95.56	63.73	75.71
Thornhill Road / Government Road / Ordnance Road	Thornhill Road	28.35	23.2	32.55	31.97
	Government Road	103.01	100.69	88.59	81.74
	Ordnance Road	50.01	36.79	71.25	30.51
	Gallwey Road	50.01	44.91	71.25	59.77
Lakeside Road / Government Road / Hollybush Lane	Lakeside Road	71.03	76.24	39.07	40.94
	Government Road	51.91	51.73	78.83	79.27
	Hollybush Lane	2.21	2.29	7.58	7.68
B3013 Beacon Hill Road / Bourley Road	B3013 Beacon Hill Road (north)	105.82	106.17	110.01	110.86
	B3013 Beacon Hill Road (south)	111.51	110.37	95.68	98.63
A323 Aldershot Road / Reading Road S	A323 Reading Road S (north)	92.41	90.07	93.65	87.07
	A323 Aldershot Road	76.25	78.73	94.14	97.82
	Reading Road S (south)	42.65	42.69	49.23	48
A323 Aldershot Road / A323 Norris Hill Road / B3010 Kings Road	A323 Aldershot Road	85.2	83.86	55.76	50.28
	A323 Norris Hill Road	57.15	56.59	72.53	69.86
	B3010 Kings Road (north)	84.27	82.92	26.72	28
B3010 Kings Road / A3013 Fleet Road	B3010 Kings Road (south)	87.76	88.03	75.91	76.86
	A3013 Fleet Road (north)	60.99	60.55	78.64	76.03
	A3013 Fleet Road (south)	98.99	98.46	69.91	68.84
A3013 Fleet Road / A323 Reading Road S / A323 Reading Road N	A3013 Fleet Road	105.96	105.99	107.79	109.15
	Reading Road N	103.55	103.19	101.96	100.55
	Reading Road S	109.44	110.02	106.97	107.23
Ively Road / A323 Norris Hill Road roundabout	Ively Road (south)	90.37	91.55	45.16	47.94
	Ively Road (north)	31.35	31.64	69.21	69.52
A323 Fleet Road / Ively Road	Ively Road (north)	38.6	38.29	74.33	75.5
	A323 Fleet Road	76.25	77.54	96.49	93.82
A323 Norris Hill Road / A323 Fleet Road	A323 Norris Hill Road	83.92	82.73	30.58	32.02
	A323 Fleet Road	27.21	27.73	60.58	56.05
A325 Farnborough Road / Alison's Road / Clubhouse Road	A325 Farnborough Road (north)	44.39	41.63	101.81	100.37
	Alison's Road	38.05	42.51	34.6	44.14
	Clubhouse Road	36.23	42.05	37.51	50.88
A323 Ash Road / Lower Newport Road / B3208 Lower Farnham Road	A323 Ash Road	94.51	94.54	79.9	86.67
	Lower Newport Road	93.62	95.45	79.97	87.61
	B3208 Lower Farnham Road	99.06	96.47	81.25	88.4
A3011 Lynchford Road / B3403 Alexandra Road / Queen's Avenue	A3011 Lynchford Road (east)	87	85.7	66.05	65.6
	B3403 Alexandra Road	68.15	68.66	93.06	89.53
	Queen's Avenue	67.76	70.76	43.34	40.8
	A3011 Lynchford Road (west)	55.58	57.45	73.36	69.91
A3011 Lynchford Road / Queens Roundabout	A3011 Lynchford Road	76.15	80.58	52.89	48.72
	Queens Roundabout	27.68	28.42	32.73	34.87
A325 Farnborough Road / Queens Roundabout	A325 Farnborough Road	96.97	100.23	34.09	36.04
	Queens Roundabout	33.73	33.43	10.89	9.81
A325 Farnborough Road / Queens Roundabout	A325 Farnborough Road (north)	65.53	68.47	99.3	100.5
	Queens Roundabout	69.14	69.64	39.19	39.14
Rectory Road / Avenue Road	Rectory Road (east)	91.54	91.65	91.84	90.24
	Avenue Road	87.21	88.72	105.36	104.95
	Rectory Road (west)	98.53	98.66	104.64	104.96
Marrowbrook Lane / B3014 Cove Road / B3014 Victoria Road	Marrowbrook Lane	87.03	86.96	98.54	98.67
	B3014 Victoria Road	46.57	47.22	38.44	36.21
	B3014 Cove Road	43.72	44.42	39.99	38.17
Union Street / Prospect Road	Union Street	70.67	66.83	85.56	81.96
	Prospect Road (north)	67.19	41.47	70.2	46.9
	Prospect Road (south)	65.04	64.46	81.46	74.7
Prospect Road / Mayfield Road	Prospect Road (north)	68.13	60.7	100.13	98.59
	Mayfield Road	58.1	52.65	68.47	65.03
	Prospect Road (south)	33.24	27.39	45.96	39.7
A325 Farnborough Road / Pinehurst Roundabout	A325 Farnborough Road (north)	90.88	90.19	86.64	84.49
	Pinehurst Roundabout	33.54	34.48	47.65	46.86
N Gate Road / A325 Farnborough Road / B3403 Boundary Road	N Gate Road	62.27	64.77	105.14	106.82
	B3403 Boundary Road	63.35	62.14	100.3	97.13
	A325 Farnborough Road (south)	67.11	67.59	99.6	99.21
A325 Farnborough Road / Pinehurst Roundabout	A325 Farnborough Road (south)	100.37	100.43	105.42	106.06
	Pinehurst Roundabout	22.15	22.01	18.95	18.22
A327 Meudon Avenue / Pinehurst Roundabout	A327 Meudon Avenue (west)	83.37	84.68	103.68	103.26
	Pinehurst Roundabout	14.04	14.2	14.78	14.48
A327 Elles Road / Sulzers Roundabout	A327 Elles Road (east)	82.64	83.26	46.2	46.06
	Sulzers Roundabout	18.23	18.25	22.3	22.59
A327 Elles Road / Elles Road roundabout	A327 Elles Road (west)	85.89	86.11	59.29	60.78
	Elles Road roundabout	4.22	4.15	8.85	8.17
A327 Elles Road / Elles Road roundabout	A327 Elles Road (west)	85.89	86.11	55.19	57.5
	Elles Road roundabout	45.37	44.57	70.7	71.15
	A327 Ively Road (north)	101.61	101.62	62.23	63.46

Junction	Junction Arm	2018 DM AM	2018 DS AM	2018 DM PM	2018 DS PM
A327 Ively Road / A327 Elles Road / Ively Road	A327 Elles Road	49.9	48.93	78.06	78.67
	Ively Road (west)	65.71	65.64	61.48	64.39
Ively Road / Kennels Lane	Ively Road	87.18	88.32	43.57	46.25
	Kennels Lane (east)	19.39	19.21	59.36	59.36
	Kennels Lane (north)	59.85	60.49	30.4	30.73
Kennels Lane / A327 Summit Avenue	Kennels Lane (south)	101.26	101.69	73.68	76.42
	A327 Summit Avenue (east)	65.32	65.12	60.2	60.48
	A327 Summit Avenue (west)	85.26	84.77	60.17	59.92
A327 / A327 Summit Avenue / Ively Lane	A327 (north)	94.56	94.05	51.36	50.35
	A327 Summit Avenue (east)	63.01	62.84	54.35	55.43
	Ively Lane (south)	41.5	41.3	69.27	70.07
A327 / A327 roundabout (north of Fleet Road)	A327 (from M3)	99.88	99.82	84.18	83.08
	A327 (from Summit Avenue)	90.8	89.39	70.63	70.17
	A3013 Fleet Road	64.99	64.71	98.39	98.59
M3 Junction 4a / eastbound off-slip	M3 eastbound off-slip	77.82	78.05	70.91	70.89
M3 Junction 4a / westbound off-slip	M3 westbound off-slip	79.44	79.17	85.91	86.15
A3011 Lynchford Road / A331 slip roads	A331 northbound off-slip	84.48	86.33	73.18	72.1
	A3011 Lynchford Road (east)	88.4	87.2	67.82	68.11
	A3011 Lynchford Road (west)	76.23	78.31	100.39	101.05
A3011 Lynchford Road / A331 slip roads / B3166 Stratford Road	B3166 Stratford Road	97.5	95.65	79.68	80.66
	A331 southbound off-slip	47.91	47.47	52.91	53.47
	A3011 Lynchford Road (west)	44.54	45.92	54.41	55.39
	Lynchford Lane (north)	20.96	20.58	36.03	35.84
	Hollybush Lane	0	0	0	0
Coleford Bridge Road / A331 Southbound slip road	Coleford Bridge Road	99.9	99.82	83.11	83.5
	A331 Southbound slip road	60.23	60.4	67.31	66.2
A325 Farnborough Road / B3272 Hawley Lane (North - Circulatory / A325 Farnborough Road NB exit)	A325 Farnborough Road roundabout (circulating)	85.35	84.91	89.21	87.37
A325 Farnborough Road roundabout	A325 Farnborough Road (north)	65.41	65.97	98.03	96.94
	A325 Farnborough Road roundabout	44.01	43.78	46	45.05
Frimley High Street / A325 Farnborough Road	Frimley High Street (from western roundabout)	74.81	75.47	87.63	83.22
	A325 Farnborough Road roundabout	29.44	29.67	52.23	52.63
A325 Farnborough Road roundabout	A325 Farnborough Road roundabout	96.96	97.26	100.52	100.55
B3272 Hawley Lane / A325 Farnborough Road roundabout	B3272 Hawley Lane	94.43	94.67	53.49	51.47
	A325 Farnborough Road roundabout	46.02	45.81	50.14	48.65
A331 northbound off-slip	A331	94.21	94.46	87.08	87.15
Frimley High Street (eastern roundabout) / A331 southbound off-slip	Frimley High Street (north)	99.55	99.77	91.33	93.47
	Frimley High Street (from western roundabout)	51.34	51.22	49.53	50.23
	A331 southbound off-slip	54.74	54.98	38.92	39.2
A331 northbound off-slip / Frimley High Street (western roundabout)	A331 northbound off-slip	80.72	80.89	84.32	91.81
	Frimley High Street (from eastern roundabout)	38.8	38.81	39.64	40.14
	B3272 Frimley High Street	86.16	86.34	100.42	102.25
A325 Farnborough Road / Rectory Road / Victoria Road	Rectory Road	96.47	95.87	77.42	75.58
	A325 Farnborough Road roundabout	30.8	30.49	23.45	23.34
A325 Farnborough Road / Rectory Road / Victoria Road	A325 Farnborough Road roundabout	89.3	89.09	90.88	92.08
	Victoria Road	54.39	54.25	69.27	70.79
B3013 Beacon Hill Road / Sandy Lane	B3013 Beacon Hill Road (north)	67.57	67.46	85.65	86.22
	B3013 Beacon Hill Road (south)	69.52	69.79	63.81	63.9
A327 Summit Avenue / Kennels Lane	A327 Summit Avenue (west)	95.99	95.44	67.74	67.46
	A327 Summit Avenue (east)	48.21	48.09	47.18	47.62
M3 Junction 4 eastbound off-slip	M3 eastbound	82.62	82.75	83.54	83.57
M3 Junction 4a / A327 northern roundabout / A327 Minley Road	A327 Minley Road	93.37	93.74	79.65	76.79
	A327 northern roundabout	45.48	45.56	44.12	44.19
M3 Junction 4a westbound slip roads / A327 southern roundabout	A327 southern roundabout	87.27	87.22	73.55	72.59
M3 Junction 4a westbound slip roads / A327 southern roundabout	A327 (south)	96.4	96.43	100.99	100.98
	A327 southern roundabout	1.28	1.8	4.63	4.9
M3 Junction 4a westbound slip roads / A327 southern roundabout	A327 southern roundabout	99.88	99.82	84.18	83.08
	A327 (south)	82.02	81.58	101.35	101.64
A323 Norris Hill Road / Velmead Road	A323 Norris Hill Road (west)	88.22	86.97	32.15	33.67
	A323 Norris Hill Road (east)	28.7	29.25	63.9	59.12
A325 Farnborough Road / B3403 Boundary Road (A325 SB off-slip)	A325 Farnborough Road off-slip	88.02	88.82	97.89	97.72
North Lane (mid link between Ordnance Road & Deadbrook Lane)	North Lane (west)	61.74	59.61	64.21	62.68
	North Lane (south)	63.08	59.71	63.85	61.27
M3 Junction 4a westbound slip roads	M3 westbound	79.44	79.17	85.91	86.15
Sandy Lane / Fernhill Road	Sandy Lane	105.74	105.37	103.63	102.45
	Fernhill Road (south)	22.52	22.24	46	47.14
	Fernhill Road (north)	70.75	70.07	104.35	104.27
M3 Junction 4a / A327 northern roundabout / A327 Minley Road	A327 northern roundabout (circulating)	99.82	99.91	91.19	89.14
	Minley Road	0	0	0	0
North Lane / Lower Newport Road	North Lane (north)	71.16	73.41	83.27	84.06
	North Lane (south)	37.89	39.16	39.01	38.84
Park Road / Reading Road / Sycamore Road	Park Road	101.17	101.1	77.09	76.73
	Sycamore Road	11.92	11.81	7.6	7.57
	Reading Road	34.04	33.86	0.51	1.52
B3403 Alexandra road / Queens Road	B3403 Alexandra road (north)	62.94	62.13	84.48	80.02
	B3403 Alexandra road (south)	51.2	52.8	71.67	72.01
	Queens Road	23.59	24.04	46.41	45.99
Park Road / Queens Road	Park Road (south)	83.02	82.95	66.56	66.48
	Park Road (north)	35.25	34.91	20.17	20.09
	Queens Road	0.11	0	11.38	11.5
Peabody Road / A3011 Lynchford Road	Peabody Road	78.86	80.67	96.91	100.04
	A3011 Lynchford Road (east)	87	85.7	66.05	65.6
	A3011 Lynchford Road (west)	69.77	72.01	95.26	95.64
Kennels Lane / Ively Road / Concorde Road	Kennels Lane	83.79	84.04	38.74	40.46
	Ively Road	46.48	45.99	52.7	52.83
	Concorde Road	33.2	32.93	52.63	52.71
B3007 Grosvenor Road / Birchett Road	B3007 Grosvenor Road (south)	39.79	43.1	38.77	32.56
	B3007 Grosvenor Road (north)	35.04	36.32	32.9	34.31
Southwood Lane / A327 Summit Avenue / A327 Ively Road / Southwood Road	Southwood Lane	89.63	88.76	72.47	71.54
	A327 Ively Road	41.18	40.81	70.39	69.26
	A327 Summit Avenue	83.02	82.16	49.99	48.96
	Southwood Road	76	76.48	40.48	39.83
A327 Elles Road / Elles Road roundabout / Templar Avenue	Templar Avenue	86.82	86.24	40.55	40.31
B3272 Hawley Lane / Grange Road	B3272 Hawley Lane	89.82	89.92	74.57	74.49
	Grange Road	49.37	48.13	0	0
B3013 Reading Road S / Florence Road	Florence Road	114.35	117.18	86.84	90.89
	B3013 Reading Road S (north)	49.78	50.61	62.42	64.87
	B3013 Reading Road S (south)	65.65	65.37	64.55	69.03
Ordnance Road	Ordnance Road (south)	41.42	35.86	37.09	39.95
	Ordnance Road (north)	28.33	27.62	31.29	34.86

Junction	Junction Arm	2018 DM AM	2018 DS AM	2018 DM PM	2018 DS PM
B3208 Lower Farnham Road / Tongham Road	B3208 Lower Farnham Road (south)	75.23	81.57	46.63	47.93
	B3208 Lower Farnham Road (north)	62.77	67.74	101.03	94.41
	Tongham Road	36.6	42.43	68.62	64.34
A323 High Street / Windsor Way	A323 High Street (east)	64.97	66.86	45.17	59.82
	A323 High Street (west)	42.19	49.78	70.94	74.23
Windsor Way / A323 High Street	Windsor Way (south)	12.54	19.6	30.02	48.56
	Windsor Way (north)	5.96	8.08	1.27	2.59
	A323 High Street (east)	41.37	39.72	35.45	34.11
Ordnance Road / Louise Margaret Road	Louise Margaret Road	13.64	46.06	15.87	63.83
	Ordnance Road (west)	14.11	39	20.22	38.9
	Ordnance Road (east)	17.82	26.24	14.63	18.2
Louise Margaret Road / Gallwey Road / Hospital Road	Gallwey Road (south)	6.78	75.94	7.12	46.06
	Gallwey Road (east)	9.43	1.37	9.09	1.58
	Hospital Road	11.63	13.91	18.01	7.88
A331 southbound / Frimley High Street - SB on-slip merge	A331 SB	78.35	78.48	92.66	92.22
A331 northbound slip roads / Coleford Bridge Road	A331 northbound slip road	94.21	94.46	87.08	87.15
A331 slip roads eastern roundabout / B3166 Stratford Road	B3166 Stratford Road	76.41	75.24	58.17	58.41
	A331 slip roads eastern roundabout	1.08	1.08	1.08	1.11
Aldershot Road / B3013 Reading Road S	Aldershot Road (east)	66.83	66.63	77.78	90.87
	B3013 Reading Road S (north)	83.51	83.16	77.33	80.43
	B3013 Beacon Hill Road (south)	61.65	62.3	57.48	60.04
A323 Fleet Road / Aldershot Road	Aldershot Road (west)	107.24	106.86	79.52	83.69
	A323 Fleet Road (north)	84.67	88.11	110.74	111.27
	A323 Fleet Road (east)	56.97	57.7	68.33	72.46
A323 Wellington Avenue / Hospital Hill	A323 Wellington Avenue (south)	89.95	54.67	116.36	87.32
	A323 Wellington Avenue (east)	55.62	34.03	111.52	59.35
	AUE New Road (south)	92.05	25.72	163.39	68.42
Alison's Road / AUE New Road	AUE New Road (north)	Not in DM	21.37	Not in DM	70.69
	Alison's Road (west)	68.11	30.19	98.17	30.96
	Alison's Road (east)	38.05	31.35	34.6	27.03
Alison's Road / AUE New Road	Alison's Road (west)	68.11	43.4	98.17	68.9
	Alison's Road (east)	38.05	31.72	34.6	40.28
	AUE New Road (south)	Not in DM	48.95	Not in DM	23
A325 Farnborough Road / Hawley Lane / Frimley High Street	Frimley High Street exit (circulatory)	97.64	97.61	88.61	86.42