

8. Transportation & Access

Appendix 8.1

**TRANSPORTATION & ACCESS
ASSESSMENT PRE-MITIGATION TABLES**

Severance

PHASE	LINK REF	KEY RECEPTOR	% DIFFERENCE BETWEEN: 2023 BASE AND 2023 WITH CONSTRUCTION; OR 2035 FUTURE BASELINE (INCLUDING 2015 OPP SCHEME) AND 2035 BASELINE WITH PROPOSED DEVELOPMENT		DESCRIPTION	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
Construction	8	Crow Drive	126.7%		Increase in two-way vehicle flows along the link of 230 vehicles, however, this link is an internal road and has low baseline flows. All increases along this link will be contained within the site and are as a result of the operation of the site.	Very large	Major Adverse	Yes	Section 7 of the TA, Appendix 8.2, Volume II
	9	A224 London Road	6.4%		Increase in two-way vehicle flows along the link of 230 vehicles	Small	Negligible Adverse	Yes	Section 7 of the TA, Appendix 8.2, Volume II
	10	M25 (South of A21)	0.8%		Increase in two-way vehicle flows along the link of 230 vehicles.	Small	Negligible Adverse	Yes	Section 7 of the TA, Appendix 8.2, Volume II
	12	A224 Orpington By-Pass (2017)	7.8%		Increase in two-way vehicle flows along the link of 230 vehicles.	Small	Negligible Adverse	Yes	Section 7 of the TA, Appendix 8.2, Volume II
Operation	1	Old London Road	4.7%		Increase in two-way vehicle flows along the link of 240 vehicles.	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
	2 & 3	Main Road / Halstead Lane	3.0%		Increase in two-way vehicle flows along the link of 94 vehicles	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
	4 & 5	Shoreham Lane / Knockholt Road	0.0%		No change in two-way vehicle flows along the link.	Small	Negligible Neutral	Yes	Section 6 of the TA, Appendix 8.2, Volume II
	6	Offord Lane	4.3%		Increase in two-way vehicle flows along the link of 31 vehicles.	Small	Minor Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
	7	Star Hill Road (S) (2017)	16.1%		Increase in two-way vehicle flows along the link of 652 vehicles, however existing situation has a very low baseline flow.	Small	Minor Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
	8	Crow Drive	41.2%		Increase in two-way vehicle flows along the link of 2,184 vehicles.	Medium	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
	9	A224 London Road	10.8%		Increase in two-way vehicle flows along the link of 1,972 vehicles.	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
	10	M25 (South of A21)	0.1%		Increase in two-way vehicle flows along the link of 172 vehicles.	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
	11	Rushmore Hill	-2.0%		Reduction in two-way vehicle flows along the link of 91 vehicles.	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II

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	12	A224 Orpington By-Pass (2017)	10.8%		Increase in two-way vehicle flows along the link of 1,642 vehicles.	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
	13	A21 Sevenoaks Road	0.9%		Increase in two-way vehicle flows along the link of 240 vehicles.	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
	14	Polhill - 008	1.1%		Increase in two-way vehicle flows along the link of 186 vehicles.	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
	15	Offord High Street	2.9%		Increase in two-way vehicle flows along the link of 372 vehicles.	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
	16	A 224 London Road (Bullfinch Lane)	1.3%		Increase in two-way vehicle flows along the link of 289 vehicles.	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
	17	A 224 London Road (Station Road)	1.8%		Increase in two-way vehicle flows along the link of 289 vehicles.	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
	18	Star Hill - 011	4.8%		Increase in two-way vehicle flows along the link of 178 vehicles.	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
Alternative Baseline	1	Old London Road	-2.5%		Reduction in two-way vehicle flows along the link of 138 vehicles.	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
	2 & 3	Main Road / Halstead Lane	-1.5%		Reduction in two-way vehicle flows along the link of 48 vehicles.	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
	4 & 5	Shoreham Lane / Knockholt Road	0.0%		No change in two-way vehicle flows along the link.	Small	Negligible Neutral	Yes	Section 6 of the TA, Appendix 8.2, Volume II
	6	Offord Lane	0.2%		Increase in two-way vehicle flows along the link of 1 vehicle.	Small	Minor Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
	7	Star Hill Road (S) (2017)	-22.4%		Reduction in two-way vehicle flows along the link of 1,358 vehicles.	Small	Minor Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
	8	Crow Drive	7.0%		Increase in two-way vehicle flows along the link of 491 vehicles.	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
	9	A224 London Road	-2.4%		Reduction in two-way vehicle flows along the link of 487 vehicles.	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II

PHASE	JUNCTION	MOVEMENT	DELAY (S) AM	CHANGE IN DELAY AM	DELAY (S) PM	CHANGE IN DELAY PM	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
		Site – Star Hill Road (south)	5.64	-5.64	5.85	0.52	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		Site– Star Hill Road (north)	8.32	8.32	8.29	0.68	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		Star Hill Road (south) – Site	6.03	0.3	5.96	5.96	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		2035 Alternative Baseline								
		Site – Star Hill Road (south)	5.58		7.45					
		Site– Star Hill Road (north)	9.73		8.72					
		Star Hill Road (south) – Site	9.97		5.84					
		2035 With Development								
		Site – Star Hill Road (south)	5.64	0.06	5.85	-1.6	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		Site– Star Hill Road (north)	8.32	-1.41	8.29	-0.43	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		Star Hill Road (south) – Site	6.03	-3.94	5.96	0.12	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
Operation	Hewitts Rbt	2018 Observed								
		A – Orpington By-Pass	6.18		4.68					
		B – Wheatsheaf Hill	46.03		8.95					
		C – A21 Sevenoaks Road	2.42		2.47					
		D – A224 Court Road	4.69		10.29					
		E – Hewitts Road	8.32		18.01					

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		F – M25	4.28		2.27					
2035 Baseline										
		A – Orpington By-Pass	17.89		11.52					
		B – Wheatsheaf Hill	1667.58		18.76					
		C – A21 Sevenoaks Road	2.89		3.44					
		D – A224 Court Road	6.92		145.43					
		E – Hewitts Road	12.72		585.37					
		F – M25	14.31		3.08					
2035 with Development										
		A – Orpington By-Pass	21.62	3.73	10.79	-0.73	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		B – Wheatsheaf Hill	1689.04	21.46	18.00	-0.76	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		C – A21 Sevenoaks Road	2.94	0.05	3.39	-0.05	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		D – A224 Court Road	7.14	0.22	138.07	-7.36	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		E – Hewitts Road	13.23	0.51	510.43	-74.94	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		F – M25	13.15	-1.16	3.16	0.08	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
2035 Alternative Baseline										
		A – Orpington By-Pass	11.65		14.80					

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		B – Wheatsheaf Hill	5239.30		21.73					
		C – A21 Sevenoaks Road	2.70		3.59					
		D – A224 Court Road	6.94		173.28					
		E – Hewitts Road	12.41		658.29					
		F – M25	26.08		2.86					
		2035 with Development								
		A – Orpington By-Pass	21.62	9.97	10.79	-4.01	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		B – Wheatsheaf Hill	1689.04	-3550.26	18.00	-3.73	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		C – A21 Sevenoaks Road	2.94	0.24	3.39	-0.20	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		D – A224 Court Road	7.14	0.20	138.07	-35.21	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		E – Hewitts Road	13.23	0.82	510.43	-147.86	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		F – M25	13.15	-12.93	3.16	0.30	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
Operation	Shacklands Rbt	2018 Observed								
		A – A224 Polhill	3.67		3.51					
		B – Shoreham Lane	5.87		5.40					
		C – Old London Road	3.92		3.18					
		D – Orpington By-Pass	4.50		2.83					

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		E – Shacklands Road	3.63		2.72					
		2035 Baseline								
		A – A224 Polhill	4.98		5.32					
		B – Shoreham Lane	7.07		6.87					
		C – Old London Road	4.68		3.88					
		D – Orpington By-Pass	8.11		3.61					
		E – Shacklands Road	4.68		3.12					
		2035 With Development								
		A – A224 Polhill	5.24	0.26	5.17	-0.15	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		B – Shoreham Lane	7.27	0.2	6.79	-0.08	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		C – Old London Road	4.78	0.1	3.86	-0.02	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		D – Orpington By-Pass	7.72	-0.39	3.72	0.11	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		E – Shacklands Road	4.62	-0.06	3.17	-0.44	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		2035 Alternative Baseline								
		A – A224 Polhill	4.44		6.38					
		B – Shoreham Lane	6.63		7.49					
		C – Old London Road	4.63		4.04					
		D – Orpington By-Pass	13.24		3.29					

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		A - A224 Polhill	10.04	-1.92	10.16	0.48	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		B - Crow Drive	11.91	0.57	21.94	-18.32	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		C - Otford Ln	7.29	0.11	8.75	-0.93	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		D - A224 London Rd	10.34	-1.06	6.51	-0.10	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
	T Junction	2035 Alternative Baseline								
		Otford Lane – London Road	9.21		63.49					
		Otford Lane – Polhill	58.63		91.93					
		London Road – Otford Lane	193.34		8.26					
		Whole Junction delay	261.18		171.94					
	Proposed Roundabout	2035 With Development								
		A - A224 Polhill	10.04		10.16					
		B - Crow Drive	11.91		21.94					
		C - Otford Ln	7.29		8.75					
		D - A224 London Rd	10.34		6.51					
		Whole Junction	39.58	-221.6	47.36	-124.58	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
Operation	A224 Polhill junction/ Pilgrims Way West Link Road junction	2018 Observed								
		Pilgrims Way – Polhill (south)	17.45		11.7					

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		Pilgrims Way – Polhill (north)	32.95		25.11					
		Polhill (south) – Pilgrims Way	8.31		8.41					
		2035 Baseline								
		Pilgrims Way – Polhill (south)	237.12		142.87					
		Pilgrims Way – Polhill (north)	220.47		112.73					
		Polhill (south) – Pilgrims Way	9.72		10.2					
		2035 With Development								
		Pilgrims Way – Polhill (south)	203.51	-33.61	128.52	-47.61	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		Pilgrims Way – Polhill (north)	188.52	-31.95	98.79	-20.23	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		Polhill (south) – Pilgrims Way	9.63	-0.09	9.83	-0.21	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		2035 Alternative Baseline								
		Pilgrims Way – Polhill (south)	229.75		42.40					
		Pilgrims Way – Polhill (north)	219.11		73.96					
		Polhill (south) – Pilgrims Way	9.37		10.49					
		2035 With Development								
		Pilgrims Way – Polhill (south)	183.36	-46.39	128.52	86.12	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		Pilgrims Way – Polhill (north)	168.42	-50.69	98.79	24.83	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II

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		Polhill (south) – Pilgrims Way	9.63	0.26	9.83	-0.66	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
Operation	Morants Court Road Rbt	2018 Observed								
		A - Star Hill Rd	4.02		4.24					
		B - A224 Polhill	6.44		4.82					
		C - A224 Morants Court Rd	5.27		3.95					
		D - Sundridge Rd	4.50		4.20					
		2035 Baseline								
		A - Star Hill Rd	4.78		5.00					
		B - A224 Polhill	9.82		6.72					
		C - A224 Morants Court Rd	7.22		4.87					
		D - Sundridge Rd	5.4		5.11					
		2035 With Development								
		A - Star Hill Rd	4.75	-0.03	5.33	0.33	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		B - A224 Polhill	9.70	-0.12	6.32	-0.40	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		C - A224 Morants Court Rd	7.25	0.03	4.92	0.05	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		D - Sundridge Rd	5.61	0.21	5.24	0.13	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		2035 Alternative Baseline								
		A - Star Hill Rd	4.71		6.32					

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		B - A224 Polhill	9.47		6.89					
		C - A224 Morants Court Rd	7.77		5.09					
		D - Sundridge Rd	7.30		4.91					
		2035 With Development								
		A - Star Hill Rd	4.75	0.04	5.33	-0.99	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		B - A224 Polhill	9.70	0.23	6.32	-0.57	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		C - A224 Morants Court Rd	7.25	-0.52	4.92	-0.17	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		D - Sundridge Rd	5.61	-1.69	5.24	0.33	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
Operation	M25 Junction 4	2020 Observed								
		A – M25 North	38.51		36.0					
		B – M25 South	68.20		48.73					
		C – M25 West	2.03		2.66					
		2035 Baseline								
		A – M25 North	397.41		519.21					
		B – M25 South	679.53		171.28					
		C – M25 West	2.46		4.08					
		2035 With Development								
		A – M25 North	404.92	7.51	465.54	-53.67	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II

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		B – M25 South	495.47	-184.06	292.18	120.9	Very Large	Moderate Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		C – M25 West	2.5	0.04	3.97	-0.11	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
2035 Alternative Baseline										
		A – M25 North	473.10		349.53					
		B – M25 South	1061.78		113.83					
		C – M25 West	2.34		4.29					
2035 With Development										
		A – M25 North	404.92	-67.37	465.54	118.87	Very Large	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		B – M25 South	495.47	-600.57	292.18	168.89	Very Large	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		C – M25 West	2.5	0.16	3.97	-0.33	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
Operation	M25/A25/A21 Junction	2020 Observed								
		1/1 - A25 (EB) left turn lane for M25 (NB)	0.12		0.18					
		½ - A25 (EB)	0.34		0.46					
		2/1 - A25 (EB) left turn lane for M25 (NB)	13.81		8.51					
		3/1 - A25 (EB)	19.18		12.22					
		4/1 - Link road between A25 (EB) and M25 (NB)	0.00		0.00					

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		5/1 - Link road between A21 (NB) and A25 (EB)	7.85		1.32					
		6/1 - A25 (EB)	0.86		0.68					
		7/1 - A25/A21/Westerham Rd crossroad - A25 (EB) straight on and left turn lane	0.40		0.37					
		7/2 - A25/A21/Westerham Rd crossroad - A25 (EB) right turn lane for A21 (SB)	0.19		0.15					
		8/1 - A25/A21/Westerham Rd crossroad - A25 (EB) straight on and left turn lane	0.39		0.35					
		9/1 - A25/A21/Westerham Rd crossroad - A25 (EB) right turn lane for A21 (SB)	13.67		4.30					
		10/1 - Link road between M25 (SB) and A25 (EB)	0.44		0.28					
		11/1 - A25/A21/Westerham Rd crossroad - A25 (EB) straight on and left turn lane	0.20		0.15					
		12/1 - A25/A21/Westerham Rd crossroad - A25 (EB) to Westerham Rd	2.58		0.55					
		13/1 - A25/A21/Westerham Rd crossroad - stay on A25 (EB)	0.83		0.85					
		14/1 - Westerham Rd (NB)	0.00		0.00					
		15/1 - Westerham Rd (SB)	0.07		0.05					
		16/1 - A25/A21/Westerham Rd crossroad - Westerham Rd left turn flare	0.16		0.18					

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		1/1 - A25 (EB) left turn lane for M25 (NB)	0.13		0.21					
		½ - A25 (EB)	0.38		0.53					
		2/1 - A25 (EB) left turn lane for M25 (NB)	11.04		10.26					
		3/1 - A25 (EB)	20.25		18.77					
		4/1 - Link road between A25 (EB) and M25 (NB)	0.00		0.00					
		5/1 - Link road between A21 (NB) and A25 (EB)	11.34		1.58					
		6/1 - A25 (EB)	1.00		0.80					
		7/1 - A25/A21/Westerham Rd crossroad - A25 (EB) straight on and left turn lane	0.46		0.41					
		7/2 - A25/A21/Westerham Rd crossroad - A25 (EB) right turn lane for A21 (SB)	0.21		0.16					
		8/1 - A25/A21/Westerham Rd crossroad - A25 (EB) straight on and left turn lane	0.44		0.40					
		9/1 - A25/A21/Westerham Rd crossroad - A25 (EB) right turn lane for A21 (SB)	25.41		6.66					
		10/1 - Link road between M25 (SB) and A25 (EB)	0.50		0.31					
		11/1 - A25/A21/Westerham Rd crossroad - A25 (EB) straight on and left turn lane	0.23		0.17					
		12/1 - A25/A21/Westerham Rd crossroad - A25 (EB) to Westerham Rd	3.07		0.61					

PHASE	JUNCTION	MOVEMENT	DELAY (S) AM	CHANGE IN DELAY AM	DELAY (S) PM	CHANGE IN DELAY PM	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
		13/1 - A25/A21/Westerham Rd crossroad – stay on A25 (EB)	0.98		1.01					
		14/1 - Westerham Rd (NB)	0.00		0.00					
		15/1 - Westerham Rd (SB)	0.08		0.06					
		16/1 - A25/A21/Westerham Rd crossroad – Westerham Rd left turn flare	0.19		0.20					
		17/1 - A25/A21/Westerham Rd crossroad – Westerham Rd right turn and straight on	280.70		22.28					
		18/1 - A25 (EB)	0.00		0.00					
		19/1 - A25 (WB)	1.21		0.93					
		20/1 - Link road between A25 (WB) and A21 (SB)	0.00		0.00					
		21/1 - A25/A21/Westerham Rd crossroad – A25 (WB) diverge towards A21 (SB)	0.16		0.11					
		22/1 - A25/A21/Westerham Rd crossroad – stay on A25 (WB)	0.65		0.58					
		23/1 - A25/A21/Westerham Rd crossroad – A25 (WB) right turn lane for Westerham Rd	0.21		0.15					
		24/1 - Link road between A21 (SB) and A25 Westerham Rd (WB)	0.23		0.13					
		25/1 - A25 (WB)	0.75		0.64					
		26/1 - A25 (WB)	0.19		0.15					
		27/1 - A25 (WB)	0.55		0.29					
		27/2 - A25 (WB) right turn lane for M25	0.32		0.26					

PHASE	JUNCTION	MOVEMENT	DELAY (S) AM	CHANGE IN DELAY AM	DELAY (S) PM	CHANGE IN DELAY PM	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
		28/1 - A25 (WB)	0.63		0.33					
		29/1 - A25 (WB) right turn lane for M25	23.08		28.79					
		30/1 - A25 (WB)	0.63		0.52					
		31/1 - Link road between A21 (NB) and A25 (WB)	0.00		1.47					
		2035 Baseline with Development								
		1/1 - A25 (EB) left turn lane for M25 (NB)	0.13	0	0.21	0	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		½ - A25 (EB)	0.38	0	0.53	0	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		2/1 - A25 (EB) left turn lane for M25 (NB)	11.04	0	10.79	0.53	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		3/1 - A25 (EB)	20.25	0	20.09	1.32	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		4/1 - Link road between A25 (EB) and M25 (NB)	0.00	0	0.00	0	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		5/1 - Link road between A21 (NB) and A25 (EB)	15.20	3.86	1.77	0.19	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		6/1 - A25 (EB)	1.07	0.07	0.83	0.03	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		7/1 - A25/A21/Westerham Rd crossroad - A25 (EB) straight on and left turn lane	0.49	0.03	0.43	0.02	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II

PHASE	JUNCTION	MOVEMENT	DELAY (S) AM	CHANGE IN DELAY AM	DELAY (S) PM	CHANGE IN DELAY PM	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
		7/2 - A25/A21/Westerham Rd crossroad - A25 (EB) right turn lane for A21 (SB)	0.21	0	0.16	0	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		8/1 - A25/A21/Westerham Rd crossroad - A25 (EB) straight on and left turn lane	0.47	0.03	0.41	0.01	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		9/1 - A25/A21/Westerham Rd crossroad - A25 (EB) right turn lane for A21 (SB)	25.21	-0.2	6.70	0.04	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		10/1 - Link road between M25 (SB) and A25 (EB)	0.50	0	0.31	0	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		11/1 - A25/A21/Westerham Rd crossroad - A25 (EB) straight on and left turn lane	0.23	0	0.17	0	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		12/1 - A25/A21/Westerham Rd crossroad - A25 (EB) to Westerham Rd	3.65	0.58	0.69	0.08	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		13/1 - A25/A21/Westerham Rd crossroad – stay on A25 (EB)	0.98	0	1.01	0	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		14/1 - Westerham Rd (NB)	0.00	0	0.00	0	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		15/1 - Westerham Rd (SB)	0.09	0.01	0.09	0.03	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		16/1 - A25/A21/Westerham Rd crossroad – Westerham Rd left turn flare	0.23	0.04	0.25	0.05	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		17/1 - A25/A21/Westerham Rd crossroad – Westerham Rd right turn and straight on	545.91	265.21	67.52	45.24	Very Large	Moderate Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II

PHASE	JUNCTION	MOVEMENT	DELAY (S) AM	CHANGE IN DELAY AM	DELAY (S) PM	CHANGE IN DELAY PM	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
		18/1 - A25 (EB)	0.00	0	0.00	0	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		19/1 - A25 (WB)	1.22	0.01	0.93	0	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		20/1 - Link road between A25 (WB) and A21 (SB)	0.00	0	0.00	0	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		21/1 - A25/A21/Westerham Rd crossroad – A25 (WB) diverge towards A21 (SB)	0.16	0	0.11	0	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		22/1 - A25/A21/Westerham Rd crossroad – stay on A25 (WB)	0.65	0	0.58	0	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		23/1 - A25/A21/Westerham Rd crossroad – A25 (WB) right turn lane for Westerham Rd	0.25	0.04	0.18	0.03	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		24/1 - Link road between A21 (SB) and A25 Westerham Rd (WB)	0.24	0.01	0.14	0.01	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		25/1 - A25 (WB)	0.74	-0.01	0.65	0.01	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		26/1 - A25 (WB)	0.19	0	0.15	0	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		27/1 - A25 (WB)	0.55	0	0.30	0.01	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		27/2 - A25 (WB) right turn lane for M25	0.32	0	0.27	0.01	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II

PHASE	JUNCTION	MOVEMENT	DELAY (S) AM	CHANGE IN DELAY AM	DELAY (S) PM	CHANGE IN DELAY PM	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
		28/1 - A25 (WB)	0.63	0	0.34	0.01	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		29/1 - A25 (WB) right turn lane for M25	23.23	0.15	27.51	-1.28	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		30/1 - A25 (WB)	0.64	0.01	0.53	0.01	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		31/1 - Link road between A21 (NB) and A25 (WB)	0.00	0	1.47	0	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
2035 Alternative Baseline										
		1/1 - A25 (EB) left turn lane for M25 (NB)	0.13		0.21					
		½ - A25 (EB)	0.38		0.53					
		2/1 - A25 (EB) left turn lane for M25 (NB)	11.30		12.47					
		3/1 - A25 (EB)	20.31		21.02					
		4/1 - Link road between A25 (EB) and M25 (NB)	0.00		0.00					
		5/1 - Link road between A21 (NB) and A25 (EB)	33.07		1.70					
		6/1 - A25 (EB)	1.20		0.84					
		7/1 - A25/A21/Westerham Rd crossroad - A25 (EB) straight on and left turn lane	0.55		0.41					
		7/2 - A25/A21/Westerham Rd crossroad - A25 (EB) right turn lane for A21 (SB)	0.21		0.16					

PHASE	JUNCTION	MOVEMENT	DELAY (S) AM	CHANGE IN DELAY AM	DELAY (S) PM	CHANGE IN DELAY PM	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
		8/1 - A25/A21/Westerham Rd crossroad - A25 (EB) straight on and left turn lane	0.53		0.40					
		9/1 - A25/A21/Westerham Rd crossroad - A25 (EB) right turn lane for A21 (SB)	24.93		7.43					
		10/1 - Link road between M25 (SB) and A25 (EB)	0.50		0.31					
		11/1 - A25/A21/Westerham Rd crossroad - A25 (EB) straight on and left turn lane	0.25		0.17					
		12/1 - A25/A21/Westerham Rd crossroad - A25 (EB) to Westerham Rd	5.26		0.61					
		13/1 - A25/A21/Westerham Rd crossroad – stay on A25 (EB)	0.98		1.01					
		14/1 - Westerham Rd (NB)	0.00		0.00					
		15/1 - Westerham Rd (SB)	0.09		0.13					
		16/1 - A25/A21/Westerham Rd crossroad – Westerham Rd left turn flare	0.19		0.25					
		17/1 - A25/A21/Westerham Rd crossroad – Westerham Rd right turn and straight on	482.55		416.31					
		18/1 - A25 (EB)	0.00		0.00					
		19/1 - A25 (WB)	1.23		0.93					
		20/1 - Link road between A25 (WB) and A21 (SB)	0.00		0.00					
		21/1 - A25/A21/Westerham Rd crossroad – A25 (WB) diverge towards A21 (SB)	0.16		0.11					

PHASE	JUNCTION	MOVEMENT	DELAY (S) AM	CHANGE IN DELAY AM	DELAY (S) PM	CHANGE IN DELAY PM	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
		22/1 - A25/A21/Westerham Rd crossroad – stay on A25 (WB)	0.65		0.58					
		23/1 - A25/A21/Westerham Rd crossroad – A25 (WB) right turn lane for Westerham Rd	0.27		0.15					
		24/1 - Link road between A21 (SB) and A25 Westerham Rd (WB)	0.26		0.13					
		25/1 - A25 (WB)	0.74		0.66					
		26/1 - A25 (WB)	0.20		0.15					
		27/1 - A25 (WB)	0.57		0.29					
		27/2 - A25 (WB) right turn lane for M25	0.32		0.27					
		28/1 - A25 (WB)	0.66		0.33					
		29/1 - A25 (WB) right turn lane for M25	22.88		29.24					
		30/1 - A25 (WB)	0.67		0.52					
		31/1 - Link road between A21 (NB) and A25 (WB)	0.00		1.46					
		2035 Baseline with Development								
		1/1 - A25 (EB) left turn lane for M25 (NB)	0.13	0	0.21	0	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		½ - A25 (EB)	0.38	0	0.53	0	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		2/1 - A25 (EB) left turn lane for M25 (NB)	11.04	-0.26	10.79	-1.68	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II

PHASE	JUNCTION	MOVEMENT	DELAY (S) AM	CHANGE IN DELAY AM	DELAY (S) PM	CHANGE IN DELAY PM	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
		3/1 - A25 (EB)	20.25	-0.06	20.09	-0.93	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		4/1 - Link road between A25 (EB) and M25 (NB)	0.00	0	0.00	0	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		5/1 - Link road between A21 (NB) and A25 (EB)	15.20	-17.87	1.77	0.07	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		6/1 - A25 (EB)	1.07	-0.13	0.83	-0.01	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		7/1 - A25/A21/Westerham Rd crossroad - A25 (EB) straight on and left turn lane	0.49	-0.06	0.43	0.02	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		7/2 - A25/A21/Westerham Rd crossroad - A25 (EB) right turn lane for A21 (SB)	0.21	0	0.16	0	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		8/1 - A25/A21/Westerham Rd crossroad - A25 (EB) straight on and left turn lane	0.47	-0.06	0.41	0.01	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		9/1 - A25/A21/Westerham Rd crossroad - A25 (EB) right turn lane for A21 (SB)	25.21	0.28	6.70	-0.73	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		10/1 - Link road between M25 (SB) and A25 (EB)	0.50	0	0.31	0	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		11/1 - A25/A21/Westerham Rd crossroad - A25 (EB) straight on and left turn lane	0.23	-0.02	0.17	0	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		12/1 - A25/A21/Westerham Rd crossroad - A25 (EB) to Westerham Rd	3.65	-1.61	0.69	0.08	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II

PHASE	JUNCTION	MOVEMENT	DELAY (S) AM	CHANGE IN DELAY AM	DELAY (S) PM	CHANGE IN DELAY PM	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
		13/1 - A25/A21/Westerham Rd crossroad – stay on A25 (EB)	0.98	0	1.01	0	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		14/1 - Westerham Rd (NB)	0.00	0	0.00	0	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		15/1 - Westerham Rd (SB)	0.09	0	0.09	-0.04	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		16/1 - A25/A21/Westerham Rd crossroad – Westerham Rd left turn flare	0.23	0.04	0.25	0	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		17/1 - A25/A21/Westerham Rd crossroad – Westerham Rd right turn and straight on	545.91	63.36	67.52	-348.79	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		18/1 - A25 (EB)	0.00	0	0.00	0	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		19/1 - A25 (WB)	1.22	-0.01	0.93	0	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		20/1 - Link road between A25 (WB) and A21 (SB)	0.00	0	0.00	0	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		21/1 - A25/A21/Westerham Rd crossroad – A25 (WB) diverge towards A21 (SB)	0.16	0	0.11	0	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		22/1 - A25/A21/Westerham Rd crossroad – stay on A25 (WB)	0.65	0	0.58	0	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		23/1 - A25/A21/Westerham Rd crossroad – A25 (WB) right turn lane for Westerham Rd	0.25	-0.02	0.18	0.03	Small	Negligible Adverse	Yes	Section 6 of the TA, Appendix 8.2, Volume II

PHASE	JUNCTION	MOVEMENT	DELAY (S) AM	CHANGE IN DELAY AM	DELAY (S) PM	CHANGE IN DELAY PM	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
		24/1 - Link road between A21 (SB) and A25 Westerham Rd (WB)	0.24	-0.02	0.14	0.01	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		25/1 - A25 (WB)	0.74	0	0.65	-0.01	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		26/1 - A25 (WB)	0.19	-0.01	0.15	0	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		27/1 - A25 (WB)	0.55	-0.02	0.30	0.01	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		27/2 - A25 (WB) right turn lane for M25	0.32	0	0.27	0	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		28/1 - A25 (WB)	0.63	-0.03	0.34	0.01	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		29/1 - A25 (WB) right turn lane for M25	23.23	0.35	27.51	-1.73	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		30/1 - A25 (WB)	0.64	-0.03	0.53	0.01	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II
		31/1 - Link road between A21 (NB) and A25 (WB)	0.00	0	1.47	0.01	Small	Negligible Beneficial	Yes	Section 6 of the TA, Appendix 8.2, Volume II

Pedestrian Delay & Amenity

PHASE	LINK REF	KEY RECEPTOR	AVERAGE HOURLY FLOW				HGV FLOWS				DESCRIPTION	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
			BASE	WITH DEV	HALVED?	DOUBLED?	BASE	WITH DEV	HALVED?	DOUBLED?					
Construction	8	Crow Drive	703	1,593	NO	YES	66	191	NO	YES	There is a doubling of hourly flows and HGV flows. This link is within the site and therefore has low baseline flows. The increase in both vehicles and HGVs would be a short-term impact of the development.	Medium	Negligible Adverse	No	Section 7 of the TA, Appendix 8.2, Volume II
	9	A224 London Road	13,981	14,871	NO	NO	898	1,023	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 7 of the TA, Appendix 8.2, Volume II
	10	M25 (South of A21)	111,214	112,104	NO	NO	9,287	9,412	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 7 of the TA, Appendix 8.2, Volume II
	12	A224 Orpington By-Pass (2017)	11,480	12,370	NO	NO	1,093	1,217	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 7 of the TA, Appendix 8.2, Volume II
Operation	1	Old London Road	5,076	5,315	NO	NO	82	88	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	2 & 3	Main Road / Halstead Lane	3,162	3,256	NO	NO	215	218	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	4 & 5	Shoreham Lane / Knockholt Road	1,146	1,146	NO	NO	26	26	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	6	Offord Lane	725	756	NO	NO	1	2	NO	YES	Doubling of HGVs due to small number within the base	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II

PHASE	LINK REF	KEY RECEPTOR	AVERAGE HOURLY FLOW				HGV FLOWS				DESCRIPTION	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
			BASE	WITH DEV	HALVED?	DOUBLED?	BASE	WITH DEV	HALVED?	DOUBLED?					
7		Star Hill Road (S) (2017)	4,040	4,692	NO	NO	315	331	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
8		Crow Drive	5,296	7,480	NO	NO	181	235	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
9		A224 London Road	18,207	20,179	NO	NO	1,051	1,100	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
10		M25 (South of A21)	123,390	123,562	NO	NO	10,244	10,249	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Beneficial	No	Section 5 of the TA, Appendix 8.2, Volume II
11		Rushmore Hill	4,490	4,399	NO	NO	332	329	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Beneficial	No	Section 5 of the TA, Appendix 8.2, Volume II
12		A224 Orpington By-Pass (2017)	15,138	16,780	NO	NO	1,254	1,295	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
13		A21 Sevenoaks Road	27,196	27,435	NO	NO	3,573	3,579	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
14		Polhill - 008	16,567	16,753	NO	NO	913	918	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
15		Offord High Street	11,428	11,755	NO	NO	568	576	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
16		A 224 London Road (Bullfinch Lane)	22,907	23,196	NO	NO	1,203	1,211	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II

PHASE	LINK REF	KEY RECEPTOR	AVERAGE HOURLY FLOW				HGV FLOWS				DESCRIPTION	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
			BASE	WITH DEV	HALVED?	DOUBLED?	BASE	WITH DEV	HALVED?	DOUBLED?					
	17	A 224 London Road (Station Road)	15,784	16,073	NO	NO	857	864	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	18	Star Hill - 011	3,742	3,920	NO	NO	222	227	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
Operation Alternative Baseline	1	Old London Road	5,453	5,315	NO	NO	75	88	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	2 & 3	Main Road / Halstead Lane	3,304	3,256	NO	NO	213	218	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	4 & 5	Shoreham Lane / Knockholt Road	1,146	1,146	NO	NO	26	26	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	6	Offord Lane	755	756	NO	NO	0	2	NO	YES	Doubling of HGVs due to small number within the base	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	7	Star Hill Road (S) (2017)	6,051	4,692	NO	NO	308	331	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	8	Crow Drive	6,989	7,480	NO	NO	139	235	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	9	A224 London Road	20,666	20,179	NO	NO	1,085	1,100	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	10	M25 (South of A21)	123,117	123,562	NO	NO	10,274	10,249	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II

PHASE	LINK REF	KEY RECEPTOR	AVERAGE HOURLY FLOW				HGV FLOWS				DESCRIPTION	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
			BASE	WITH DEV	HALVED?	DOUBLED?	BASE	WITH DEV	HALVED?	DOUBLED?					
11		Rushmore Hill	4,447	4,399	NO	NO	329	329	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Beneficial	No	Section 5 of the TA, Appendix 8.2, Volume II
12		A224 Orpington By-Pass (2017)	17,012	16,780	NO	NO	1,298	1,295	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Beneficial	No	Section 5 of the TA, Appendix 8.2, Volume II
13		A21 Sevenoaks Road	27,573	27,435	NO	NO	3,566	3,579	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
14		Polhill - 008	16,217	16,753	NO	NO	876	918	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA
15		Offord High Street	11,895	11,755	NO	NO	559	576	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
16		A 224 London Road (Bullfinch Lane)	23,222	23,196	NO	NO	1,194	1,211	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
17		A 224 London Road (Station Road)	16,099	16,073	NO	NO	848	864	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
18		Star Hill - 011	4,036	3,920	NO	NO	216	227	NO	NO	No halving or doubling of hourly flows or HGV flows	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II

Fear & Intimidation

PHASE	LINK REF	KEY RECEPTOR	AVERAGE HOURLY FLOW			18 HOUR HGV FLOWS					DESCRIPTION	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
			BASE	MAGNITUDE	WITH DEV	MAGNITUDE	BASE	MAGNITUDE	WITH DEV	MAGNITUDE					
Construction	8	Crow Drive	39	Small	88	Small	66	Small	191	Small	No Change in Magnitude	Small	Negligible Adverse	No	Section 7 of the TA, Appendix 8.2, Volume II
	9	A224 London Road	777	Medium	826	Medium	898	Small	1,023	Medium	Change from Negligible to Minor for HGV flows	Small	Negligible Adverse	No	Section 7 of the TA, Appendix 8.2, Volume II
	10	M25 (South of A21)	6,179	Very Large	6,228	Very Large	9,287	Very Large	9,412	Very Large	No Change in Magnitude	Very Large	Negligible Adverse	No	Section 7 of the TA, Appendix 8.2, Volume II
	12	A224 Orpington By-Pass (2017)	638	Medium	687	Medium	1,093	Medium	1,217	Medium	No Change in Magnitude	Medium	Negligible Adverse	No	Section 7 of the TA, Appendix 8.2, Volume II
Operation	1	Old London Road	282	Small	295	Small	82	Small	88	Small	No Change in Magnitude	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	2 & 3	Main Road / Halstead Lane	176	Small	181	Small	215	Small	218	Small	No Change in Magnitude	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	4 & 5	Shoreham Lane / Knockholt Road	64	Small	64	Small	26	Small	26	Small	No Change in Magnitude	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	6	Oxford Lane	40	Small	42	Small	1	Small	2	Small	No Change in Magnitude	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	7	Star Hill Road (S) (2017)	224	Small	261	Small	315	Small	331	Small	No Change in Magnitude	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	8	Crow Drive	294	Small	416	Small	181	Small	235	Small	No Change in Magnitude	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II

PHASE	LINK REF	KEY RECEPTOR	AVERAGE HOURLY FLOW			18 HOUR HGV FLOWS					DESCRIPTION	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
			BASE	MAGNITUDE	WITH DEV	MAGNITUDE	BASE	MAGNITUDE	WITH DEV	MAGNITUDE					
9		A224 London Road	1,012	Medium	1,121	Medium	1,051	Medium	1,100	Medium	No Change in Magnitude	Medium	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
10		M25 (South of A21)	6,855	Very Large	6,865	Very Large	10,244	Very Large	10,249	Very Large	No Change in Magnitude	Very Large	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
11		Rushmore Hill	249	Small	244	Small	332	Small	329	Small	No Change in Magnitude	Small	Negligible Beneficial	No	Section 5 of the TA, Appendix 8.2, Volume II
12		A224 Orpington By-Pass (2017)	841	Medium	932	Medium	1,254	Medium	1,295	Medium	No Change in Magnitude	Medium	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
13		A21 Sevenoaks Road	1,511	Large	1,524	Large	3,573	Large	3,579	Large	No Change in Magnitude	Large	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
14		Polhill - 008	920	Medium	931	Medium	913	Small	918	Small	No Change in Magnitude	Medium	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
15		Oxford High Street	635	Medium	653	Medium	568	Small	576	Small	No Change in Magnitude	Medium	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
16		A 224 London Road (Bullfinch Lane)	1,273	Large	1,289	Large	1,203	Medium	1,211	Medium	No Change in Magnitude	Large	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
17		A 224 London Road (Station Road)	877	Medium	893	Medium	857	Small	864	Small	No Change in Magnitude	Medium	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
18		Star Hill - 011	208	Small	218	Small	222	Small	227	Small	No Change in Magnitude	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II

PHASE	LINK REF	KEY RECEPTOR	AVERAGE HOURLY FLOW			18 HOUR HGV FLOWS					DESCRIPTION	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
			BASE	MAGNITUDE	WITH DEV	MAGNITUDE	BASE	MAGNITUDE	WITH DEV	MAGNITUDE					
Operation Alternative Baseline	1	Old London Road	303	Small	295	Small	75	Small	88	Small	No Change in Magnitude	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	2 & 3	Main Road / Halstead Lane	184	Small	181	Small	213	Small	218	Small	No Change in Magnitude	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	4 & 5	Shoreham Lane / Knockholt Road	64	Small	64	Small	26	Small	26	Small	No Change in Magnitude	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	6	Otford Lane	42	Small	42	Small	0	Small	2	Small	No Change in Magnitude	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	7	Star Hill Road (S) (2017)	336	Small	261	Small	308	Small	331	Small	No Change in Magnitude	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	8	Crow Drive	388	Small	416	Small	139	Small	235	Small	No Change in Magnitude	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	9	A224 London Road	1,148	Medium	1,121	Medium	1,085	Medium	1,100	Medium	No Change in Magnitude	Medium	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	10	M25 (South of A21)	6,840	Very Large	6,865	Very Large	10,274	Very Large	10,249	Very Large	No Change in Magnitude	Very Large	Negligible Beneficial	No	Section 5 of the TA, Appendix 8.2, Volume II
	11	Rushmore Hill	247	Small	244	Small	329	Small	329	Small	No Change in Magnitude	Small	Negligible Beneficial	No	Section 5 of the TA, Appendix 8.2, Volume II
	12	A224 Orpington By-Pass (2017)	945	Medium	932	Medium	1,298	Medium	1,295	Medium	No Change in Magnitude	Medium	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II

PHASE	LINK REF	KEY RECEPTOR	AVERAGE HOURLY FLOW			18 HOUR HGV FLOWS					DESCRIPTION	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
			BASE	MAGNITUDE	WITH DEV	MAGNITUDE	BASE	MAGNITUDE	WITH DEV	MAGNITUDE					
	13	A21 Sevenoaks Road	1,532	Large	1,524	Large	3,566	Very Large	3,579	Very Large	No Change in Magnitude	Large	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	14	Polhill - 008	901	Medium	931	Medium	876	Small	918	Small	No Change in Magnitude	Small	Negligible Beneficial	No	Section 5 of the TA, Appendix 8.2, Volume II
	15	Otford High Street	661	Medium	653	Medium	559	Small	576	Small	No Change in Magnitude	Medium	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	16	A 224 London Road (Bullfinch Lane)	1,290	Large	1,289	Large	1,194	Medium	1,211	Medium	No Change in Magnitude	Large	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	17	A 224 London Road (Station Road)	894	Medium	893	Medium	848	Small	864	Small	No Change in Magnitude	Medium	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II
	18	Star Hill - 011	224	Small	218	Small	216	Small	227	Small	No Change in Magnitude	Small	Negligible Adverse	No	Section 5 of the TA, Appendix 8.2, Volume II

Accidents & Safety

PHASE	CLUSTER LOCATION	NUMBER OF ACCIDENTS			DESCRIPTION	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
		DO MINIMUM	DO SOMETHING	INCREASE IN ACCIDENT RISK					
Operation	Hewitts Roundabout	13	13	-0.55%	The junction is not likely to result in additional accidents as a result of the development.	Small	Negligible Beneficial	Yes	Section 2 of the TA, Appendix 8.2, Volume II
Operation	Starhill Road/Morants Court Road Roundabout	5	5	7.5%	The site may result in additional accidents as a result of the development due to the increased number of vehicles anticipated to use Starhill Road (South).	Small	Negligible Adverse	Yes	Section 2 of the TA, Appendix 8.2, Volume II

PHASE	CLUSTER LOCATION	NUMBER OF ACCIDENTS			DESCRIPTION	MAGNITUDE PRE-MITIGATION	SIGNIFICANCE PRE-MITIGATION	MITIGATION PROPOSED?	FURTHER INFORMATION
		DO MINIMUM	DO SOMETHING	INCREASE IN ACCIDENT RISK					
Operation	Starhill Road	5	5	7.2%	The site may result in additional accidents as a result of the development due to the increased number of vehicles anticipated to use Starhill Road (South).	Small	Negligible Adverse	Yes	Section 2 of the TA, Appendix 8.2, Volume II