

AM VOLUME TO CAPACITY RATIOS (V/C %) 2035

Key Route/Corridor	Item No.	Node	Junction Name	Type	Volume to Capacity Ratio (V/C %)						
					2035 Ref Case	Sc 1 No Mitigation	Sc 1 Sust Mitigation	Sc 2 No Mitigation	Sc 2 Sust Mitigation	Sc 3 No Mitigation	Sc 3 Sust Mitigation
A264 Crawley Road/Horsham Road	1	7020	A264 Crawley Road/Faygate Lane	4 arm roundabout	102.4	102.4	102.4	102.4	102.4	103.9	103.8
	2	1880	Bewbush Manor Roundabout/A264/Sullivan Drive	4 arm roundabout	101.1	101.0	101.0	100.9	101.1	109.0	107.9
A2220 Horsham Road & corridor	3	1860	Broadfield Roundabout/	4 arm roundabout	98.8	99.1	99.1	99.1	99.2	99.4	99.4
	4	9080	Gossops Drive/Overdene Drive	3 arm roundabout	100.6	100.9	100.7	101.1	100.8	84.2	93.1
	5	9081	Gossops Drive/Buckswood Drive	3 arm roundabout	64.7	63.1	64.5	63.5	64.0	56.2	62.2
	6	9082	Bewbush Drive/Buckswood Drive	3 arm roundabout	45.9	45.0	46.2	45.3	46.5	43.3	45.3
A23 Crawley Avenue junctions/Corridor	7	1640	Cheals Roundabout/A2220 Horsham Road/Crawley Avenue	4 arm roundabout	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	8	1660	Ifield Roundabout/Ifield Avenue/A23 Crawley Avenue	4 arm roundabout	102.4	103.1	102.5	103.3	102.7	104.7	103.7
	9	1360	Ifield Avenue/Ewhurst Road	priority	41.3	60.8	53.5	63.5	56.2	78.6	67.8
	10	1670	Tushmore Gyratory/A23 London Road/A23 Crawley Avenue	Signal roundabout	65.5	66.5	65.2	66.8	65.7	76.9	71.4
	11	1682	Hazelwick Roundabout	signal roundabout	65.8	71.2	69.6	74.0	71.5	79.6	75.2
	12	1690	A2011 Crawley Avenue/B2036 Balcombe Road	signal node on Crawley Avenue	104.2	104.8	104.6	106.0	105.7	106.6	106.4
	13	1691	A2011 Crawley Avenue/B2036 Balcombe Road	signal node on Balcombe Road	101.9	101.1	101.2	101.7	101.8	101.7	102.1
B2036 Balcombe Road	14	1824	B2036/Radford Road	3 arm signal	105.0	104.3	104.1	106.2	105.8	106.5	106.2
	15	1694	B2036/Steers Lane	3 arm signal	105.1	106.9	105.6	107.1	105.8	107.1	105.9
	16	1960	B2036 Balcombe Road/A2220 Worth Park Avenue/A2220 Copthorne Road	4 arm roundabout	69.0	70.8	66.8	74.1	69.5	78.9	73.2
B2037 Antlands Lane	17	2625	B2037/Shipley Bridge Lane	3 arm priority	22.6	23.0	23.3	27.8	23.6	31.2	25.5
	18	2620	B2037/Redehall Road/Copthorne Bank	4 arm signal	107.1	107.2	107.5	107.6	107.9	108.3	108.2
Southgate Avenue/Corridor	19	1790	Southgate Avenue/Ashdown Drive	3 arm signal	100.8	101.4	101.2	101.5	101.1	101.7	101.4

	20	1760	Southgate Avenue/Hawth Avenue	3 arm signal	102.2	102.9	102.6	102.9	102.7	103.0	102.7
	21	1010	Southgate Avenue/College Road/Haslett Avenue East	4 arm signal	94.5	100.9	100.5	101.1	100.6	101.6	101.0
	22	1750	Southgate Avenue/Southgate Drive	3 arm signal	91.4	101.0	100.1	101.2	100.2	101.5	101.0
	23	1020	A2004 Southgate Avenue/Station Way	3 arm signal	92.1	97.1	94.4	97.6	95.6	100.2	97.9
Haslett Avenue East/Corridor	24	1480	Paymaster General's Roundabout – Haslett Avenue E (EB approach arm – signal node)	signal node	96.5	96.7	96.9	96.7	97.0	96.1	96.5
	25	1483	Paymaster General's Roundabout – Hawth Avenue (NB approach node)	priority node	104.1	105.1	104.6	105.3	104.7	106.2	105.3
A23 London Road/M23 'Spur' Corridor	26	2017	A23 London Road/Perimeter Road North	signal	79.7	78.5	78.6	77.6	77.0	75.8	77.6
	27	2005	Airport Way/Northway Roundabout/ North Terminal Approach	roundabout	108.7	110.1	109.2	110.5	109.6	111.0	110.4
	28	2040	A217/A23 London Road/Povey Cross Road	roundabout	52.8	53.6	53.4	54.6	54.1	59.1	58.1
	29	2542	A217/Reigate Road	3 arm roundabout	104.9	105.0	105.1	105.2	105.2	106.3	106.2
	30	81004	Airport Way/Ring Road/ M23 'spur' 'HOR9' Horley Business Park	signal node of roundabout/gyratory	19.1	18.0	19.0	18.3	19.1	21.0	20.8
	31	81011	Airport Way/Ring Road/ M23 'spur' 'HOR9' Horley Business Park	signal node of roundabout/gyratory	81.8	82.4	82.3	82.9	82.8	85.7	83.7
M23 Junction J9	32	2735	M23 J9 Roundabout	Signal Roundabout -signal node 2735	70.3	69.7	69.9	69.5	69.5	69.7	69.7
M23 J9 Roundabout	33	2705	M23 J9 Roundabout	Priority southbound merge	66.8	68.0	68.0	68.3	68.3	70.3	70.3
M23 Junction J10	34	1606	M23 J10 Roundabout	Signal Roundabout -signal node 1606/1609	105.2	105.2	105.0	105.1	105.0	105.8	105.4
M23 Junction J11	36	1611	M23 Junction J11 Roundabout	Signal Roundabout -signal node 1611	93.1	94.1	93.4	93.6	92.2	94.1	90.8
M23 J11 Roundabout	37	1621	M23 J11 Roundabout	Signal Roundabout -signal node 1621	101.4	101.5	101.5	101.6	101.5	106.5	105.5
A23 London Road	38	1810	Fleming Way Roundabout	roundabout	83.6	88.1	85.8	88.5	86.6	100.4	96.9
	39	1832	A23 London Road/Manor Royal	signalised	76.8	77.7	77.5	77.9	77.4	78.5	75.6

AM MAXIMUM TURN DELAYS IN SECONDS 2035

Key Route/Corridor	Item No.	Node	Junction Name	Type	Max Turn Delays (sec)						
					2035 Ref Case	Sc 1 No Mitigation	Sc 1 Sust Mitigation	Sc 2 No Mitigation	Sc 2 Sust Mitigation	Sc 3 No Mitigation	Sc 3 Sust Mitigation
A264 Crawley Road/Horsham Road	1	7020	A264 Crawley Road/Faygate Lane	4 arm roundabout	74	73	73	73	74	101	99
	2	1880	Bewbush Manor Roundabout/A264/Sullivan Drive	4 arm roundabout	40	39	39	37	41	183	163
A2220 Horsham Road & corridor	3	1860	Broadfield Roundabout/	4 arm roundabout	31	32	32	33	32	34	34
	4	9080	Gossops Drive/Overdene Drive	3 arm roundabout	40	46	41	49	43	13	17
	5	9081	Gossops Drive/Buckswood Drive	3 arm roundabout	9	9	9	9	9	9	9
	6	9082	Bewbush Drive/Buckswood Drive	3 arm roundabout	9	9	9	9	9	9	9
A23 Crawley Avenue junctions/Corridor	7	1640	Cheals Roundabout/A2220 Horsham Road/Crawley Avenue	4 arm roundabout	35	35	35	35	35	36	35
	8	1660	Ifield Roundabout/Ifield Avenue/A23 Crawley Avenue	4 arm roundabout	77	93	80	97	84	121	103
	9	1360	Ifield Avenue/Ewhurst Road	priority	10	14	12	15	13	27	19
	10	1670	Tushmore Gyrotory/A23 London Road/A23 Crawley Avenue	Signal roundabout	20	20	18	20	20	23	20
	11	1682	Hazelwick Roundabout	signal roundabout	27	27	27	27	27	26	27
	12	1690	A2011 Crawley Avenue/B2036 Balcombe Road	signal node on Crawley Avenue	112	123	119	146	140	156	152
	13	1691	A2011 Crawley Avenue/B2036 Balcombe Road	signal node on Balcombe Road	63	48	49	57	60	58	65
B2036 Balcombe Road	14	1824	B2036/Radford Road	3 arm signal	110	95	93	131	125	137	132
	15	1694	B2036/Steers Lane	3 arm signal	111	144	121	148	124	148	126
	16	1960	B2036 Balcombe Road/A2220 Worth Park Avenue/A2220 Copthorne Road	4 arm roundabout	17	17	16	17	17	19	18
B2037 Antlands Lane	17	2625	B2037/Shipley Bridge Lane	3 arm priority	6	6	6	6	6	6	6
	18	2620	B2037/Redehall Road/Copthorne Bank	4 arm signal	155	157	161	164	169	175	174
Southgate Avenue/Corridor	19	1790	Southgate Avenue/Ashdown Drive	3 arm signal	53	64	60	65	59	72	68
	20	1760	Southgate Avenue/Hawth Avenue	3 arm signal	71	83	78	84	80	86	81
	21	1010	Southgate Avenue/College Road/Haslett Avenue East	4 arm signal	52	65	57	68	60	76	67

	22	1750	Southgate Avenue/Southgate Drive	3 arm signal	37	56	40	59	41	65	55
	23	1020	A2004 Southgate Avenue/Station Way	3 arm signal	31	32	32	32	32	36	32
Haslett Avenue East/Corridor	24	1480	Paymaster General's Roundabout – Haslett Avenue E (EB approach arm – signal node)	signal node	22	22	22	22	22	23	22
	25	1483	Paymaster General's Roundabout – Hawth Avenue (NB approach node)	priority node	90	110	99	114	102	129	112
A23 London Road/M23 'Spur' Corridor	26	2017	A23 London Road/Perimeter Road North	signal	36	36	36	36	36	36	36
	27	2005	Airport Way/Northway Roundabout/ North Terminal Approach	roundabout	189	215	198	223	206	229	219
	28	2040	A217/A23 London Road/Povey Cross Road	roundabout	20	20	20	20	20	20	20
	29	2542	A217/Reigate Road	3 arm roundabout	108	110	110	112	112	133	131
	30	81004	Airport Way/Ring Road/ M23 'spur' 'HOR9' Horley Business Park	signal node of roundabout/gyratory	18	18	18	18	18	18	18
	31	81011	Airport Way/Ring Road/ M23 'spur' 'HOR9' Horley Business Park	signal node of roundabout/gyratory	26	26	26	26	26	27	27
M23 Junction J9	32	2735	M23 J9 Roundabout	Signal Roundabout -signal node 2735	18	18	18	18	18	18	18
M23 J9 Roundabout	33	2705	M23 J9 Roundabout	Priority southbound merge	6	6	6	6	6	7	7
M23 Junction J10	34	1606	M23 J10 Roundabout	Signal Roundabout -signal node 1606/1609	114	114	110	112	111	124	118
M23 Junction J11	36	1611	M23 Junction J11 Roundabout	Signal Roundabout -signal node 1611	13	13	13	13	13	14	14
M23 J11 Roundabout	37	1621	M23 J11 Roundabout	Signal Roundabout -signal node 1621	43	45	45	46	45	132	115
A23 London Road	38	1810	Fleming Way Roundabout	roundabout	22	22	22	22	22	39	26
	39	1832	A23 London Road/Manor Royal	signalised	43	43	42	43	42	43	43

AM TURN DELAY DIFFERENCES FROM REFERENCE IN SECONDS 2035

Key Route/Corridor	Item No.	Node	Junction Name	Type	Delay Diff compared to Reference Case (sec)					
					Sc 1 No Mitigation	Sc 1 Sust Mitigation	Sc 2 No Mitigation	Sc 2 Sust Mitigation	Sc 3 No Mitigation	Sc 3 Sust Mitigation
A264 Crawley Road/Horsham Road	1	7020	A264 Crawley Road/Faygate Lane	4 arm roundabout	-1	-1	-1	0	27	24
	2	1880	Bewbush Manor Roundabout/A264/Sullivan Drive	4 arm roundabout	-2	-1	-4	1	143	122
A2220 Horsham Road & corridor	3	1860	Broadfield Roundabout/	4 arm roundabout	1	1	1	1	3	2
	4	9080	Gossops Drive/Overdene Drive	3 arm roundabout	6	1	10	4	-26	-23
	5	9081	Gossops Drive/Buckwood Drive	3 arm roundabout	0	0	0	0	0	0
	6	9082	Bewbush Drive/Buckwood Drive	3 arm roundabout	0	0	0	0	0	0
A23 Crawley Avenue junctions/Corridor	7	1640	Cheals Roundabout/A2220 Horsham Road/Crawley Avenue	4 arm roundabout	0	0	0	0	1	0
	8	1660	Ifield Roundabout/Ifield Avenue/A23 Crawley Avenue	4 arm roundabout	16	3	19	7	44	26
	9	1360	Ifield Avenue/Ewhurst Road	priority	4	2	6	3	17	9
	10	1670	Tushmore Gyratory/A23 London Road/A23 Crawley Avenue	Signal roundabout	0	-2	0	0	2	0
	11	1682	Hazelwick Roundabout	signal roundabout	0	0	0	0	-1	-1
	12	1690	A2011 Crawley Avenue/B2036 Balcombe Road	signal node on Crawley Avenue	11	7	33	28	44	39
	13	1691	A2011 Crawley Avenue/B2036 Balcombe Road	signal node on Balcombe Road	-15	-14	-6	-3	-5	1
B2036 Balcombe Road	14	1824	B2036/Radford Road	3 arm signal	-14	-16	22	15	27	23
	15	1694	B2036/Steers Lane	3 arm signal	32	10	37	13	37	14
	16	1960	B2036 Balcombe Road/A2220 Worth Park Avenue/A2220 Copthorne Road	4 arm roundabout	0	-1	0	0	2	0
B2037 Antlands Lane	17	2625	B2037/Shipleigh Bridge Lane	3 arm priority	0	0	0	0	0	0
	18	2620	B2037/Redehall Road/Copthorne Bank	4 arm signal	2	6	9	15	21	20
Southgate Avenue/Corridor	19	1790	Southgate Avenue/Ashdown Drive	3 arm signal	12	8	12	6	20	16
	20	1760	Southgate Avenue/Hawth Avenue	3 arm signal	12	7	13	9	15	10
	21	1010	Southgate Avenue/College Road/Haslett Avenue East	4 arm signal	13	5	15	7	24	14

	22	1750	Southgate Avenue/Southgate Drive	3 arm signal	19	3	22	4	28	18
	23	1020	A2004 Southgate Avenue/Station Way	3 arm signal	1	1	1	1	5	1
Haslett Avenue East/Corridor	24	1480	Paymaster General's Roundabout – Haslett Avenue E (EB approach arm – signal node)	signal node	0	0	0	0	1	0
	25	1483	Paymaster General's Roundabout – Hawth Avenue (NB approach node)	priority node	20	10	24	13	39	23
A23 London Road/M23 'Spur' Corridor	26	2017	A23 London Road/Perimeter Road North	signal	0	0	0	0	0	0
	27	2005	Airport Way/Northway Roundabout/ North Terminal Approach	roundabout	26	9	34	17	40	30
	28	2040	A217/A23 London Road/Povey Cross Road	roundabout	0	0	0	0	0	0
	29	2542	A217/Reigate Road	3 arm roundabout	2	2	4	4	25	22
	30	81004	Airport Way/Ring Road/ M23 'spur' 'HOR9' Horley Business Park	signal node of roundabout/gyratory	0	0	0	0	0	0
	31	81011	Airport Way/Ring Road/ M23 'spur' 'HOR9' Horley Business Park	signal node of roundabout/gyratory	0	0	0	0	0	0
M23 Junction J9	32	2735	M23 J9 Roundabout	Signal Roundabout -signal node 2735	0	0	0	0	0	0
M23 J9 Roundabout	33	2705	M23 J9 Roundabout	Priority southbound merge	0	0	0	0	1	1
M23 Junction J10	34	1606	M23 J10 Roundabout	Signal Roundabout -signal node 1606/1609	0	-4	-1	-3	10	5
M23 Junction J11	36	1611	M23 Junction J11 Roundabout	Signal Roundabout -signal node 1611	0	0	0	0	0	0
M23 J11 Roundabout	37	1621	M23 J11 Roundabout	Signal Roundabout -signal node 1621	2	1	3	2	88	72
A23 London Road	38	1810	Fleming Way Roundabout	roundabout	0	0	0	0	18	4
	39	1832	A23 London Road/Manor Royal	signalised	0	0	0	0	0	0

PM VOLUME TO CAPACITY RATIOS (V/C %) 2035

Key Route/Corridor	Item No.	Node	Junction Name	Type	Volume to Capacity Ratio (V/C %)						
					2035 Ref Case	Sc 1 No Mitigation	Sc 1 Sust Mitigation	Sc 2 No Mitigation	Sc 2 Sust Mitigation	Sc 3 No Mitigation	Sc 3 Sust Mitigation
A264 Crawley Road/Horsham Road	1	7020	A264 Crawley Road/Faygate Lane	4 arm roundabout	104.7	105.0	105.1	105.1	105.1	106.3	106.4
	2	1880	Bewbush Manor Roundabout/A264/Sullivan Drive	4 arm roundabout	101.1	101.5	101.5	101.8	101.5	106.3	105.7
A2220 Horsham Road & corridor	3	1860	Broadfield Roundabout/	4 arm roundabout	112.3	114.1	114.3	113.9	114.4	118.1	118.6
	4	9080	Gossops Drive/Overdene Drive	3 arm roundabout	94.5	97.2	95.4	97.8	96.0	96.5	96.8
	5	9081	Gossops Drive/Buckswood Drive	3 arm roundabout	103.6	105.0	104.8	105.0	105.0	106.7	107.0
	6	9082	Bewbush Drive/Buckswood Drive	3 arm roundabout	81.8	84.1	84.5	83.9	84.4	89.0	89.1
A23 Crawley Avenue junctions/Corridor	7	1640	Cheals Roundabout/A2220 Horsham Road/Crawley Avenue	4 arm roundabout	101.9	102.6	102.1	103.0	102.3	106.5	104.3
	8	1660	Ifield Roundabout/Ifield Avenue/A23 Crawley Avenue	4 arm roundabout	101.5	103.6	102.7	104.1	103.1	113.6	110.3
	9	1360	Ifield Avenue/Ewhurst Road	priority	43.7	59.3	53.3	62.7	55.1	100.4	72.4
	10	1670	Tushmore Gyratory/A23 London Road/A23 Crawley Avenue	Signal roundabout	103.3	103.3	103.3	103.5	103.7	104.9	104.3
	11	1682	Hazelwick Roundabout	signal roundabout	74.0	85.5	83.6	86.2	84.2	93.6	90.4
	12	1690	A2011 Crawley Avenue/B2036 Balcombe Road	signal node on Crawley Avenue	111.9	114.3	114.1	114.8	114.5	118.9	118.0
	13	1691	A2011 Crawley Avenue/B2036 Balcombe Road	signal node on Balcombe Road	100.3	100.5	100.7	101.7	101.7	101.1	101.4
B2036 Balcombe Road	14	1824	B2036/Radford Road	3 arm signal	90.7	92.8	93.0	94.9	93.3	101.7	101.0
	15	1694	B2036/Steers Lane	3 arm signal	104.1	102.5	102.8	102.0	102.1	101.7	101.6
	16	1960	B2036 Balcombe Road/A2220 Worth Park Avenue/A2220 Copthorne Road	4 arm roundabout	100.7	101.5	101.3	101.5	101.3	102.0	101.9
B2037 Antlands Lane	17	2625	B2037/Shipley Bridge Lane	3 arm priority	63.2	65.5	65.1	65.3	64.8	64.8	65.9
	18	2620	B2037/Redehall Road/Copthorne Bank	4 arm signal	112.2	112.2	112.3	112.3	112.2	106.4	111.1
Southgate Avenue/Corridor	19	1790	Southgate Avenue/Ashdown Drive	3 arm signal	104.0	106.3	105.1	106.8	105.5	111.4	107.8

	20	1760	Southgate Avenue/Hawth Avenue	3 arm signal	103.8	105.2	104.8	105.3	104.7	106.4	105.8
	21	1010	Southgate Avenue/College Road/Haslett Avenue East	4 arm signal	87.6	100.3	99.9	100.5	100.0	101.5	101.2
	22	1750	Southgate Avenue/Southgate Drive	3 arm signal	103.6	104.7	104.1	104.8	104.3	106.1	105.7
	23	1020	A2004 Southgate Avenue/Station Way	3 arm signal	74.0	91.2	89.0	91.3	89.7	99.6	100.1
Haslett Avenue East/Corridor	24	1480	Paymaster General's Roundabout – Haslett Avenue E (EB approach arm – signal node)	signal node	101.9	102.8	102.3	102.9	102.4	103.5	103.0
	25	1483	Paymaster General's Roundabout – Hawth Avenue (NB approach node)	priority node	87.2	89.2	88.1	89.4	88.3	93.7	91.6
A23 London Road/M23 'Spur' Corridor	26	2017	A23 London Road/Perimeter Road North	signal	82.3	81.7	80.1	81.2	80.0	75.5	76.4
	27	2005	Airport Way/Northway Roundabout/ North Terminal Approach	roundabout	96.6	96.6	95.0	95.4	93.3	98.3	94.0
	28	2040	A217/A23 London Road/Povey Cross Road	roundabout	95.1	97.9	98.2	97.5	97.5	100.6	100.2
	29	2542	A217/Reigate Road	3 arm roundabout	103.3	102.7	103.0	102.3	102.6	103.0	102.6
	30	81004	Airport Way/Ring Road/ M23 'spur' 'HOR9' Horley Business Park	signal node of roundabout/gyratory	115.7	123.5	116.8	128.4	120.6	133.6	124.9
	31	81011	Airport Way/Ring Road/ M23 'spur' 'HOR9' Horley Business Park	signal node of roundabout/gyratory	101.5	101.5	101.4	101.6	101.6	101.5	101.7
M23 Junction J9	32	2735	M23 J9 Roundabout	Signal Roundabout -signal node 2735	72.0	72.0	72.0	72.0	72.0	70.3	70.1
M23 J9 Roundabout	33	2705	M23 J9 Roundabout	Priority southbound merge	66.4	67.0	67.0	66.9	66.9	68.4	68.4
M23 Junction J10	34	1606	M23 J10 Roundabout	Signal Roundabout -signal node 1606/1609	111.4	112.3	112.5	112.6	112.6	115.5	114.9
M23 Junction J11	36	1611	M23 Junction J11 Roundabout	Signal Roundabout -signal node 1611	106.7	109.1	109.6	109.3	110.0	114.4	116.8
M23 J11 Roundabout	37	1621	M23 J11 Roundabout	Signal Roundabout -signal node 1621	100.2	101.3	101.1	101.3	101.0	104.2	104.2
A23 London Road	38	1810	Fleming Way Roundabout	roundabout	60.7	59.9	59.7	61.6	61.4	70.2	68.0
	39	1832	A23 London Road/Manor Royal	signalised	79.9	79.5	78.9	80.7	80.0	88.9	85.8



PM MAXIMUM TURN DELAYS IN SECONDS 2035

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A264 Crawley Road/Horsham Road	1	7020	A264 Crawley Road/Faygate Lane	4 arm roundabout	149	155	155	156	156	173	174
	2	1880	Bewbush Manor Roundabout/A264/Sullivan Drive	4 arm roundabout	41	49	48	53	49	136	125
A2220 Horsham Road & corridor	3	1860	Broadfield Roundabout/	4 arm roundabout	248	279	282	276	285	351	360
	4	9080	Gossops Drive/Overdene Drive	3 arm roundabout	19	18	18	19	18	32	32
	5	9081	Gossops Drive/Buckswood Drive	3 arm roundabout	81	105	102	106	106	137	142
	6	9082	Bewbush Drive/Buckswood Drive	3 arm roundabout	9	10	10	10	10	10	10
A23 Crawley Avenue junctions/Corridor	7	1640	Cheals Roundabout/A2220 Horsham Road/Crawley Avenue	4 arm roundabout	76	90	81	97	84	159	120
	8	1660	Ifield Roundabout/Ifield Avenue/A23 Crawley Avenue	4 arm roundabout	75	107	96	114	104	286	225
	9	1360	Ifield Avenue/Ewhurst Road	priority	9	16	14	17	14	59	23
	10	1670	Tushmore Gyrotory/A23 London Road/A23 Crawley Avenue	Signal roundabout	78	79	79	81	85	107	97
	11	1682	Hazelwick Roundabout	signal roundabout	11	12	12	12	12	12	12
	12	1690	A2011 Crawley Avenue/B2036 Balcombe Road	signal node on Crawley Avenue	244	288	284	297	290	370	354
	13	1691	A2011 Crawley Avenue/B2036 Balcombe Road	signal node on Balcombe Road	38	46	49	68	68	58	62
B2036 Balcombe Road	14	1824	B2036/Radford Road	3 arm signal	14	15	18	20	19	47	34
	15	1694	B2036/Steers Lane	3 arm signal	93	65	69	56	57	51	49
	16	1960	B2036 Balcombe Road/A2220 Worth Park Avenue/A2220 Copthorne Road	4 arm roundabout	66	82	78	83	79	76	80
B2037 Antlands Lane	17	2625	B2037/Shipleigh Bridge Lane	3 arm priority	10	10	10	10	10	10	10
	18	2620	B2037/Redehall Road/Copthorne Bank	4 arm signal	261	261	263	263	261	157	241
Southgate Avenue/Corridor	19	1790	Southgate Avenue/Ashdown Drive	3 arm signal	103	143	123	153	130	236	171
	20	1760	Southgate Avenue/Hawth Avenue	3 arm signal	100	126	118	128	116	148	137
	21	1010	Southgate Avenue/College Road/Haslett Avenue East	4 arm signal	54	54	54	57	54	76	69

Key Route/Corridor	Item No.	Node	Junction Name	Type	Max Turn Delays (sec)						
					2035 Ref Case	Sc 1 No Mitigation	Sc 1 Sust Mitigation	Sc 2 No Mitigation	Sc 2 Sust Mitigation	Sc 3 No Mitigation	Sc 3 Sust Mitigation
	22	1750	Southgate Avenue/Southgate Drive	3 arm signal	102	121	111	123	114	147	141
	23	1020	A2004 Southgate Avenue/Station Way	3 arm signal	29	31	30	31	31	32	34
Haslett Avenue East/Corridor	24	1480	Paymaster General's Roundabout – Haslett Avenue E (EB approach arm – signal node)	signal node	46	62	54	64	56	76	67
	25	1483	Paymaster General's Roundabout – Hawth Avenue (NB approach node)	priority node	5	6	5	6	5	7	6
A23 London Road/M23 'Spur' Corridor	26	2017	A23 London Road/Perimeter Road North	signal	39	39	39	39	39	33	39
	27	2005	Airport Way/Northway Roundabout/ North Terminal Approach	roundabout	35	38	37	38	37	53	44
	28	2040	A217/A23 London Road/Povey Cross Road	roundabout	22	22	22	22	22	36	30
	29	2542	A217/Reigate Road	3 arm roundabout	79	67	73	61	67	74	67
	30	81004	Airport Way/Ring Road/ M23 'spur' 'HOR9' Horley Business Park	signal node of roundabout/gyratory	303	444	322	531	391	624	468
	31	81011	Airport Way/Ring Road/ M23 'spur' 'HOR9' Horley Business Park	signal node of roundabout/gyratory	42	41	40	43	44	43	45
M23 Junction J9	32	2735	M23 J9 Roundabout	Signal Roundabout -signal node 2735	21	21	21	21	21	20	20
M23 J9 Roundabout	33	2705	M23 J9 Roundabout	Priority southbound merge	6	6	6	6	6	6	6
M23 Junction J10	34	1606	M23 J10 Roundabout	Signal Roundabout -signal node 1606/1609	225	242	245	246	248	298	289
M23 Junction J11	36	1611	M23 Junction J11 Roundabout	Signal Roundabout -signal node 1611	137	181	191	185	197	277	320
M23 J11 Roundabout	37	1621	M23 J11 Roundabout	Signal Roundabout -signal node 1621	20	36	35	39	34	93	92
A23 London Road	38	1810	Fleming Way Roundabout	roundabout	20	21	21	21	21	21	21
	39	1832	A23 London Road/Manor Royal	signalised	47	47	46	47	46	46	46

PM TURN DELAY DIFFERENCES FROM REFERENCE IN SECONDS 2035

Key Route/Corridor	Item No.	Node	Junction Name	Type	Delay Diff compared to Reference Case (sec)					
					Sc 1 No Mitigation	Sc 1 Sust Mitigation	Sc 2 No Mitigation	Sc 2 Sust Mitigation	Sc 3 No Mitigation	Sc 3 Sust Mitigation
A264 Crawley Road/Horsham Road	1	7020	A264 Crawley Road/Faygate Lane	4 arm roundabout	6	6	7	7	24	25
	2	1880	Bewbush Manor Roundabout/A264/Sullivan Drive	4 arm roundabout	8	7	12	8	95	84
A2220 Horsham Road & corridor	3	1860	Broadfield Roundabout/	4 arm roundabout	31	34	28	37	103	112
	4	9080	Gossops Drive/Overdene Drive	3 arm roundabout	-1	-1	0	-1	13	13
	5	9081	Gossops Drive/Buckswood Drive	3 arm roundabout	24	22	25	25	56	61
	6	9082	Bewbush Drive/Buckswood Drive	3 arm roundabout	0	0	0	0	0	0
A23 Crawley Avenue junctions/Corridor	7	1640	Cheals Roundabout/A2220 Horsham Road/Crawley Avenue	4 arm roundabout	14	5	21	8	83	44
	8	1660	Ifield Roundabout/Ifield Avenue/A23 Crawley Avenue	4 arm roundabout	31	21	39	28	211	150
	9	1360	Ifield Avenue/Ewhurst Road	priority	7	5	8	6	51	14
	10	1670	Tushmore Gyratory/A23 London Road/A23 Crawley Avenue	Signal roundabout	1	1	4	8	30	19
	11	1682	Hazelwick Roundabout	signal roundabout	0	0	0	0	1	0
	12	1690	A2011 Crawley Avenue/B2036 Balcombe Road	signal node on Crawley Avenue	44	41	53	47	126	110
	13	1691	A2011 Crawley Avenue/B2036 Balcombe Road	signal node on Balcombe Road	8	12	31	30	20	24
B2036 Balcombe Road	14	1824	B2036/Radford Road	3 arm signal	0	4	6	5	33	20
	15	1694	B2036/Steers Lane	3 arm signal	-28	-24	-37	-36	-42	-44
	16	1960	B2036 Balcombe Road/A2220 Worth Park Avenue/A2220 Copthorne Road	4 arm roundabout	16	13	17	14	11	15
B2037 Antlands Lane	17	2625	B2037/Shipleigh Bridge Lane	3 arm priority	0	0	0	0	0	0
	18	2620	B2037/Redehall Road/Copthorne Bank	4 arm signal	0	1	1	0	-104	-20

Southgate Avenue/Corridor	19	1790	Southgate Avenue/Ashdown Drive	3 arm signal	40	19	50	26	132	67
	20	1760	Southgate Avenue/Hawth Avenue	3 arm signal	26	18	28	16	48	37
	21	1010	Southgate Avenue/College Road/Haslett Avenue East	4 arm signal	0	0	2	0	21	15
	22	1750	Southgate Avenue/Southgate Drive	3 arm signal	19	9	21	12	45	38
	23	1020	A2004 Southgate Avenue/Station Way	3 arm signal	1	1	2	1	3	5
Haslett Avenue East/Corridor	24	1480	Paymaster General's Roundabout – Haslett Avenue E (EB approach arm – signal node)	signal node	16	8	18	10	30	21
	25	1483	Paymaster General's Roundabout – Hawth Avenue (NB approach node)	priority node	1	0	1	0	2	1
A23 London Road/M23 'Spur' Corridor	26	2017	A23 London Road/Perimeter Road North	signal	0	0	0	0	-7	0
	27	2005	Airport Way/Northway Roundabout/ North Terminal Approach	roundabout	3	2	3	2	18	9
	28	2040	A217/A23 London Road/Povey Cross Road	roundabout	0	0	0	0	15	8
	29	2542	A217/Reigate Road	3 arm roundabout	-12	-6	-18	-12	-5	-12
	30	81004	Airport Way/Ring Road/ M23 'spur' 'HOR9' Horley Business Park	signal node of roundabout/gyratory	141	20	229	88	321	165
	31	81011	Airport Way/Ring Road/ M23 'spur' 'HOR9' Horley Business Park	signal node of roundabout/gyratory	-1	-2	1	2	0	3
M23 Junction J9	32	2735	M23 J9 Roundabout	Signal Roundabout -signal node 2735	0	0	0	0	0	0
M23 J9 Roundabout	33	2705	M23 J9 Roundabout	Priority southbound merge	0	0	0	0	0	0
M23 Junction J10	34	1606	M23 J10 Roundabout	Signal Roundabout -signal node 1606/1609	17	20	21	22	73	64
M23 Junction J11	36	1611	M23 Junction J11 Roundabout	Signal Roundabout -signal node 1611	44	53	48	60	139	183
M23 J11 Roundabout	37	1621	M23 J11 Roundabout	Signal Roundabout -signal node 1621	16	16	19	15	73	73
A23 London Road	38	1810	Fleming Way Roundabout	roundabout	0	0	0	0	1	0
	39	1832	A23 London Road/Manor Royal	signalised	0	-1	0	-1	-1	-1