

Harpenden, Thursday 27th June 2024

Junction: 1
Approach: B653 Lower Luton Road North



TIME	Left to B652 Bower Heath Lane					Ahead to B653 Lower Luton Road (South)					Right to Westfield Road				
	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs
07:00 - 07:15	0	0	0	0	0.0	123	3	0	126	129.9	5	0	0	5	5.0
07:15 - 07:30	2	1	0	3	4.3	154	2	0	156	158.6	13	0	0	13	13.0
07:30 - 07:45	5	1	0	6	7.3	175	6	1	182	190.8	22	0	0	22	22.0
07:45 - 08:00	1	0	0	1	1.0	174	4	1	179	185.2	36	0	0	36	36.0
Hourly Total	8	2	0	10	12.6	626	15	2	643	664.5	76	0	0	76	76.0
08:00 - 08:15	4	1	0	5	6.3	131	4	0	135	140.2	36	0	0	36	36.0
08:15 - 08:30	3	0	0	3	3.0	100	3	0	103	106.9	46	0	0	46	46.0
08:30 - 08:45	3	0	0	3	3.0	121	5	0	126	132.5	52	0	0	52	52.0
08:45 - 09:00	1	0	0	1	1.0	86	4	0	90	95.2	24	0	0	24	24.0
Hourly Total	11	1	0	12	13.3	438	16	0	454	474.8	158	0	0	158	158.0
09:00 - 09:15	3	0	0	3	3.0	106	3	0	109	112.9	6	2	0	8	10.6
09:15 - 09:30	2	0	0	2	2.0	97	3	0	100	103.9	9	0	0	9	9.0
09:30 - 09:45	2	0	0	2	2.0	74	5	0	79	85.5	4	0	0	4	4.0
09:45 - 10:00	3	0	0	3	3.0	56	1	0	57	58.3	3	0	0	3	3.0
Hourly Total	10	0	0	10	10.0	333	12	0	345	360.6	22	2	0	24	26.6

PCU Factors:	
LIGHT	1.0
HEAVY	2.3
BUS	2.0

TOTAL	29	3	0	32	35.9	1397	43	2	1442	1499.9	256	2	0	258	260.6
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16:00 - 16:15	2	0	0	2	2.0	67	2	0	69	71.6	9	0	1	10	11.0
16:15 - 16:30	7	0	0	7	7.0	77	1	0	78	79.3	5	1	0	6	7.3
16:30 - 16:45	5	0	0	5	5.0	91	2	1	94	97.6	6	0	0	6	6.0
16:45 - 17:00	2	0	0	2	2.0	88	2	0	90	92.6	7	0	0	7	7.0
Hourly Total	16	0	0	16	16.0	323	7	1	331	341.1	27	1	1	29	31.3
17:00 - 17:15	2	1	0	3	4.3	87	1	0	88	89.3	5	0	0	5	5.0
17:15 - 17:30	2	0	0	2	2.0	88	0	0	88	88.0	6	0	0	6	6.0
17:30 - 17:45	7	0	0	7	7.0	83	0	0	83	83.0	10	1	0	11	12.3
17:45 - 18:00	4	0	0	4	4.0	45	0	0	45	45.0	9	0	0	9	9.0
Hourly Total	15	1	0	16	17.3	303	1	0	304	305.3	30	1	0	31	32.3
18:00 - 18:15	2	0	0	2	2.0	71	0	0	71	71.0	3	0	0	3	3.0
18:15 - 18:30	0	0	0	0	0.0	72	0	1	73	74.0	12	0	0	12	12.0
18:30 - 18:45	0	0	0	0	0.0	66	2	0	68	70.6	8	0	1	9	10.0
18:45 - 19:00	0	0	0	0	0.0	49	2	0	51	53.6	7	0	0	7	7.0
Hourly Total	2	0	0	2	2.0	258	4	1	263	269.2	30	0	1	31	32.0

TOTAL	33	1	0	34	35.3	884	12	2	898	915.6	87	2	2	91	95.6
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Harpenden, Thursday 27th June 2024

Junction: 1
Approach: B652 Bower Heath Lane



TIME	Left to B653 Lower Luton Road (South)					Ahead to Westfield Road					Right to B653 Lower Luton Road (North)				
	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs
07:00 - 07:15	5	2	0	7	9.6	14	0	0	14	14.0	3	0	0	3	3.0
07:15 - 07:30	5	0	0	5	5.0	14	0	0	14	14.0	3	0	0	3	3.0
07:30 - 07:45	4	0	0	4	4.0	18	0	0	18	18.0	3	1	0	4	5.3
07:45 - 08:00	2	0	0	2	2.0	22	0	0	22	22.0	4	0	0	4	4.0
Hourly Total	16	2	0	18	20.6	68	0	0	68	68.0	13	1	0	14	15.3
08:00 - 08:15	2	0	0	2	2.0	22	0	0	22	22.0	4	0	0	4	4.0
08:15 - 08:30	3	1	0	4	5.3	34	0	0	34	34.0	3	0	0	3	3.0
08:30 - 08:45	2	0	0	2	2.0	14	0	0	14	14.0	1	0	0	1	1.0
08:45 - 09:00	2	0	0	2	2.0	14	0	0	14	14.0	2	0	0	2	2.0
Hourly Total	9	1	0	10	11.3	84	0	0	84	84.0	10	0	0	10	10.0
09:00 - 09:15	3	0	0	3	3.0	11	0	0	11	11.0	3	0	0	3	3.0
09:15 - 09:30	5	0	0	5	5.0	6	1	0	7	8.3	0	0	0	0	0.0
09:30 - 09:45	1	0	0	1	1.0	2	0	0	2	2.0	1	0	0	1	1.0
09:45 - 10:00	7	0	0	7	7.0	2	0	0	2	2.0	3	0	0	3	3.0
Hourly Total	16	0	0	16	16.0	21	1	0	22	23.3	7	0	0	7	7.0

TOTAL	41	3	0	44	47.9	173	1	0	174	175.3	30	1	0	31	32.3
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16:00 - 16:15	5	1	0	6	7.3	4	0	0	4	4.0	4	1	0	5	6.3
16:15 - 16:30	4	0	0	4	4.0	6	0	0	6	6.0	1	0	0	1	1.0
16:30 - 16:45	3	0	0	3	3.0	9	0	0	9	9.0	4	0	0	4	4.0
16:45 - 17:00	6	0	0	6	6.0	7	0	0	7	7.0	2	0	0	2	2.0
Hourly Total	18	1	0	19	20.3	26	0	0	26	26.0	11	1	0	12	13.3
17:00 - 17:15	5	0	0	5	5.0	9	0	0	9	9.0	2	0	0	2	2.0
17:15 - 17:30	4	0	0	4	4.0	12	0	0	12	12.0	9	0	0	9	9.0
17:30 - 17:45	6	0	0	6	6.0	6	0	0	6	6.0	6	0	0	6	6.0
17:45 - 18:00	8	0	0	8	8.0	12	0	0	12	12.0	2	0	0	2	2.0
Hourly Total	23	0	0	23	23.0	39	0	0	39	39.0	19	0	0	19	19.0
18:00 - 18:15	3	0	0	3	3.0	6	0	0	6	6.0	0	0	0	0	0.0
18:15 - 18:30	7	0	0	7	7.0	4	0	0	4	4.0	2	0	0	2	2.0
18:30 - 18:45	1	0	0	1	1.0	8	0	0	8	8.0	2	0	0	2	2.0
18:45 - 19:00	2	0	0	2	2.0	10	0	0	10	10.0	2	0	0	2	2.0
Hourly Total	13	0	0	13	13.0	28	0	0	28	28.0	6	0	0	6	6.0

TOTAL	54	1	0	55	56.3	93	0	0	93	93.0	36	1	0	37	38.3
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PCU Factors:	
LIGHT	1.0
HEAVY	2.3
BUS	2.0

Harpenden, Thursday 27th June 2024

Junction: 1

Approach: B653 Lower Luton Road South



TIME	Left to Westfield Road					Ahead to B653 Lower Luton Road (North)					Right to B652 Bower Heath Lane				
	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs
07:00 - 07:15	1	0	0	1	1.0	51	4	2	57	64.2	5	1	0	6	7.3
07:15 - 07:30	7	0	0	7	7.0	86	2	0	88	90.6	0	0	0	0	0.0
07:30 - 07:45	5	0	1	6	7.0	82	3	0	85	88.9	3	0	0	3	3.0
07:45 - 08:00	17	0	0	17	17.0	67	2	0	69	71.6	2	0	0	2	2.0
Hourly Total	30	0	1	31	32.0	286	11	2	299	315.3	10	1	0	11	12.3
08:00 - 08:15	20	2	0	22	24.6	90	4	0	94	99.2	0	1	0	1	2.3
08:15 - 08:30	22	0	2	24	26.0	104	0	0	104	104.0	0	0	0	0	0.0
08:30 - 08:45	17	0	0	17	17.0	91	5	1	97	104.5	0	0	0	0	0.0
08:45 - 09:00	34	1	0	35	36.3	91	1	0	92	93.3	0	0	0	0	0.0
Hourly Total	93	3	2	98	103.9	376	10	1	387	401.0	0	1	0	1	2.3
09:00 - 09:15	10	1	1	12	14.3	73	0	0	73	73.0	1	0	0	1	1.0
09:15 - 09:30	9	2	1	12	15.6	73	3	0	76	79.9	6	0	0	6	6.0
09:30 - 09:45	13	2	1	16	19.6	54	2	0	56	58.6	5	0	0	5	5.0
09:45 - 10:00	4	0	0	4	4.0	72	1	0	73	74.3	0	1	0	1	2.3
Hourly Total	36	5	3	44	53.5	272	6	0	278	285.8	12	1	0	13	14.3

TOTAL	159	8	6	173	189.4	934	27	3	964	1002.1	22	3	0	25	28.9
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16:00 - 16:15	16	1	1	18	20.3	125	4	0	129	134.2	6	1	0	7	8.3
16:15 - 16:30	6	0	1	7	8.0	129	2	1	132	135.6	3	0	0	3	3.0
16:30 - 16:45	12	0	0	12	12.0	121	2	0	123	125.6	7	0	0	7	7.0
16:45 - 17:00	13	1	0	14	15.3	118	2	0	120	122.6	3	0	0	3	3.0
Hourly Total	47	2	2	51	55.6	493	10	1	504	518.0	19	1	0	20	21.3
17:00 - 17:15	11	1	1	13	15.3	139	0	1	140	141.0	4	0	0	4	4.0
17:15 - 17:30	10	0	0	10	10.0	119	3	0	122	125.9	9	1	0	10	11.3
17:30 - 17:45	17	0	0	17	17.0	124	2	0	126	128.6	7	0	0	7	7.0
17:45 - 18:00	9	0	0	9	9.0	128	2	1	131	134.6	2	0	0	2	2.0
Hourly Total	47	1	1	49	51.3	510	7	2	519	530.1	22	1	0	23	24.3
18:00 - 18:15	18	0	2	20	22.0	116	2	0	118	120.6	2	0	1	3	4.0
18:15 - 18:30	9	1	1	11	13.3	103	2	0	105	107.6	4	0	0	4	4.0
18:30 - 18:45	12	0	0	12	12.0	94	2	1	97	100.6	2	0	0	2	2.0
18:45 - 19:00	10	0	1	11	12.0	76	1	0	77	78.3	8	0	0	8	8.0
Hourly Total	49	1	4	54	59.3	389	7	1	397	407.1	16	0	1	17	18.0

TOTAL	143	4	7	154	166.2	1392	24	4	1420	1455.2	57	2	1	60	63.6
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PCU Factors:	
LIGHT	1.0
HEAVY	2.3
BUS	2.0

Harpenden, Thursday 27th June 2024

Junction: 1
Approach: Westfield Road



	Left to B653 Lower Luton Road (North)					Ahead to B652 Bower Heath Lane					Right to B653 Lower Luton Road (South)				
TIME	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs
07:00 - 07:15	3	1	0	4	5.3	2	0	0	2	2.0	7	1	0	8	9.3
07:15 - 07:30	4	0	0	4	4.0	2	0	0	2	2.0	8	0	0	8	8.0
07:30 - 07:45	6	0	0	6	6.0	4	0	0	4	4.0	14	0	0	14	14.0
07:45 - 08:00	6	0	0	6	6.0	2	0	0	2	2.0	7	0	2	9	11.0
Hourly Total	19	1	0	20	21.3	10	0	0	10	10.0	36	1	2	39	42.3
08:00 - 08:15	11	0	0	11	11.0	6	1	0	7	8.3	11	1	0	12	13.3
08:15 - 08:30	16	0	1	17	18.0	9	0	0	9	9.0	10	1	0	11	12.3
08:30 - 08:45	11	0	1	12	13.0	11	0	0	11	11.0	16	0	0	16	16.0
08:45 - 09:00	21	0	0	21	21.0	8	0	0	8	8.0	16	0	1	17	18.0
Hourly Total	59	0	2	61	63.0	34	1	0	35	36.3	53	2	1	56	59.6
09:00 - 09:15	13	0	0	13	13.0	1	1	0	2	3.3	8	0	1	9	10.0
09:15 - 09:30	10	1	0	11	12.3	6	0	0	6	6.0	8	1	0	9	10.3
09:30 - 09:45	5	1	0	6	7.3	8	0	0	8	8.0	6	1	0	7	8.3
09:45 - 10:00	4	0	0	4	4.0	5	0	0	5	5.0	10	0	0	10	10.0
Hourly Total	32	2	0	34	36.6	20	1	0	21	22.3	32	2	1	35	38.6
TOTAL	110	3	2	115	120.9	64	2	0	66	68.6	121	5	4	130	140.5

16:00 - 16:15	19	0	0	19	19.0	8	0	0	8	8.0	16	0	0	16	16.0
16:15 - 16:30	18	0	0	18	18.0	18	0	0	18	18.0	10	0	0	10	10.0
16:30 - 16:45	31	0	0	31	31.0	14	0	0	14	14.0	13	0	2	15	17.0
16:45 - 17:00	29	1	0	30	31.3	16	0	0	16	16.0	8	0	0	8	8.0
Hourly Total	97	1	0	98	99.3	56	0	0	56	56.0	47	0	2	49	51.0
17:00 - 17:15	21	1	0	22	23.3	17	0	0	17	17.0	9	0	0	9	9.0
17:15 - 17:30	23	0	0	23	23.0	10	0	0	10	10.0	14	0	3	17	20.0
17:30 - 17:45	26	0	0	26	26.0	14	1	0	15	16.3	15	0	0	15	15.0
17:45 - 18:00	16	0	0	16	16.0	6	0	0	6	6.0	16	0	0	16	16.0
Hourly Total	86	1	0	87	88.3	47	1	0	48	49.3	54	0	3	57	60.0
18:00 - 18:15	11	0	0	11	11.0	13	0	0	13	13.0	9	1	0	10	11.3
18:15 - 18:30	11	0	0	11	11.0	10	0	0	10	10.0	13	0	0	13	13.0
18:30 - 18:45	10	0	0	10	10.0	12	0	0	12	12.0	5	0	1	6	7.0
18:45 - 19:00	11	0	0	11	11.0	6	0	0	6	6.0	13	0	0	13	13.0
Hourly Total	43	0	0	43	43.0	41	0	0	41	41.0	40	1	1	42	44.3
TOTAL	226	2	0	228	230.6	144	1	0	145	146.3	141	1	6	148	155.3

PCU Factors:	
LIGHT	1.0
HEAVY	2.3
BUS	2.0

Harpenden, Thursday 27th June 2024

Junction: 2
Approach: B653 Lower Luton Road North



TIME	Ahead to B653 Lower Luton Road (South)					Right to B652 Station Road					U-Turn				
	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs
07:00 - 07:15	110	4	0	114	119.2	28	0	0	28	28.0	0	0	0	0	0.0
07:15 - 07:30	135	3	0	138	141.9	30	0	0	30	30.0	0	0	0	0	0.0
07:30 - 07:45	129	3	1	133	137.9	62	2	0	64	66.6	0	0	0	0	0.0
07:45 - 08:00	131	0	2	133	135.0	59	2	0	61	63.6	0	0	0	0	0.0
Hourly Total	505	10	3	518	534.0	179	4	0	183	188.2	0	0	0	0	0.0
08:00 - 08:15	107	7	0	114	123.1	39	0	0	39	39.0	0	0	0	0	0.0
08:15 - 08:30	71	2	0	73	75.6	45	1	0	46	47.3	0	0	0	0	0.0
08:30 - 08:45	86	4	0	90	95.2	54	0	0	54	54.0	0	0	0	0	0.0
08:45 - 09:00	71	3	1	75	79.9	42	1	0	43	44.3	0	0	0	0	0.0
Hourly Total	335	16	1	352	373.8	180	2	0	182	184.6	0	0	0	0	0.0
09:00 - 09:15	81	3	0	84	87.9	32	3	0	35	38.9	0	0	0	0	0.0
09:15 - 09:30	80	2	0	82	84.6	26	2	0	28	30.6	0	0	0	0	0.0
09:30 - 09:45	60	4	0	64	69.2	25	1	0	26	27.3	0	0	0	0	0.0
09:45 - 10:00	44	1	0	45	46.3	38	1	0	39	40.3	0	0	0	0	0.0
Hourly Total	265	10	0	275	288.0	121	7	0	128	137.1	0	0	0	0	0.0

PCU Factors:	
LIGHT	1.0
HEAVY	2.3
BUS	2.0

TOTAL	1105	36	4	1145	1195.8	480	13	0	493	509.9	0	0	0	0	0.0
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16:00 - 16:15	61	4	0	65	70.2	27	0	0	27	27.0	1	0	0	1	1.0
16:15 - 16:30	64	0	0	64	64.0	28	0	0	28	28.0	0	0	0	0	0.0
16:30 - 16:45	67	2	1	70	73.6	36	0	0	36	36.0	0	1	0	1	2.3
16:45 - 17:00	78	2	0	80	82.6	35	0	0	35	35.0	0	0	0	0	0.0
Hourly Total	270	8	1	279	290.4	126	0	0	126	126.0	1	1	0	2	3.3
17:00 - 17:15	60	1	0	61	62.3	42	0	0	42	42.0	0	0	0	0	0.0
17:15 - 17:30	71	0	2	73	75.0	41	0	0	41	41.0	1	0	0	1	1.0
17:30 - 17:45	68	0	0	68	68.0	33	0	0	33	33.0	0	0	0	0	0.0
17:45 - 18:00	47	0	0	47	47.0	30	0	0	30	30.0	0	0	0	0	0.0
Hourly Total	246	1	2	249	252.3	146	0	0	146	146.0	1	0	0	1	1.0
18:00 - 18:15	58	0	0	58	58.0	35	0	0	35	35.0	0	0	0	0	0.0
18:15 - 18:30	51	1	1	53	55.3	33	0	0	33	33.0	0	0	0	0	0.0
18:30 - 18:45	57	2	1	60	63.6	24	0	0	24	24.0	0	0	0	0	0.0
18:45 - 19:00	39	3	0	42	45.9	32	0	0	32	32.0	0	0	0	0	0.0
Hourly Total	205	6	2	213	222.8	124	0	0	124	124.0	0	0	0	0	0.0

TOTAL	721	15	5	741	765.5	396	0	0	396	396.0	2	1	0	3	4.3
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Harpenden, Thursday 27th June 2024

Junction: 2
Approach: B653 Lower Luton Road South



TIME	Left to B652 Station Road					Ahead to B653 Lower Luton Road (North)					U-Turn				
	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs
07:00 - 07:15	30	2	0	32	34.6	56	3	1	60	64.9	0	0	0	0	0.0
07:15 - 07:30	63	2	0	65	67.6	68	3	0	71	74.9	0	0	0	0	0.0
07:30 - 07:45	62	2	0	64	66.6	85	3	1	89	93.9	0	0	0	0	0.0
07:45 - 08:00	87	3	1	91	95.9	69	5	0	74	80.5	0	0	0	0	0.0
Hourly Total	242	9	1	252	264.7	278	14	2	294	314.2	0	0	0	0	0.0
08:00 - 08:15	96	7	2	105	116.1	79	3	0	82	85.9	0	0	0	0	0.0
08:15 - 08:30	98	3	2	103	108.9	91	2	3	96	101.6	0	0	0	0	0.0
08:30 - 08:45	97	1	0	98	99.3	88	3	0	91	94.9	0	0	0	0	0.0
08:45 - 09:00	82	0	0	82	82.0	59	1	1	61	63.3	0	0	0	0	0.0
Hourly Total	373	11	4	388	406.3	317	9	4	330	345.7	0	0	0	0	0.0
09:00 - 09:15	74	3	0	77	80.9	66	3	1	70	74.9	0	0	0	0	0.0
09:15 - 09:30	54	2	1	57	60.6	61	2	0	63	65.6	0	0	0	0	0.0
09:30 - 09:45	60	3	0	63	66.9	52	3	1	56	60.9	0	0	0	0	0.0
09:45 - 10:00	50	0	0	50	50.0	59	0	0	59	59.0	0	0	0	0	0.0
Hourly Total	238	8	1	247	258.4	238	8	2	248	260.4	0	0	0	0	0.0

TOTAL	853	28	6	887	929.4	833	31	8	872	920.3	0	0	0	0	0.0
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16:00 - 16:15	54	0	1	55	56.0	104	5	0	109	115.5	0	0	0	0	0.0
16:15 - 16:30	57	2	0	59	61.6	109	2	2	113	117.6	0	0	0	0	0.0
16:30 - 16:45	42	0	0	42	42.0	101	0	0	101	101.0	0	0	0	0	0.0
16:45 - 17:00	55	3	0	58	61.9	85	3	1	89	93.9	0	0	0	0	0.0
Hourly Total	208	5	1	214	221.5	399	10	3	412	428.0	0	0	0	0	0.0
17:00 - 17:15	42	0	1	43	44.0	118	1	1	120	122.3	0	0	0	0	0.0
17:15 - 17:30	43	3	0	46	49.9	86	4	0	90	95.2	1	0	0	1	1.0
17:30 - 17:45	55	0	0	55	55.0	110	2	0	112	114.6	0	0	0	0	0.0
17:45 - 18:00	63	0	0	63	63.0	101	3	4	108	115.9	0	0	0	0	0.0
Hourly Total	203	3	1	207	211.9	415	10	5	430	448.0	1	0	0	1	1.0
18:00 - 18:15	65	0	0	65	65.0	95	2	0	97	99.6	2	0	0	2	2.0
18:15 - 18:30	55	0	0	55	55.0	76	2	1	79	82.6	0	0	0	0	0.0
18:30 - 18:45	60	0	0	60	60.0	77	1	1	79	81.3	0	0	0	0	0.0
18:45 - 19:00	46	0	0	46	46.0	54	1	1	56	58.3	0	0	0	0	0.0
Hourly Total	226	0	0	226	226.0	302	6	3	311	321.8	2	0	0	2	2.0

TOTAL	637	8	2	647	659.4	1116	26	11	1153	1197.8	3	0	0	3	3.0
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PCU Factors:	
LIGHT	1.0
HEAVY	2.3
BUS	2.0

Harpenden, Thursday 27th June 2024

Junction: 2
Approach: B652 Station Road



TIME	Left to B653 Lower Luton Road (North)					Right to B653 Lower Luton Road (South)				
	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs
07:00 - 07:15	13	1	0	14	15.3	25	0	0	25	25.0
07:15 - 07:30	18	0	0	18	18.0	41	0	1	42	43.0
07:30 - 07:45	21	1	0	22	23.3	72	2	0	74	76.6
07:45 - 08:00	23	0	0	23	23.0	68	2	1	71	74.6
Hourly Total	75	2	0	77	79.6	206	4	2	212	219.2
08:00 - 08:15	26	0	0	26	26.0	81	2	2	85	89.6
08:15 - 08:30	33	1	1	35	37.3	86	0	0	86	86.0
08:30 - 08:45	50	1	0	51	52.3	70	0	0	70	70.0
08:45 - 09:00	38	0	0	38	38.0	87	0	1	88	89.0
Hourly Total	147	2	1	150	153.6	324	2	3	329	334.6
09:00 - 09:15	32	0	0	32	32.0	41	1	1	43	45.3
09:15 - 09:30	28	0	0	28	28.0	47	6	0	53	60.8
09:30 - 09:45	28	2	0	30	32.6	51	1	0	52	53.3
09:45 - 10:00	18	3	0	21	24.9	46	0	0	46	46.0
Hourly Total	106	5	0	111	117.5	185	8	1	194	205.4

PCU Factors:	
LIGHT	1.0
HEAVY	2.3
BUS	2.0

TOTAL	328	9	1	338	350.7	715	14	6	735	759.2
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16:00 - 16:15	43	0	0	43	43.0	62	1	1	64	66.3
16:15 - 16:30	38	0	0	38	38.0	67	0	0	67	67.0
16:30 - 16:45	47	0	0	47	47.0	56	0	0	56	56.0
16:45 - 17:00	50	1	0	51	52.3	54	0	0	54	54.0
Hourly Total	178	1	0	179	180.3	239	1	1	241	243.3
17:00 - 17:15	42	0	0	42	42.0	71	0	0	71	71.0
17:15 - 17:30	49	1	0	50	51.3	82	0	0	82	82.0
17:30 - 17:45	50	0	0	50	50.0	69	0	0	69	69.0
17:45 - 18:00	43	0	0	43	43.0	52	0	0	52	52.0
Hourly Total	184	1	0	185	186.3	274	0	0	274	274.0
18:00 - 18:15	42	0	0	42	42.0	60	0	0	60	60.0
18:15 - 18:30	42	0	0	42	42.0	69	0	0	69	69.0
18:30 - 18:45	38	0	0	38	38.0	67	2	1	70	73.6
18:45 - 19:00	31	0	0	31	31.0	62	0	0	62	62.0
Hourly Total	153	0	0	153	153.0	258	2	1	261	264.6

TOTAL	515	2	0	517	519.6	771	3	2	776	781.9
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Harpenden, Thursday 27th June 2024

Junction: 3
Approach: Common Lane



TIME	To B653 Lower Luton Road (East)					To Crabtree Lane					To B653 Lower Luton Road (West)					To Access Road				
	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs
07:00 - 07:15	2	0	0	2	2.0	0	0	0	0	0.0	2	0	0	2	2.0	1	0	0	1	1.0
07:15 - 07:30	6	0	0	6	6.0	0	0	0	0	0.0	8	0	0	8	8.0	1	0	0	1	1.0
07:30 - 07:45	12	1	0	13	14.3	0	0	0	0	0.0	4	0	0	4	4.0	0	0	0	0	0.0
07:45 - 08:00	14	2	1	17	20.6	0	0	0	0	0.0	13	0	0	13	13.0	2	0	0	2	2.0
Hourly Total	34	3	1	38	42.9	0	0	0	0	0.0	27	0	0	27	27.0	4	0	0	4	4.0
08:00 - 08:15	15	0	0	15	15.0	0	0	0	0	0.0	23	0	0	23	23.0	1	0	0	1	1.0
08:15 - 08:30	24	0	0	24	24.0	0	0	0	0	0.0	20	0	0	20	20.0	0	0	0	0	0.0
08:30 - 08:45	18	0	0	18	18.0	0	0	0	0	0.0	10	0	0	10	10.0	2	0	0	2	2.0
08:45 - 09:00	20	0	0	20	20.0	0	0	0	0	0.0	14	1	0	15	16.3	0	0	0	0	0.0
Hourly Total	77	0	0	77	77.0	0	0	0	0	0.0	67	1	0	68	69.3	3	0	0	3	3.0
09:00 - 09:15	3	0	0	3	3.0	0	0	0	0	0.0	13	0	0	13	13.0	1	0	0	1	1.0
09:15 - 09:30	5	0	1	6	7.0	0	0	0	0	0.0	8	1	1	10	12.3	2	0	0	2	2.0
09:30 - 09:45	5	0	0	5	5.0	0	0	0	0	0.0	9	0	0	9	9.0	1	0	0	1	1.0
09:45 - 10:00	1	0	0	1	1.0	0	0	0	0	0.0	3	0	0	3	3.0	1	0	0	1	1.0
Hourly Total	14	0	1	15	16.0	0	0	0	0	0.0	33	1	1	35	37.3	5	0	0	5	5.0

TOTAL	125	3	2	130	135.9	0	0	0	0	0.0	127	2	1	130	133.6	12	0	0	12	12.0
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16:00 - 16:15	8	0	0	8	8.0	0	0	0	0	0.0	6	0	0	6	6.0	1	0	0	1	1.0
16:15 - 16:30	10	0	0	10	10.0	0	0	0	0	0.0	13	0	1	14	15.0	2	0	0	2	2.0
16:30 - 16:45	5	0	0	5	5.0	0	0	0	0	0.0	9	0	0	9	9.0	0	0	0	0	0.0
16:45 - 17:00	3	1	1	5	7.3	0	0	0	0	0.0	4	0	0	4	4.0	2	0	0	2	2.0
Hourly Total	26	1	1	28	30.3	0	0	0	0	0.0	32	0	1	33	34.0	5	0	0	5	5.0
17:00 - 17:15	4	0	0	4	4.0	0	0	0	0	0.0	5	0	0	5	5.0	0	0	0	0	0.0
17:15 - 17:30	8	0	0	8	8.0	0	0	0	0	0.0	4	0	0	4	4.0	2	0	0	2	2.0
17:30 - 17:45	8	0	1	9	10.0	0	0	0	0	0.0	12	0	0	12	12.0	1	0	0	1	1.0
17:45 - 18:00	5	0	0	5	5.0	0	0	0	0	0.0	9	0	0	9	9.0	1	0	0	1	1.0
Hourly Total	25	0	1	26	27.0	0	0	0	0	0.0	30	0	0	30	30.0	4	0	0	4	4.0
18:00 - 18:15	3	0	0	3	3.0	0	0	0	0	0.0	12	0	0	12	12.0	0	0	0	0	0.0
18:15 - 18:30	4	0	0	4	4.0	0	0	0	0	0.0	10	0	0	10	10.0	2	0	0	2	2.0
18:30 - 18:45	11	0	1	12	13.0	0	0	0	0	0.0	23	0	0	23	23.0	0	0	0	0	0.0
18:45 - 19:00	8	0	0	8	8.0	0	0	0	0	0.0	10	0	0	10	10.0	1	0	0	1	1.0
Hourly Total	26	0	1	27	28.0	0	0	0	0	0.0	55	0	0	55	55.0	3	0	0	3	3.0

TOTAL	77	1	3	81	85.3	0	0	0	0	0.0	117	0	1	118	119.0	12	0	0	12	12.0
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PCU Factors:	
LIGHT	1.0
HEAVY	2.3
BUS	2.0

Harpenden, Thursday 27th June 2024



Junction: 3

Approach: B653 Lower Luton Road East

TIME	To Crabtree Lane					To B653 Lower Luton Road (West)					To Access Road					To Common Lane				
	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs
07:00 - 07:15	0	0	0	0	0.0	85	3	1	89	93.9	0	0	0	0	0.0	1	0	0	1	1.0
07:15 - 07:30	0	0	0	0	0.0	115	5	0	120	126.5	0	0	0	0	0.0	0	0	0	0	0.0
07:30 - 07:45	0	0	0	0	0.0	136	4	1	141	147.2	0	0	0	0	0.0	6	1	0	7	8.3
07:45 - 08:00	0	0	0	0	0.0	141	7	1	149	159.1	0	0	0	0	0.0	7	0	0	7	7.0
Hourly Total	0	0	0	0	0.0	477	19	3	499	526.7	0	0	0	0	0.0	14	1	0	15	16.3
08:00 - 08:15	0	0	0	0	0.0	146	10	2	158	173.0	0	0	0	0	0.0	7	0	0	7	7.0
08:15 - 08:30	2	0	0	2	2.0	155	5	5	165	176.5	0	0	0	0	0.0	14	0	0	14	14.0
08:30 - 08:45	0	0	0	0	0.0	173	6	0	179	186.8	0	0	0	0	0.0	12	0	0	12	12.0
08:45 - 09:00	0	1	0	1	2.3	126	1	1	128	130.3	0	0	0	0	0.0	10	0	0	10	10.0
Hourly Total	2	1	0	3	4.3	600	22	8	630	666.6	0	0	0	0	0.0	43	0	0	43	43.0
09:00 - 09:15	0	0	0	0	0.0	119	6	0	125	132.8	0	0	0	0	0.0	3	0	1	4	5.0
09:15 - 09:30	0	0	0	0	0.0	105	3	0	108	111.9	0	0	0	0	0.0	7	0	0	7	7.0
09:30 - 09:45	0	0	0	0	0.0	107	4	1	112	118.2	0	0	0	0	0.0	3	0	0	3	3.0
09:45 - 10:00	0	0	0	0	0.0	93	1	0	94	95.3	0	0	0	0	0.0	1	0	0	1	1.0
Hourly Total	0	0	0	0	0.0	424	14	1	439	458.2	0	0	0	0	0.0	14	0	1	15	16.0

TOTAL	2	1	0	3	4.3	1501	55	12	1568	1651.5	0	0	0	0	0.0	71	1	1	73	75.3
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16:00 - 16:15	0	0	0	0	0.0	146	5	0	151	157.5	0	0	0	0	0.0	9	0	0	9	9.0
16:15 - 16:30	0	0	0	0	0.0	150	3	2	155	160.9	0	0	0	0	0.0	4	0	0	4	4.0
16:30 - 16:45	1	0	0	1	1.0	129	0	0	129	129.0	0	0	0	0	0.0	8	0	0	8	8.0
16:45 - 17:00	0	0	0	0	0.0	134	4	0	138	143.2	0	0	0	0	0.0	9	0	1	10	11.0
Hourly Total	1	0	0	1	1.0	559	12	2	573	590.6	0	0	0	0	0.0	30	0	1	31	32.0
17:00 - 17:15	0	0	0	0	0.0	148	3	2	153	158.9	0	0	0	0	0.0	3	1	0	4	5.3
17:15 - 17:30	0	0	0	0	0.0	123	4	0	127	132.2	0	0	0	0	0.0	19	0	0	19	19.0
17:30 - 17:45	1	0	0	1	1.0	152	5	1	158	165.5	0	0	0	0	0.0	13	0	0	13	13.0
17:45 - 18:00	1	0	0	1	1.0	145	3	3	151	157.9	0	0	0	0	0.0	7	0	1	8	9.0
Hourly Total	2	0	0	2	2.0	568	15	6	589	614.5	0	0	0	0	0.0	42	1	1	44	46.3
18:00 - 18:15	0	0	0	0	0.0	149	2	0	151	153.6	0	0	0	0	0.0	9	0	0	9	9.0
18:15 - 18:30	0	0	0	0	0.0	118	3	1	122	126.9	0	0	0	0	0.0	17	0	0	17	17.0
18:30 - 18:45	0	0	0	0	0.0	111	1	1	113	115.3	0	0	0	0	0.0	11	0	0	11	11.0
18:45 - 19:00	0	0	0	0	0.0	92	1	0	93	94.3	0	0	0	0	0.0	4	0	1	5	6.0
Hourly Total	0	0	0	0	0.0	470	7	2	479	490.1	0	0	0	0	0.0	41	0	1	42	43.0

TOTAL	3	0	0	3	3.0	1597	34	10	1641	1695.2	0	0	0	0	0.0	113	1	3	117	121.3
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PCU Factors:	
LIGHT	1.0
HEAVY	2.3
BUS	2.0

Harpenden, Thursday 27th June 2024

Junction: 3
Approach: Crabtree Lane



TIME	To B653 Lower Luton Road (West)					To Access Road					To Common Lane					To B653 Lower Luton Road (East)				
	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs
07:00 - 07:15	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
07:15 - 07:30	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
07:30 - 07:45	0	1	0	1	2.3	0	0	0	0	0.0	0	0	0	0	0.0	2	0	0	2	2.0
07:45 - 08:00	1	0	0	1	1.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
Hourly Total	1	1	0	2	3.3	0	0	0	0	0.0	0	0	0	0	0.0	2	0	0	2	2.0
08:00 - 08:15	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
08:15 - 08:30	2	0	0	2	2.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
08:30 - 08:45	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
08:45 - 09:00	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	1	0	0	1	1.0
Hourly Total	2	0	0	2	2.0	0	0	0	0	0.0	0	0	0	0	0.0	1	0	0	1	1.0
09:00 - 09:15	2	0	0	2	2.0	0	0	0	0	0.0	0	1	0	1	2.3	0	0	0	0	0.0
09:15 - 09:30	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
09:30 - 09:45	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
09:45 - 10:00	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	1	0	0	1	1.0
Hourly Total	2	0	0	2	2.0	0	0	0	0	0.0	0	1	0	1	2.3	1	0	0	1	1.0

TOTAL	5	1	0	6	7.3	0	0	0	0	0.0	0	1	0	1	2.3	4	0	0	4	4.0
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16:00 - 16:15	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
16:15 - 16:30	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
16:30 - 16:45	1	0	0	1	1.0	0	0	0	0	0.0	0	0	0	0	0.0	1	0	0	1	1.0
16:45 - 17:00	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
Hourly Total	1	0	0	1	1.0	0	0	0	0	0.0	0	0	0	0	0.0	1	0	0	1	1.0
17:00 - 17:15	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
17:15 - 17:30	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
17:30 - 17:45	1	0	0	1	1.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
17:45 - 18:00	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	1	0	0	1	1.0
Hourly Total	1	0	0	1	1.0	0	0	0	0	0.0	0	0	0	0	0.0	1	0	0	1	1.0
18:00 - 18:15	1	0	0	1	1.0	0	0	0	0	0.0	0	0	0	0	0.0	1	0	0	1	1.0
18:15 - 18:30	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
18:30 - 18:45	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
18:45 - 19:00	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
Hourly Total	1	0	0	1	1.0	0	0	0	0	0.0	0	0	0	0	0.0	1	0	0	1	1.0

TOTAL	3	0	0	3	3.0	0	0	0	0	0.0	0	0	0	0	0.0	3	0	0	3	3.0
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PCU Factors:	
LIGHT	1.0
HEAVY	2.3
BUS	2.0

Harpenden, Thursday 27th June 2024

Junction: 3
Approach: B653 Lower Luton Road West



TIME	To Access Road					To Common Lane					To B653 Lower Luton Road (East)					To Crabtree Lane				
	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs
07:00 - 07:15	1	0	0	1	1.0	5	0	0	5	5.0	134	3	0	137	140.9	0	0	0	0	0.0
07:15 - 07:30	3	0	0	3	3.0	4	0	0	4	4.0	163	3	0	166	169.9	0	0	0	0	0.0
07:30 - 07:45	1	0	0	1	1.0	2	0	0	2	2.0	199	2	2	203	207.6	0	1	0	1	2.3
07:45 - 08:00	0	0	0	0	0.0	8	1	0	9	10.3	179	4	2	185	192.2	0	0	0	0	0.0
Hourly Total	5	0	0	5	5.0	19	1	0	20	21.3	675	12	4	691	710.6	0	1	0	1	2.3
08:00 - 08:15	1	0	0	1	1.0	15	0	0	15	15.0	181	4	3	188	196.2	0	0	0	0	0.0
08:15 - 08:30	2	0	0	2	2.0	14	0	0	14	14.0	140	3	0	143	146.9	0	0	0	0	0.0
08:30 - 08:45	1	0	0	1	1.0	8	0	0	8	8.0	146	6	0	152	159.8	0	0	0	0	0.0
08:45 - 09:00	2	0	0	2	2.0	5	1	0	6	7.3	144	4	1	149	155.2	0	1	0	1	2.3
Hourly Total	6	0	0	6	6.0	42	1	0	43	44.3	611	17	4	632	658.1	0	1	0	1	2.3
09:00 - 09:15	0	0	0	0	0.0	0	0	0	0	0.0	125	2	1	128	131.6	1	0	0	1	1.0
09:15 - 09:30	1	0	0	1	1.0	8	1	0	9	10.3	116	5	0	121	127.5	0	0	0	0	0.0
09:30 - 09:45	2	0	0	2	2.0	4	0	0	4	4.0	101	6	0	107	114.8	1	0	0	1	1.0
09:45 - 10:00	0	0	0	0	0.0	2	1	0	3	4.3	90	2	0	92	94.6	0	0	0	0	0.0
Hourly Total	3	0	0	3	3.0	14	2	0	16	18.6	432	15	1	448	468.5	2	0	0	2	2.0

TOTAL	14	0	0	14	14.0	75	4	0	79	84.2	1718	44	9	1771	1837.2	2	2	0	4	6.6
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16:00 - 16:15	1	0	0	1	1.0	5	0	0	5	5.0	116	2	0	118	120.6	0	0	0	0	0.0
16:15 - 16:30	1	0	0	1	1.0	9	0	0	9	9.0	120	1	1	122	124.3	0	0	0	0	0.0
16:30 - 16:45	0	0	0	0	0.0	12	0	0	12	12.0	109	0	1	110	111.0	1	0	0	1	1.0
16:45 - 17:00	1	0	0	1	1.0	9	0	0	9	9.0	119	4	0	123	128.2	0	0	0	0	0.0
Hourly Total	3	0	0	3	3.0	35	0	0	35	35.0	464	7	2	473	484.1	1	0	0	1	1.0
17:00 - 17:15	0	0	0	0	0.0	9	0	0	9	9.0	114	2	0	116	118.6	1	0	0	1	1.0
17:15 - 17:30	1	0	0	1	1.0	18	0	0	18	18.0	134	0	1	135	136.0	0	0	0	0	0.0
17:30 - 17:45	0	0	0	0	0.0	6	0	0	6	6.0	128	0	1	129	130.0	0	0	0	0	0.0
17:45 - 18:00	0	0	0	0	0.0	7	0	0	7	7.0	93	0	0	93	93.0	0	0	0	0	0.0
Hourly Total	1	0	0	1	1.0	40	0	0	40	40.0	469	2	2	473	477.6	1	0	0	1	1.0
18:00 - 18:15	1	0	0	1	1.0	10	0	0	10	10.0	104	0	0	104	104.0	0	0	0	0	0.0
18:15 - 18:30	2	0	0	2	2.0	14	0	0	14	14.0	96	1	1	98	100.3	0	0	0	0	0.0
18:30 - 18:45	0	0	0	0	0.0	8	0	0	8	8.0	106	4	1	111	117.2	1	0	0	1	1.0
18:45 - 19:00	1	0	0	1	1.0	5	0	0	5	5.0	103	3	0	106	109.9	0	0	0	0	0.0
Hourly Total	4	0	0	4	4.0	37	0	0	37	37.0	409	8	2	419	431.4	1	0	0	1	1.0

TOTAL	8	0	0	8	8.0	112	0	0	112	112.0	1342	17	6	1365	1393.1	3	0	0	3	3.0
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PCU Factors:	
LIGHT	1.0
HEAVY	2.3
BUS	2.0

Harpenden, Thursday 27th June 2024

Junction: 3
Approach: Access Road



TIME	To Common Lane					To B653 Lower Luton Road (East)					To Crabtree Lane					To B653 Lower Luton Road (West)				
	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs
07:00 - 07:15	1	0	0	1	1.0	0	0	0	0	0.0	0	0	0	0	0.0	1	0	0	1	1.0
07:15 - 07:30	3	0	0	3	3.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
07:30 - 07:45	1	0	0	1	1.0	0	0	0	0	0.0	0	0	0	0	0.0	2	0	0	2	2.0
07:45 - 08:00	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	2	0	0	2	2.0
Hourly Total	5	0	0	5	5.0	0	0	0	0	0.0	0	0	0	0	0.0	5	0	0	5	5.0
08:00 - 08:15	1	0	0	1	1.0	0	0	0	0	0.0	0	0	0	0	0.0	1	0	0	1	1.0
08:15 - 08:30	2	0	0	2	2.0	0	0	0	0	0.0	0	0	0	0	0.0	3	0	0	3	3.0
08:30 - 08:45	1	0	0	1	1.0	0	0	0	0	0.0	0	0	0	0	0.0	2	0	0	2	2.0
08:45 - 09:00	2	0	0	2	2.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
Hourly Total	6	0	0	6	6.0	0	0	0	0	0.0	0	0	0	0	0.0	6	0	0	6	6.0
09:00 - 09:15	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	1	0	0	1	1.0
09:15 - 09:30	1	0	0	1	1.0	0	0	0	0	0.0	0	0	0	0	0.0	2	0	0	2	2.0
09:30 - 09:45	2	0	0	2	2.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
09:45 - 10:00	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	2	0	0	2	2.0
Hourly Total	3	0	0	3	3.0	0	0	0	0	0.0	0	0	0	0	0.0	5	0	0	5	5.0
TOTAL	14	0	0	14	14.0	0	0	0	0	0.0	0	0	0	0	0.0	16	0	0	16	16.0
16:00 - 16:15	1	0	0	1	1.0	0	0	0	0	0.0	0	0	0	0	0.0	2	0	0	2	2.0
16:15 - 16:30	1	0	0	1	1.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
16:30 - 16:45	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	1	0	0	1	1.0
16:45 - 17:00	1	0	0	1	1.0	0	0	0	0	0.0	0	0	0	0	0.0	2	0	0	2	2.0
Hourly Total	3	0	0	3	3.0	0	0	0	0	0.0	0	0	0	0	0.0	5	0	0	5	5.0
17:00 - 17:15	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0
17:15 - 17:30	1	0	0	1	1.0	0	0	0	0	0.0	0	0	0	0	0.0	1	0	0	1	1.0
17:30 - 17:45	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	2	0	0	2	2.0
17:45 - 18:00	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	2	0	0	2	2.0
Hourly Total	1	0	0	1	1.0	0	0	0	0	0.0	0	0	0	0	0.0	5	0	0	5	5.0
18:00 - 18:15	1	0	0	1	1.0	0	0	0	0	0.0	0	0	0	0	0.0	3	0	0	3	3.0
18:15 - 18:30	2	0	0	2	2.0	0	0	0	0	0.0	0	0	0	0	0.0	1	0	0	1	1.0
18:30 - 18:45	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	1	0	0	1	1.0
18:45 - 19:00	1	0	0	1	1.0	0	0	0	0	0.0	0	0	0	0	0.0	2	0	0	2	2.0
Hourly Total	4	0	0	4	4.0	0	0	0	0	0.0	0	0	0	0	0.0	7	0	0	7	7.0
TOTAL	8	0	0	8	8.0	0	0	0	0	0.0	0	0	0	0	0.0	17	0	0	17	17.0

PCU Factors:	
LIGHT	1.0
HEAVY	2.3
BUS	2.0

Harpenden, Thursday 27th June 2024

Junction: 4
Approach: B651 Lamer Lane



TIME	Left to B653 Codicote Road					Ahead to B651 Station Road					Right to B653 Lower Luton Road				
	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs
07:00 - 07:15	22	0	0	22	22.0	7	0	0	7	7.0	7	0	0	7	7.0
07:15 - 07:30	25	1	0	26	27.3	11	0	1	12	13.0	5	0	0	5	5.0
07:30 - 07:45	43	2	0	45	47.6	14	1	1	16	18.3	5	0	0	5	5.0
07:45 - 08:00	33	0	0	33	33.0	26	0	0	26	26.0	14	0	1	15	16.0
Hourly Total	123	3	0	126	129.9	58	1	2	61	64.3	31	0	1	32	33.0
08:00 - 08:15	45	0	0	45	45.0	13	0	0	13	13.0	11	0	1	12	13.0
08:15 - 08:30	56	1	0	57	58.3	15	0	0	15	15.0	3	0	0	3	3.0
08:30 - 08:45	30	1	0	31	32.3	18	0	0	18	18.0	6	1	0	7	8.3
08:45 - 09:00	27	0	0	27	27.0	13	1	0	14	15.3	8	0	0	8	8.0
Hourly Total	158	2	0	160	162.6	59	1	0	60	61.3	28	1	1	30	32.3
09:00 - 09:15	24	2	0	26	28.6	14	0	0	14	14.0	9	0	1	10	11.0
09:15 - 09:30	23	0	0	23	23.0	12	0	0	12	12.0	7	0	0	7	7.0
09:30 - 09:45	21	1	0	22	23.3	4	1	0	5	6.3	9	0	0	9	9.0
09:45 - 10:00	18	2	0	20	22.6	12	0	0	12	12.0	7	0	0	7	7.0
Hourly Total	86	5	0	91	97.5	42	1	0	43	44.3	32	0	1	33	34.0

PCU Factors:	
LIGHT	1.0
HEAVY	2.3
BUS	2.0

TOTAL	367	10	0	377	390.0	159	3	2	164	169.9	91	1	3	95	99.3
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16:00 - 16:15	12	1	0	13	14.3	17	0	0	17	17.0	8	0	0	8	8.0
16:15 - 16:30	14	1	0	15	16.3	19	1	0	20	21.3	11	0	0	11	11.0
16:30 - 16:45	15	0	0	15	15.0	27	0	0	27	27.0	10	0	0	10	10.0
16:45 - 17:00	23	0	0	23	23.0	19	0	1	20	21.0	10	1	0	11	12.3
Hourly Total	64	2	0	66	68.6	82	1	1	84	86.3	39	1	0	40	41.3
17:00 - 17:15	24	0	0	24	24.0	18	0	0	18	18.0	3	3	0	6	9.9
17:15 - 17:30	19	1	0	20	21.3	20	2	0	22	24.6	2	0	0	2	2.0
17:30 - 17:45	13	0	0	13	13.0	10	1	0	11	12.3	3	0	0	3	3.0
17:45 - 18:00	19	0	0	19	19.0	27	0	0	27	27.0	6	0	0	6	6.0
Hourly Total	75	1	0	76	77.3	75	3	0	78	81.9	14	3	0	17	20.9
18:00 - 18:15	16	0	0	16	16.0	20	0	0	20	20.0	3	0	0	3	3.0
18:15 - 18:30	8	0	0	8	8.0	17	0	0	17	17.0	6	0	0	6	6.0
18:30 - 18:45	13	0	0	13	13.0	13	0	0	13	13.0	7	0	0	7	7.0
18:45 - 19:00	9	0	0	9	9.0	17	0	0	17	17.0	6	1	0	7	8.3
Hourly Total	46	0	0	46	46.0	67	0	0	67	67.0	22	1	0	23	24.3

TOTAL	185	3	0	188	191.9	224	4	1	229	235.2	75	5	0	80	86.5
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Harpenden, Thursday 27th June 2024



Junction: 4
Approach: B653 Codicote Road

TIME	Left to B651 Station Road					Ahead to B653 Lower Luton Road					Right to B651 Lamer Lane					U-Turn				
	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs
07:00 - 07:15	14	0	0	14	14.0	68	4	1	73	79.2	4	1	0	5	6.3	2	0	0	2	2.0
07:15 - 07:30	28	2	0	30	32.6	110	8	0	118	128.4	11	1	0	12	13.3	2	0	0	2	2.0
07:30 - 07:45	39	1	0	40	41.3	120	6	1	127	135.8	12	0	1	13	14.0	3	0	0	3	3.0
07:45 - 08:00	44	3	0	47	50.9	125	8	1	134	145.4	10	1	0	11	12.3	2	0	0	2	2.0
Hourly Total	125	6	0	131	138.8	423	26	3	452	488.8	37	3	1	41	45.9	9	0	0	9	9.0
08:00 - 08:15	39	1	0	40	41.3	134	6	3	143	153.8	2	0	0	2	2.0	2	0	0	2	2.0
08:15 - 08:30	30	2	0	32	34.6	135	6	1	142	150.8	12	1	0	13	14.3	5	1	0	6	7.3
08:30 - 08:45	33	0	0	33	33.0	133	2	0	135	137.6	18	2	0	20	22.6	5	0	0	5	5.0
08:45 - 09:00	36	0	0	36	36.0	79	2	1	82	85.6	27	1	0	28	29.3	0	0	0	0	0.0
Hourly Total	138	3	0	141	144.9	481	16	5	502	527.8	59	4	0	63	68.2	12	1	0	13	14.3
09:00 - 09:15	24	0	0	24	24.0	104	4	1	109	115.2	11	3	0	14	17.9	4	0	0	4	4.0
09:15 - 09:30	21	1	0	22	23.3	80	3	0	83	86.9	15	1	1	17	19.3	3	0	0	3	3.0
09:30 - 09:45	21	2	0	23	25.6	77	3	1	81	85.9	13	4	0	17	22.2	1	0	0	1	1.0
09:45 - 10:00	23	3	0	26	29.9	79	4	0	83	88.2	13	3	0	16	19.9	1	0	0	1	1.0
Hourly Total	89	6	0	95	102.8	340	14	2	356	376.2	52	11	1	64	79.3	9	0	0	9	9.0

PCU Factors:	
LIGHT	1.0
HEAVY	2.3
BUS	2.0

TOTAL	352	15	0	367	386.5	1244	56	10	1310	1392.8	148	18	2	168	193.4	30	1	0	31	32.3
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16:00 - 16:15	26	0	0	26	26.0	120	3	1	124	128.9	12	1	0	13	14.3	0	0	0	0	0.0
16:15 - 16:30	20	0	0	20	20.0	141	2	0	143	145.6	26	0	0	26	26.0	1	0	0	1	1.0
16:30 - 16:45	37	0	0	37	37.0	112	1	0	113	114.3	20	1	0	21	22.3	1	0	0	1	1.0
16:45 - 17:00	23	0	0	23	23.0	111	0	2	113	115.0	18	0	0	18	18.0	0	0	0	0	0.0
Hourly Total	106	0	0	106	106.0	484	6	3	493	503.8	76	2	0	78	80.6	2	0	0	2	2.0
17:00 - 17:15	24	0	0	24	24.0	129	4	0	133	138.2	12	0	0	12	12.0	1	1	0	2	3.3
17:15 - 17:30	18	0	0	18	18.0	142	1	0	143	144.3	15	0	0	15	15.0	1	0	0	1	1.0
17:30 - 17:45	17	0	0	17	17.0	128	2	2	132	136.6	24	1	0	25	26.3	1	0	0	1	1.0
17:45 - 18:00	9	0	0	9	9.0	88	2	0	90	92.6	32	2	0	34	36.6	0	0	0	0	0.0
Hourly Total	68	0	0	68	68.0	487	9	2	498	511.7	83	3	0	86	89.9	3	1	0	4	5.3
18:00 - 18:15	10	0	0	10	10.0	76	1	0	77	78.3	20	2	0	22	24.6	1	0	0	1	1.0
18:15 - 18:30	9	0	0	9	9.0	90	3	1	94	98.9	27	0	0	27	27.0	0	0	0	0	0.0
18:30 - 18:45	17	0	0	17	17.0	88	0	1	89	90.0	10	1	0	11	12.3	1	0	0	1	1.0
18:45 - 19:00	7	0	0	7	7.0	61	0	0	61	61.0	8	0	0	8	8.0	0	0	0	0	0.0
Hourly Total	43	0	0	43	43.0	315	4	2	321	328.2	65	3	0	68	71.9	2	0	0	2	2.0

TOTAL	217	0	0	217	217.0	1286	19	7	1312	1343.7	224	8	0	232	242.4	7	1	0	8	9.3
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Harpenden, Thursday 27th June 2024



Junction: 4

Approach: B651 Station Road

TIME	Left to B653 Lower Luton Road					Ahead to B651 Lamer Lane					Right to B653 Codicote Road					U-Turn				
	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs
07:00 - 07:15	8	1	0	9	10.3	5	0	0	5	5.0	10	1	0	11	12.3	0	0	0	0	0.0
07:15 - 07:30	26	2	0	28	30.6	3	0	0	3	3.0	23	0	0	23	23.0	0	0	0	0	0.0
07:30 - 07:45	20	1	0	21	22.3	6	0	0	6	6.0	37	0	2	39	41.0	1	1	0	2	3.3
07:45 - 08:00	32	0	0	32	32.0	2	0	0	2	2.0	30	2	2	34	38.6	0	0	0	0	0.0
Hourly Total	86	4	0	90	95.2	16	0	0	16	16.0	100	3	4	107	114.9	1	1	0	2	3.3
08:00 - 08:15	30	6	0	36	43.8	3	0	0	3	3.0	32	0	1	33	34.0	0	0	0	0	0.0
08:15 - 08:30	25	0	0	25	25.0	1	0	0	1	1.0	28	0	0	28	28.0	0	0	0	0	0.0
08:30 - 08:45	22	1	0	23	24.3	3	0	0	3	3.0	21	0	0	21	21.0	0	0	0	0	0.0
08:45 - 09:00	27	0	0	27	27.0	6	0	0	6	6.0	34	1	0	35	36.3	1	0	0	1	1.0
Hourly Total	104	7	0	111	120.1	13	0	0	13	13.0	115	1	1	117	119.3	1	0	0	1	1.0
09:00 - 09:15	25	0	0	25	25.0	5	0	0	5	5.0	23	3	0	26	29.9	0	0	0	0	0.0
09:15 - 09:30	15	0	0	15	15.0	2	0	0	2	2.0	17	0	0	17	17.0	1	0	0	1	1.0
09:30 - 09:45	7	1	0	8	9.3	2	0	0	2	2.0	12	2	0	14	16.6	0	0	0	0	0.0
09:45 - 10:00	11	0	0	11	11.0	2	0	0	2	2.0	26	2	0	28	30.6	0	0	0	0	0.0
Hourly Total	58	1	0	59	60.3	11	0	0	11	11.0	78	7	0	85	94.1	1	0	0	1	1.0

PCU Factors:	
LIGHT	1.0
HEAVY	2.3
BUS	2.0

TOTAL	248	12	0	260	275.6	40	0	0	40	40.0	293	11	5	309	328.3	3	1	0	4	5.3
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16:00 - 16:15	10	0	1	11	12.0	21	0	1	22	23.0	28	2	0	30	32.6	2	0	0	2	2.0
16:15 - 16:30	16	0	0	16	16.0	32	0	0	32	32.0	28	0	0	28	28.0	4	0	0	4	4.0
16:30 - 16:45	22	3	1	26	30.9	24	0	0	24	24.0	29	0	0	29	29.0	2	0	0	2	2.0
16:45 - 17:00	22	1	0	23	24.3	23	0	0	23	23.0	19	0	0	19	19.0	4	0	0	4	4.0
Hourly Total	70	4	2	76	83.2	100	0	1	101	102.0	104	2	0	106	108.6	12	0	0	12	12.0
17:00 - 17:15	37	0	0	37	37.0	22	0	0	22	22.0	20	0	0	20	20.0	1	0	0	1	1.0
17:15 - 17:30	29	1	0	30	31.3	18	1	0	19	20.3	20	0	0	20	20.0	1	0	0	1	1.0
17:30 - 17:45	25	0	1	26	27.0	28	0	1	29	30.0	13	1	0	14	15.3	1	0	0	1	1.0
17:45 - 18:00	24	1	0	25	26.3	21	0	0	21	21.0	13	0	0	13	13.0	1	0	0	1	1.0
Hourly Total	115	2	1	118	121.6	89	1	1	91	93.3	66	1	0	67	68.3	4	0	0	4	4.0
18:00 - 18:15	20	0	0	20	20.0	29	0	0	29	29.0	21	0	0	21	21.0	3	0	0	3	3.0
18:15 - 18:30	10	0	0	10	10.0	23	0	0	23	23.0	29	0	0	29	29.0	2	0	0	2	2.0
18:30 - 18:45	19	0	0	19	19.0	21	1	0	22	23.3	22	1	0	23	24.3	0	0	0	0	0.0
18:45 - 19:00	27	0	1	28	29.0	22	0	0	22	22.0	12	0	0	12	12.0	5	0	0	5	5.0
Hourly Total	76	0	1	77	78.0	95	1	0	96	97.3	84	1	0	85	86.3	10	0	0	10	10.0

TOTAL	261	6	4	271	282.8	284	2	2	288	292.6	254	4	0	258	263.2	26	0	0	26	26.0
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Harpenden, Thursday 27th June 2024

Junction: 4

Approach: B653 Lower Luton Road



TIME	Left to B651 Lamer Lane					Ahead to B653 Codicote Road					Right to B651 Station Road					U-Turn				
	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs
07:00 - 07:15	3	0	0	3	3.0	97	1	0	98	99.3	5	1	0	6	7.3	0	0	0	0	0.0
07:15 - 07:30	1	0	0	1	1.0	121	3	0	124	127.9	16	2	0	18	20.6	0	0	0	0	0.0
07:30 - 07:45	5	0	0	5	5.0	198	3	0	201	204.9	31	1	1	33	35.3	0	0	0	0	0.0
07:45 - 08:00	3	2	0	5	7.6	178	2	0	180	182.6	20	1	1	22	24.3	0	1	0	1	2.3
Hourly Total	12	2	0	14	16.6	594	9	0	603	614.7	72	5	2	79	87.5	0	1	0	1	2.3
08:00 - 08:15	5	1	0	6	7.3	155	3	3	161	167.9	22	0	1	23	24.0	0	0	0	0	0.0
08:15 - 08:30	6	1	0	7	8.3	127	3	2	132	137.9	24	0	1	25	26.0	0	0	0	0	0.0
08:30 - 08:45	7	0	0	7	7.0	104	5	0	109	115.5	19	0	0	19	19.0	0	0	0	0	0.0
08:45 - 09:00	11	0	0	11	11.0	101	3	1	105	109.9	28	0	0	28	28.0	0	0	0	0	0.0
Hourly Total	29	2	0	31	33.6	487	14	6	507	531.2	93	0	2	95	97.0	0	0	0	0	0.0
09:00 - 09:15	9	2	0	11	13.6	117	4	1	122	128.2	15	2	0	17	19.6	1	0	0	1	1.0
09:15 - 09:30	9	1	0	10	11.3	115	3	1	119	123.9	13	1	0	14	15.3	0	0	0	0	0.0
09:30 - 09:45	10	0	0	10	10.0	104	5	0	109	115.5	15	0	0	15	15.0	0	0	0	0	0.0
09:45 - 10:00	12	0	0	12	12.0	92	5	0	97	103.5	24	0	0	24	24.0	0	0	0	0	0.0
Hourly Total	40	3	0	43	46.9	428	17	2	447	471.1	67	3	0	70	73.9	1	0	0	1	1.0

TOTAL	81	7	0	88	97.1	1509	40	8	1557	1617.0	232	8	4	244	258.4	1	1	0	2	3.3
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16:00 - 16:15	12	0	1	13	14.0	91	3	0	94	97.9	14	0	1	15	16.0	0	0	0	0	0.0
16:15 - 16:30	16	2	0	18	20.6	111	2	0	113	115.6	21	0	0	21	21.0	0	0	0	0	0.0
16:30 - 16:45	19	0	1	20	21.0	105	1	0	106	107.3	24	1	0	25	26.3	0	0	0	0	0.0
16:45 - 17:00	12	2	0	14	16.6	102	1	2	105	108.3	24	1	1	26	28.3	0	0	0	0	0.0
Hourly Total	59	4	2	65	72.2	409	7	2	418	429.1	83	2	2	87	91.6	0	0	0	0	0.0
17:00 - 17:15	25	0	0	25	25.0	103	2	0	105	107.6	17	0	0	17	17.0	0	0	0	0	0.0
17:15 - 17:30	33	2	0	35	37.6	114	1	0	115	116.3	26	0	0	26	26.0	0	0	0	0	0.0
17:30 - 17:45	33	1	0	34	35.3	92	0	0	92	92.0	24	1	0	25	26.3	0	0	0	0	0.0
17:45 - 18:00	15	2	0	17	19.6	99	0	2	101	103.0	23	0	1	24	25.0	0	0	0	0	0.0
Hourly Total	106	5	0	111	117.5	408	3	2	413	418.9	90	1	1	92	94.3	0	0	0	0	0.0
18:00 - 18:15	9	0	0	9	9.0	84	0	0	84	84.0	18	0	0	18	18.0	0	0	0	0	0.0
18:15 - 18:30	4	0	0	4	4.0	102	0	0	102	102.0	13	0	0	13	13.0	0	0	0	0	0.0
18:30 - 18:45	5	2	0	7	9.6	65	2	1	68	71.6	12	0	0	12	12.0	0	0	0	0	0.0
18:45 - 19:00	7	0	1	8	9.0	77	0	0	77	77.0	18	0	1	19	20.0	0	0	0	0	0.0
Hourly Total	25	2	1	28	31.6	328	2	1	331	334.6	61	0	1	62	63.0	0	0	0	0	0.0

TOTAL	190	11	3	204	221.3	1145	12	5	1162	1182.6	234	3	4	241	248.9	0	0	0	0	0.0
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PCU Factors:	
LIGHT	1.0
HEAVY	2.3
BUS	2.0

Harpenden, Thursday 11th July 2024



Junction: 1
Approach: A1081 High Street

	Left to B652 Station Road					Ahead to A1081 St. Albans Road					Right to Station Road					U-Turn				
TIME	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs
07:00 - 07:15	44	0	0	44	44.0	107	8	2	117	129.4	1	0	0	1	1.0	1	0	0	1	1.0
07:15 - 07:30	35	1	0	36	37.3	127	4	1	132	138.2	7	0	0	7	7.0	1	0	0	1	1.0
07:30 - 07:45	59	2	0	61	63.6	125	7	2	134	145.1	1	0	0	1	1.0	1	0	0	1	1.0
07:45 - 08:00	48	1	1	50	52.3	108	3	0	111	114.9	2	1	0	3	4.3	0	0	0	0	0.0
Hourly Total	186	4	1	191	197.2	467	22	5	494	527.6	11	1	0	12	13.3	3	0	0	3	3.0
08:00 - 08:15	43	1	0	44	45.3	96	2	3	101	106.6	0	0	0	0	0.0	0	0	0	0	0.0
08:15 - 08:30	43	0	0	43	43.0	139	3	1	143	147.9	2	0	0	2	2.0	0	0	0	0	0.0
08:30 - 08:45	41	1	0	42	43.3	132	2	1	135	138.6	0	0	0	0	0.0	0	0	0	0	0.0
08:45 - 09:00	45	0	2	47	49.0	110	6	2	118	127.8	4	0	0	4	4.0	1	0	0	1	1.0
Hourly Total	172	2	2	176	180.6	477	13	7	497	520.9	6	0	0	6	6.0	1	0	0	1	1.0
09:00 - 09:15	38	1	1	40	42.3	127	5	1	133	140.5	1	0	0	1	1.0	0	0	0	0	0.0
09:15 - 09:30	49	1	0	50	51.3	103	6	1	110	118.8	6	0	0	6	6.0	0	0	0	0	0.0
09:30 - 09:45	35	1	0	36	37.3	110	5	3	118	127.5	2	0	0	2	2.0	0	0	0	0	0.0
09:45 - 10:00	52	0	0	52	52.0	96	5	0	101	107.5	3	0	0	3	3.0	0	0	0	0	0.0
Hourly Total	174	3	1	178	182.9	436	21	5	462	494.3	12	0	0	12	12.0	0	0	0	0	0.0
TOTAL	532	9	4	545	560.7	1380	56	17	1453	1542.8	29	1	0	30	31.3	4	0	0	4	4.0
16:00 - 16:15	42	0	3	45	48.0	135	1	2	138	141.3	4	0	0	4	4.0	2	0	0	2	2.0
16:15 - 16:30	57	0	0	57	57.0	120	2	1	123	126.6	6	0	0	6	6.0	2	0	0	2	2.0
16:30 - 16:45	42	0	0	42	42.0	118	1	1	120	122.3	7	0	0	7	7.0	1	0	0	1	1.0
16:45 - 17:00	48	0	0	48	48.0	96	1	2	99	102.3	4	0	0	4	4.0	4	0	0	4	4.0
Hourly Total	189	0	3	192	195.0	469	5	6	480	492.5	21	0	0	21	21.0	9	0	0	9	9.0
17:00 - 17:15	57	1	1	59	61.3	129	2	1	132	135.6	7	0	0	7	7.0	2	0	0	2	2.0
17:15 - 17:30	55	3	0	58	61.9	121	1	1	123	125.3	7	0	0	7	7.0	1	0	0	1	1.0
17:30 - 17:45	60	0	0	60	60.0	136	0	1	137	138.0	5	0	0	5	5.0	4	0	0	4	4.0
17:45 - 18:00	55	0	0	55	55.0	133	1	1	135	137.3	11	0	0	11	11.0	1	0	0	1	1.0
Hourly Total	227	4	1	232	238.2	519	4	4	527	536.2	30	0	0	30	30.0	8	0	0	8	8.0
18:00 - 18:15	53	0	0	53	53.0	109	1	2	112	115.3	6	0	0	6	6.0	2	0	0	2	2.0
18:15 - 18:30	63	1	0	64	65.3	128	0	3	131	134.0	3	0	0	3	3.0	1	0	0	1	1.0
18:30 - 18:45	58	0	1	59	60.0	115	1	0	116	117.3	4	0	0	4	4.0	0	0	0	0	0.0
18:45 - 19:00	44	1	1	46	48.3	122	0	0	122	122.0	3	0	0	3	3.0	0	0	0	0	0.0
Hourly Total	218	2	2	222	226.6	474	2	5	481	488.6	16	0	0	16	16.0	3	0	0	3	3.0
TOTAL	634	6	6	646	659.8	1462	11	15	1488	1517.3	67	0	0	67	67.0	20	0	0	20	20.0

PCU Factors:	
LIGHT	1.0
HEAVY	2.3
BUS	2.0

Harpenden, Thursday 11th July 2024



Junction: 1
Approach: B652 Station Road

TIME	Left to A1081 St. Albans Road					Ahead to Station Road					Right to A1081 High Street					U-Turn				
	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs
07:00 - 07:15	34	0	0	34	34.0	5	0	0	5	5.0	17	1	0	18	19.3	2	0	0	2	2.0
07:15 - 07:30	58	1	0	59	60.3	14	0	0	14	14.0	28	0	0	28	28.0	0	1	0	1	2.3
07:30 - 07:45	67	3	0	70	73.9	11	0	0	11	11.0	11	2	1	14	17.6	0	0	0	0	0.0
07:45 - 08:00	63	5	0	68	74.5	16	0	0	16	16.0	29	0	0	29	29.0	3	0	0	3	3.0
Hourly Total	222	9	0	231	242.7	46	0	0	46	46.0	85	3	1	89	93.9	5	1	0	6	7.3
08:00 - 08:15	56	2	0	58	60.6	12	0	0	12	12.0	25	1	1	27	29.3	2	0	0	2	2.0
08:15 - 08:30	48	0	0	48	48.0	21	0	1	22	23.0	15	0	1	16	17.0	1	0	0	1	1.0
08:30 - 08:45	68	0	0	68	68.0	14	0	0	14	14.0	26	1	0	27	28.3	2	0	0	2	2.0
08:45 - 09:00	59	0	1	60	61.0	31	0	0	31	31.0	22	0	0	22	22.0	2	0	0	2	2.0
Hourly Total	231	2	1	234	237.6	78	0	1	79	80.0	88	2	2	92	96.6	7	0	0	7	7.0
09:00 - 09:15	49	0	0	49	49.0	29	0	0	29	29.0	21	0	1	22	23.0	2	0	0	2	2.0
09:15 - 09:30	47	1	1	49	51.3	27	0	0	27	27.0	25	0	0	25	25.0	1	0	0	1	1.0
09:30 - 09:45	54	5	0	59	65.5	24	0	0	24	24.0	16	2	0	18	20.6	2	0	0	2	2.0
09:45 - 10:00	44	1	0	45	46.3	22	1	0	23	24.3	28	1	0	29	30.3	2	0	0	2	2.0
Hourly Total	194	7	1	202	212.1	102	1	0	103	104.3	90	3	1	94	98.9	7	0	0	7	7.0

PCU Factors:	
LIGHT	1.0
HEAVY	2.3
BUS	2.0

TOTAL	647	18	2	667	692.4	226	1	1	228	230.3	263	8	4	275	289.4	19	1	0	20	21.3
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16:00 - 16:15	57	1	0	58	59.3	15	0	0	15	15.0	18	1	0	19	20.3	1	0	0	1	1.0
16:15 - 16:30	58	0	1	59	60.0	12	0	0	12	12.0	14	0	0	14	14.0	2	0	0	2	2.0
16:30 - 16:45	53	1	0	54	55.3	25	0	0	25	25.0	15	0	0	15	15.0	2	0	0	2	2.0
16:45 - 17:00	40	0	0	40	40.0	26	0	0	26	26.0	25	0	0	25	25.0	3	0	0	3	3.0
Hourly Total	208	2	1	211	214.6	78	0	0	78	78.0	72	1	0	73	74.3	8	0	0	8	8.0
17:00 - 17:15	50	2	0	52	54.6	27	1	0	28	29.3	19	0	0	19	19.0	1	0	0	1	1.0
17:15 - 17:30	49	1	0	50	51.3	18	0	0	18	18.0	27	0	0	27	27.0	1	0	0	1	1.0
17:30 - 17:45	52	0	0	52	52.0	22	0	0	22	22.0	26	0	1	27	28.0	1	0	0	1	1.0
17:45 - 18:00	37	0	0	37	37.0	20	0	0	20	20.0	21	0	0	21	21.0	0	0	0	0	0.0
Hourly Total	188	3	0	191	194.9	87	1	0	88	89.3	93	0	1	94	95.0	3	0	0	3	3.0
18:00 - 18:15	57	0	0	57	57.0	17	0	0	17	17.0	28	0	0	28	28.0	1	0	0	1	1.0
18:15 - 18:30	42	0	1	43	44.0	26	0	0	26	26.0	24	0	0	24	24.0	0	0	0	0	0.0
18:30 - 18:45	41	1	0	42	43.3	13	0	0	13	13.0	31	0	0	31	31.0	0	0	0	0	0.0
18:45 - 19:00	40	2	0	42	44.6	33	0	0	33	33.0	33	0	0	33	33.0	0	0	0	0	0.0
Hourly Total	180	3	1	184	188.9	89	0	0	89	89.0	116	0	0	116	116.0	1	0	0	1	1.0

TOTAL	576	8	2	586	598.4	254	1	0	255	256.3	281	1	1	283	285.3	12	0	0	12	12.0
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Harpenden, Thursday 11th July 2024

Junction: 1
Approach: A1081 St. Albans Road



TIME	Left to Station Road					Ahead to A1081 High Street					Right to B652 Station Road					U-Turn				
	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs	LIGHT	HEAVY	BUS	TOTAL	PCUs
07:00 - 07:15	2	0	0	2	2.0	64	4	1	69	75.2	50	1	0	51	52.3	0	0	0	0	0.0
07:15 - 07:30	3	0	0	3	3.0	80	7	1	88	98.1	71	0	0	71	71.0	0	0	0	0	0.0
07:30 - 07:45	3	0	0	3	3.0	91	0	3	94	97.0	70	0	0	70	70.0	0	0	0	0	0.0
07:45 - 08:00	1	0	0	1	1.0	97	3	2	102	107.9	71	1	0	72	73.3	0	0	0	0	0.0
Hourly Total	9	0	0	9	9.0	332	14	7	353	378.2	262	2	0	264	266.6	0	0	0	0	0.0
08:00 - 08:15	1	0	0	1	1.0	115	5	2	122	130.5	72	1	0	73	74.3	0	0	0	0	0.0
08:15 - 08:30	1	0	0	1	1.0	96	3	1	100	104.9	70	2	1	73	76.6	1	0	0	1	1.0
08:30 - 08:45	2	0	0	2	2.0	108	6	1	115	123.8	52	1	0	53	54.3	0	0	0	0	0.0
08:45 - 09:00	4	0	0	4	4.0	110	1	1	112	114.3	38	1	1	40	42.3	0	0	0	0	0.0
Hourly Total	8	0	0	8	8.0	429	15	5	449	473.5	232	5	2	239	247.5	1	0	0	1	1.0
09:00 - 09:15	2	0	0	2	2.0	86	3	3	92	98.9	36	2	1	39	42.6	0	0	0	0	0.0
09:15 - 09:30	7	0	0	7	7.0	100	2	1	103	106.6	47	1	0	48	49.3	0	0	0	0	0.0
09:30 - 09:45	2	0	0	2	2.0	93	3	2	98	103.9	52	3	0	55	58.9	0	0	0	0	0.0
09:45 - 10:00	4	0	0	4	4.0	88	4	2	94	101.2	43	4	0	47	52.2	0	0	0	0	0.0
Hourly Total	15	0	0	15	15.0	367	12	8	387	410.6	178	10	1	189	203.0	0	0	0	0	0.0
TOTAL	32	0	0	32	32.0	1128	41	20	1189	1262.3	672	17	3	692	717.1	1	0	0	1	1.0
16:00 - 16:15	2	0	0	2	2.0	112	3	1	116	120.9	45	2	0	47	49.6	0	0	0	0	0.0
16:15 - 16:30	4	0	0	4	4.0	105	1	2	108	111.3	50	0	0	50	50.0	0	0	0	0	0.0
16:30 - 16:45	6	0	0	6	6.0	104	2	3	109	114.6	56	0	0	56	56.0	1	0	0	1	1.0
16:45 - 17:00	3	0	0	3	3.0	111	3	0	114	117.9	37	1	0	38	39.3	0	0	0	0	0.0
Hourly Total	15	0	0	15	15.0	432	9	6	447	464.7	188	3	0	191	194.9	1	0	0	1	1.0
17:00 - 17:15	5	1	0	6	7.3	101	1	1	103	105.3	48	0	0	48	48.0	1	0	0	1	1.0
17:15 - 17:30	7	0	0	7	7.0	95	0	2	97	99.0	43	0	0	43	43.0	0	0	0	0	0.0
17:30 - 17:45	4	0	0	4	4.0	110	2	1	113	116.6	46	0	0	46	46.0	1	0	0	1	1.0
17:45 - 18:00	5	0	0	5	5.0	113	2	1	116	119.6	49	1	0	50	51.3	0	0	0	0	0.0
Hourly Total	21	1	0	22	23.3	419	5	5	429	440.5	186	1	0	187	188.3	2	0	0	2	2.0
18:00 - 18:15	9	0	0	9	9.0	91	1	1	93	95.3	56	1	0	57	58.3	0	0	0	0	0.0
18:15 - 18:30	4	0	0	4	4.0	92	3	1	96	100.9	42	0	0	42	42.0	0	0	0	0	0.0
18:30 - 18:45	4	0	0	4	4.0	115	1	1	117	119.3	56	0	0	56	56.0	0	0	0	0	0.0
18:45 - 19:00	7	0	0	7	7.0	91	2	0	93	95.6	41	0	0	41	41.0	0	0	0	0	0.0
Hourly Total	24	0	0	24	24.0	389	7	3	399	411.1	195	1	0	196	197.3	0	0	0	0	0.0
TOTAL	60	1	0	61	62.3	1240	21	14	1275	1316.3	569	5	0	574	580.5	3	0	0	3	3.0

PCU Factors:	
LIGHT	1.0
HEAVY	2.3
BUS	2.0

Harpenden, Thursday 27th June 2024



Site 1

Queues are stationary vehicles each 5 minutes

TIME	B653 Lower Luton Road (North) RIGHT TURN	B652 Bower Heath Lane	B653 Lower Luton Road (South) RIGHT TURN	Westfield Road
07:00	0	0	1	0
07:05	0	0	0	0
07:10	0	3	0	0
07:15	0	0	0	0
07:20	0	0	0	2
07:25	0	0	0	0
07:30	0	0	0	0
07:35	0	0	0	1
07:40	0	1	0	0
07:45	0	0	0	0
07:50	0	0	0	0
07:55	0	0	0	2
08:00	0	0	0	0
08:05	0	0	0	0
08:10	0	5	0	0
08:15	0	0	0	0
08:20	0	0	0	0
08:25	0	0	0	0
08:30	1	0	0	2
08:35	0	0	0	1
08:40	0	0	0	1
08:45	0	0	0	0
08:50	0	0	0	1
08:55	0	0	0	3
09:00	0	0	1	0
09:05	0	0	0	0
09:10	0	0	0	0
09:15	1	0	0	0
09:20	0	1	0	3
09:25	2	0	0	0
09:30	0	0	0	0
09:35	0	0	0	0
09:40	0	0	0	2
09:45	0	0	0	0
09:50	0	0	0	0
09:55	0	0	0	2
10:00	0	0	0	1

16:00	0	0	0	1
16:05	0	0	0	2
16:10	0	1	0	1
16:15	0	0	0	0
16:20	0	0	0	2
16:25	1	0	0	0
16:30	0	0	0	2
16:35	0	0	0	0
16:40	0	0	0	6
16:45	0	2	0	0
16:50	0	1	0	1
16:55	0	2	0	3
17:00	0	0	0	0
17:05	0	0	0	0
17:10	0	0	0	0
17:15	0	0	0	0
17:20	0	0	0	2
17:25	0	0	0	1
17:30	0	0	0	3
17:35	0	0	0	0
17:40	0	0	0	0
17:45	0	0	0	1
17:50	0	0	0	0
17:55	0	0	0	1
18:00	0	0	0	0
18:05	0	0	0	1
18:10	0	0	0	0
18:15	0	0	0	0
18:20	0	0	0	0
18:25	0	0	0	0
18:30	0	0	0	0
18:35	0	0	0	1
18:40	0	0	0	0
18:45	0	0	0	0
18:50	0	0	0	0
18:55	0	0	0	0
19:00	0	0	0	1

Harpenden, Thursday 27th June 2024

Site 2

Queues are stationary vehicles each 5 minutes



TIME	B653 Lower Luton Road (North)	B653 Lower Luton Road (South)	B652 Station Road
07:00	0	0	0
07:05	0	0	0
07:10	0	0	0
07:15	0	0	0
07:20	3	0	0
07:25	0	0	0
07:30	0	0	0
07:35	4	0	0
07:40	0	5	0
07:45	0	1	0
07:50	0	0	0
07:55	1	0	0
08:00	9	0	2
08:05	0	1	2
08:10	0	0	0
08:15	0	0	12
08:20	2	0	1
08:25	0	0	11
08:30	0	0	0
08:35	0	0	2
08:40	0	12	0
08:45	0	0	0
08:50	0	0	0
08:55	0	0	0
09:00	6	0	0
09:05	2	0	0
09:10	0	0	0
09:15	0	0	0
09:20	0	0	0
09:25	0	0	0
09:30	2	0	0
09:35	0	0	0
09:40	0	0	0
09:45	0	0	1
09:50	0	0	0
09:55	0	0	0
10:00	0	0	0

16:00	2	0	0
16:05	0	0	1
16:10	0	0	7
16:15	0	0	16
16:20	1	0	0
16:25	0	0	0
16:30	0	0	0
16:35	0	0	0
16:40	0	0	0
16:45	2	0	0
16:50	0	0	0
16:55	1	0	0
17:00	0	6	0
17:05	0	0	0
17:10	0	0	0
17:15	0	0	15
17:20	0	0	3
17:25	0	0	0
17:30	0	0	8
17:35	0	0	1
17:40	1	0	0
17:45	0	0	0
17:50	0	0	0
17:55	0	0	0
18:00	2	0	0
18:05	0	10	0
18:10	0	0	1
18:15	0	0	2
18:20	0	0	0
18:25	0	0	0
18:30	0	5	0
18:35	0	0	0
18:40	0	3	0
18:45	0	0	12
18:50	0	0	2
18:55	0	0	0
19:00	0	0	0

Harpenden, Thursday 27th June 2024



Site 3

Queues are stationary vehicles each 5 minutes

TIME	Common Lane	B653 Lower Luton Road (East)	Crabtree Lane	B653 Lower Luton Road (West)
07:00	0	0	0	0
07:05	0	0	0	0
07:10	0	0	0	0
07:15	1	0	0	0
07:20	0	0	0	0
07:25	0	0	0	0
07:30	0	0	0	0
07:35	0	0	0	0
07:40	1	0	0	0
07:45	0	0	0	0
07:50	2	0	0	0
07:55	0	0	0	2
08:00	0	3	0	0
08:05	0	0	0	0
08:10	0	0	0	0
08:15	2	0	0	0
08:20	2	0	0	0
08:25	1	0	0	0
08:30	0	0	0	1
08:35	0	0	0	0
08:40	2	0	0	0
08:45	0	0	0	0
08:50	0	0	0	0
08:55	0	0	0	0
09:00	2	0	0	0
09:05	0	0	0	0
09:10	1	0	0	0
09:15	0	0	0	0
09:20	0	0	0	0
09:25	1	0	0	0
09:30	0	0	0	0
09:35	0	0	0	0
09:40	0	0	0	0
09:45	0	0	0	0
09:50	0	0	0	0
09:55	0	0	0	0
10:00	0	0	0	0

16:00	0	0	0	1
16:05	0	0	0	0
16:10	0	0	0	0
16:15	0	0	0	0
16:20	0	1	0	0
16:25	0	0	0	0
16:30	1	0	0	0
16:35	0	0	0	0
16:40	0	0	1	0
16:45	0	0	0	0
16:50	0	0	0	0
16:55	0	0	0	0
17:00	0	0	0	0
17:05	0	0	0	0
17:10	0	0	0	0
17:15	0	0	0	0
17:20	1	0	0	0
17:25	0	0	0	0
17:30	0	0	0	0
17:35	0	0	0	0
17:40	0	0	0	0
17:45	0	0	0	0
17:50	0	0	0	0
17:55	0	0	0	0
18:00	0	0	0	0
18:05	0	0	0	0
18:10	0	0	0	0
18:15	0	0	0	0
18:20	0	0	0	0
18:25	0	0	0	0
18:30	0	0	0	0
18:35	1	0	0	0
18:40	0	4	0	0
18:45	0	0	0	0
18:50	1	0	0	0
18:55	0	0	0	0
19:00	0	0	0	0

Harpenden, Thursday 27th June 2024



Site 4

Queues are stationary vehicles each 5 minutes

TIME	B651 Lamer Lane	B653 Codicote Road	B651 Station Road	B653 Lower Luton Road
07:00	0	0	0	0
07:05	0	0	1	0
07:10	0	0	0	0
07:15	0	0	1	0
07:20	0	0	1	0
07:25	0	0	1	0
07:30	0	0	0	8
07:35	0	0	0	0
07:40	0	0	0	6
07:45	0	2	0	0
07:50	0	0	6	0
07:55	0	0	0	0
08:00	5	0	1	0
08:05	1	0	4	0
08:10	10	0	4	0
08:15	1	0	2	0
08:20	12	0	2	8
08:25	10	1	0	1
08:30	0	0	1	0
08:35	0	0	0	0
08:40	0	0	0	0
08:45	0	0	0	3
08:50	0	0	0	0
08:55	0	0	0	0
09:00	8	0	0	0
09:05	0	0	0	0
09:10	0	0	0	2
09:15	0	0	0	0
09:20	0	0	0	0
09:25	0	0	1	0
09:30	3	0	0	0
09:35	1	0	0	0
09:40	1	0	0	0
09:45	0	0	0	1
09:50	0	2	0	5
09:55	0	2	0	0
10:00	0	0	0	0

16:00	0	0	0	0
16:05	0	2	0	0
16:10	3	2	0	0
16:15	0	0	0	0
16:20	0	0	0	3
16:25	2	2	0	0
16:30	0	0	0	0
16:35	0	0	0	2
16:40	0	0	0	1
16:45	0	0	0	0
16:50	0	0	0	3
16:55	1	0	0	0
17:00	0	2	0	0
17:05	2	0	4	0
17:10	0	1	0	0
17:15	0	0	0	0
17:20	0	0	6	0
17:25	3	0	5	0
17:30	0	0	0	0
17:35	0	0	4	0
17:40	0	0	1	0
17:45	0	0	0	0
17:50	0	0	2	0
17:55	0	0	5	2
18:00	0	0	0	0
18:05	0	0	0	0
18:10	0	0	0	0
18:15	0	0	0	0
18:20	0	0	0	0
18:25	1	0	0	0
18:30	0	0	1	0
18:35	1	0	0	0
18:40	2	0	0	1
18:45	3	0	0	0
18:50	0	0	0	5
18:55	0	0	4	0
19:00	0	0	3	0

Harpenden, Thursday 11th July 2024



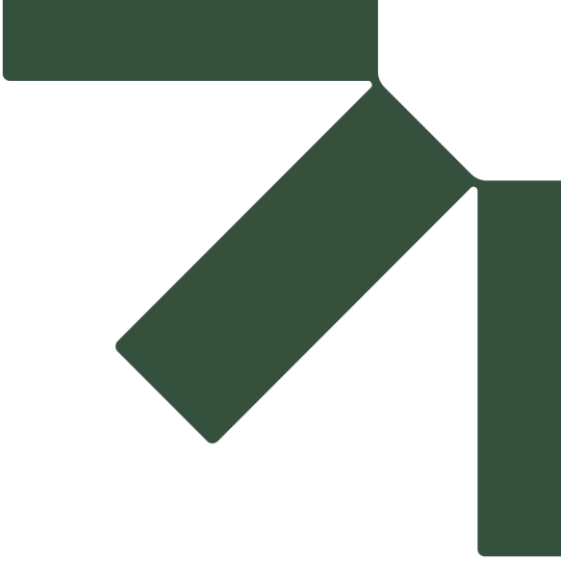
Site 5

Queues are stationary vehicles each 5 minutes

LANE 1 is nearside lane

TIME	A1081 High Street		B652 Station Road	A1081 St. Albans Road
	LANE 1	LANE 2		
07:00	0	0	0	0
07:05	0	0	0	0
07:10	0	0	1	0
07:15	0	13	0	0
07:20	0	0	2	0
07:25	2	2	6	0
07:30	0	0	4	0
07:35	0	0	6	6
07:40	0	0	1	0
07:45	1	1	1	0
07:50	0	0	0	13
07:55	0	1	2	0
08:00	0	1	0	0
08:05	0	1	0	0
08:10	0	0	0	12
08:15	0	0	0	0
08:20	0	0	7	0
08:25	0	1	0	6
08:30	0	0	3	0
08:35	0	0	0	0
08:40	0	7	0	3
08:45	0	0	4	0
08:50	0	0	7	0
08:55	0	0	0	0
09:00	1	3	0	2
09:05	0	0	0	0
09:10	2	3	9	0
09:15	0	0	6	0
09:20	0	0	0	0
09:25	0	0	11	0
09:30	0	2	0	1
09:35	0	0	5	0
09:40	1	0	0	0
09:45	0	0	3	0
09:50	0	0	0	1
09:55	0	0	0	0
10:00	0	1	1	0

16:00	0	0	0	18
16:05	0	6	14	0
16:10	0	0	0	24
16:15	0	0	0	0
16:20	0	0	3	0
16:25	0	0	4	0
16:30	0	0	0	0
16:35	0	0	17	0
16:40	0	0	15	21
16:45	0	0	0	0
16:50	1	2	0	16
16:55	1	1	0	0
17:00	0	1	16	5
17:05	0	0	0	0
17:10	0	0	0	16
17:15	0	0	11	0
17:20	0	0	8	0
17:25	0	1	16	0
17:30	0	0	18	10
17:35	0	0	0	6
17:40	0	0	13	0
17:45	0	0	15	4
17:50	0	0	4	1
17:55	0	0	3	0
18:00	0	0	3	0
18:05	0	1	0	6
18:10	0	3	0	10
18:15	0	0	0	6
18:20	0	0	7	0
18:25	0	5	0	10
18:30	0	0	0	0
18:35	3	1	0	0
18:40	0	1	0	0
18:45	0	0	1	6
18:50	0	0	4	0
18:55	0	0	8	0
19:00	1	2	4	0



Appendix D Traffic Flow Diagrams

Transport Assessment

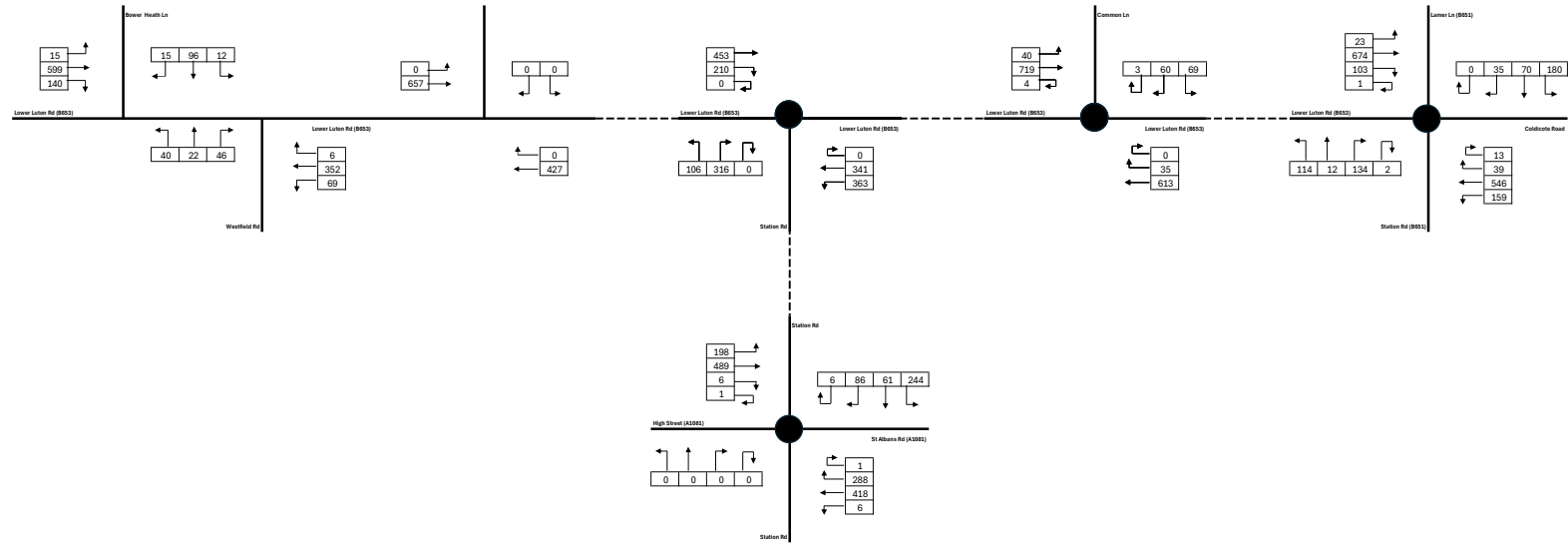
Land North East of Harpenden between Lower Luton Road, Bower Heath Lane and Common Lane

Crest Nicholson

SLR Project No.: 141499

24 February 2026

AM Weekday Baseline Network Peak (07:30-08:30) (TOTAL VEH)



Crest Nicholson - Lower Luton Road Harpenden Site



Key

--- = Gap in the Network

Draw By: TM

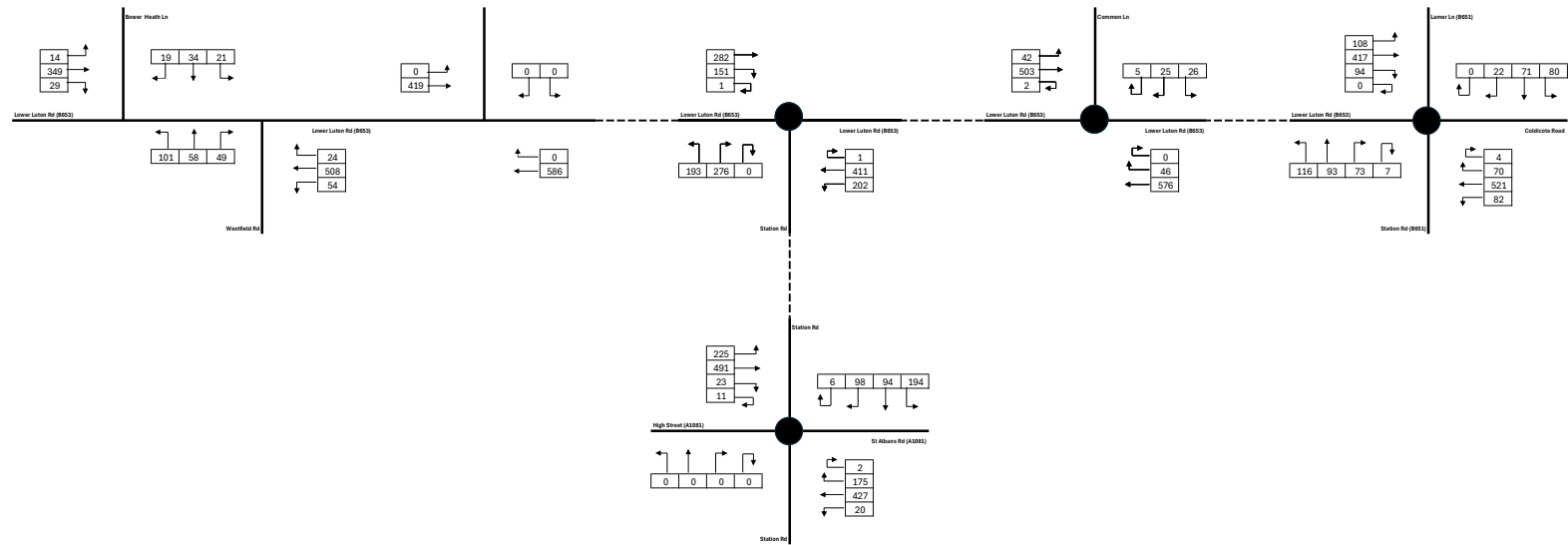
Checked By:

Draw Date:

09/07/24

Sacle: NTS

PM Weekday Baseline Network Peak (16:45-17:45) (TOTAL VEH)



Crest Nicholson - Lower Luton Road Harpenden Site



Key

--- = Gap in the Network

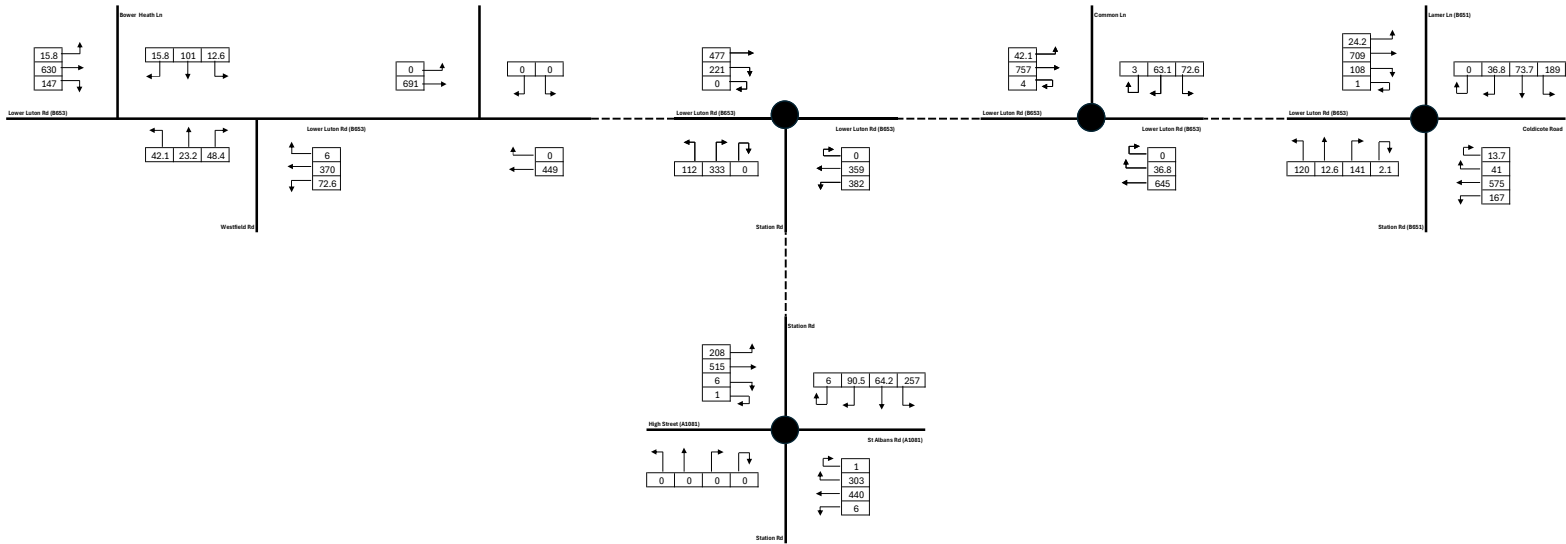
Draw By: TM

Checked By:

Draw Date: 09/07/24

Scale: NTS

AM Weekday Future Baseline Network Peak (07:30-08:30) (TOTAL VEH)



Crest Nicholson - Lower Luton Road Harpenden Site



Key

--- = Gap in the Network

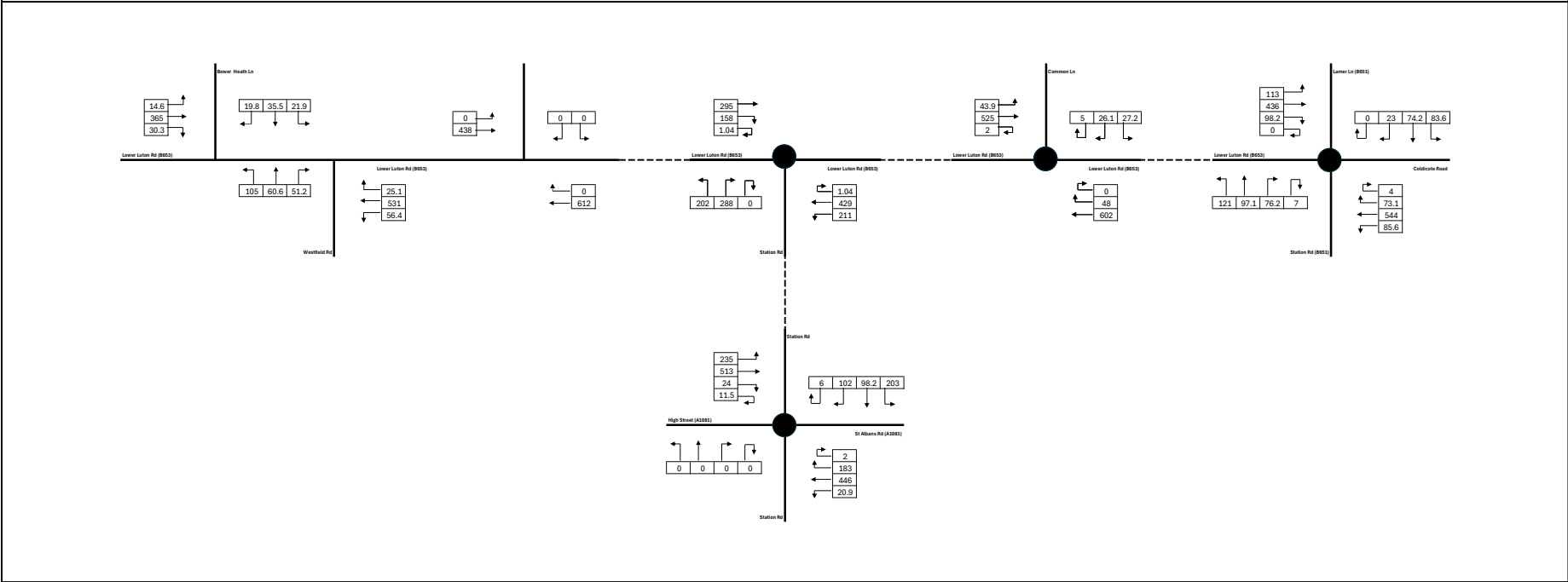
Draw By: TM

Checked By:

Draw Date:

09/07/24

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Crest Nicholson - Lower Luton Road Harpenden Site



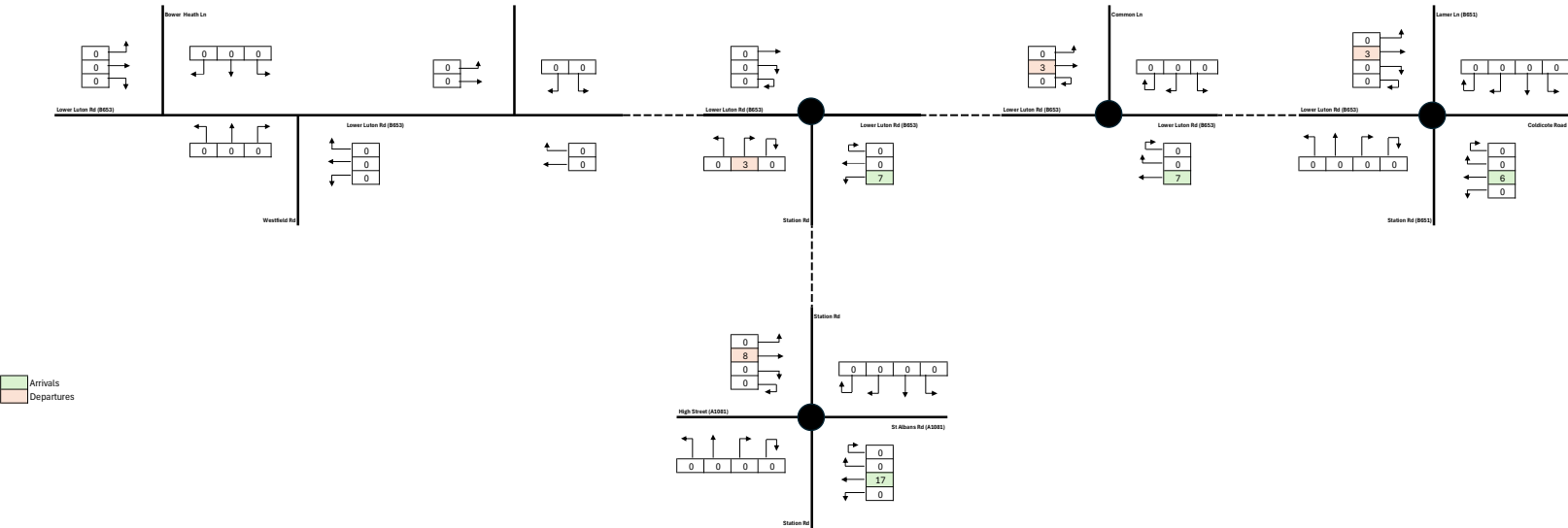
Key

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Committed Development (5/2023/0327) - AM Peak



Crest Nicholson - Lower Luton Road Harpenden Site



Key

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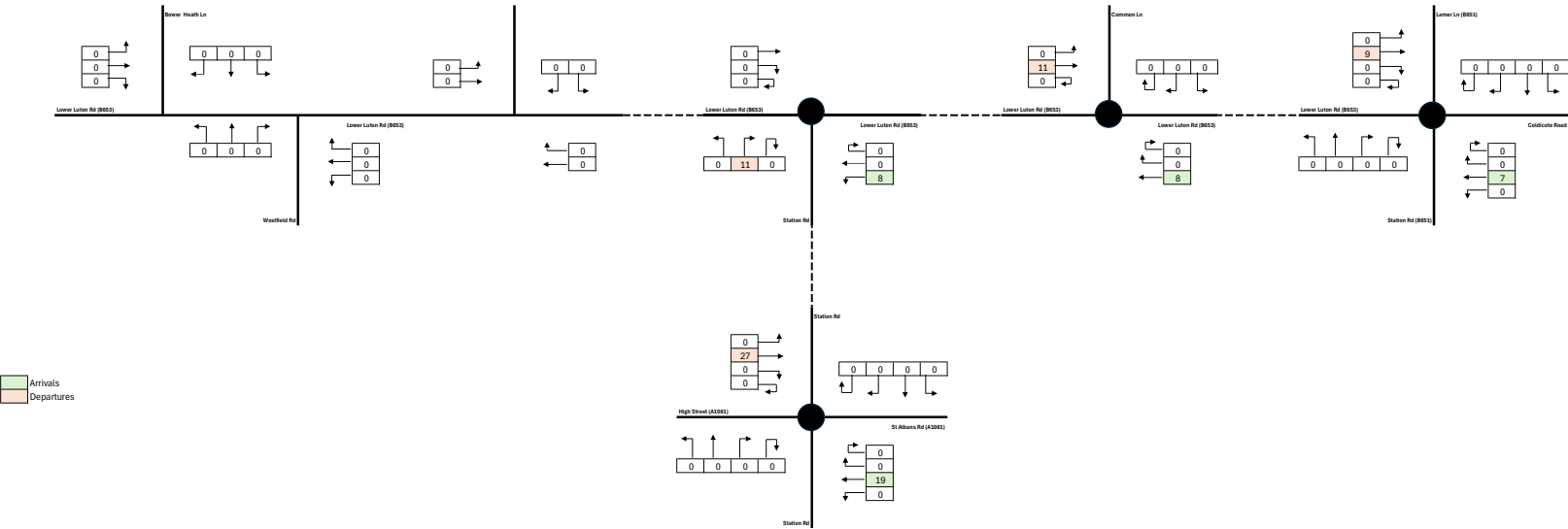
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09/07/24

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Committed Development (5/2023/0327) - PM Peak



Crest Nicholson - Lower Luton Road Harpenden Site



Key

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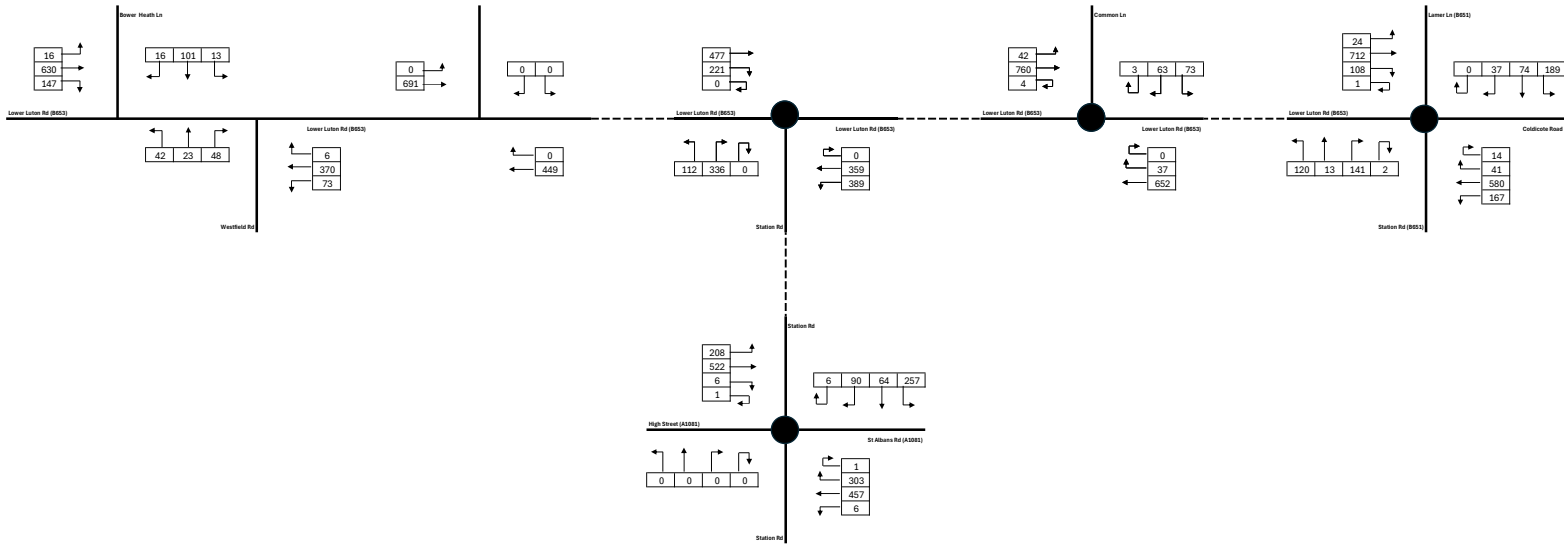
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Base 2036 (incl Comm Dev) - AM Peak



Crest Nicholson - Lower Luton Road Harpenden Site



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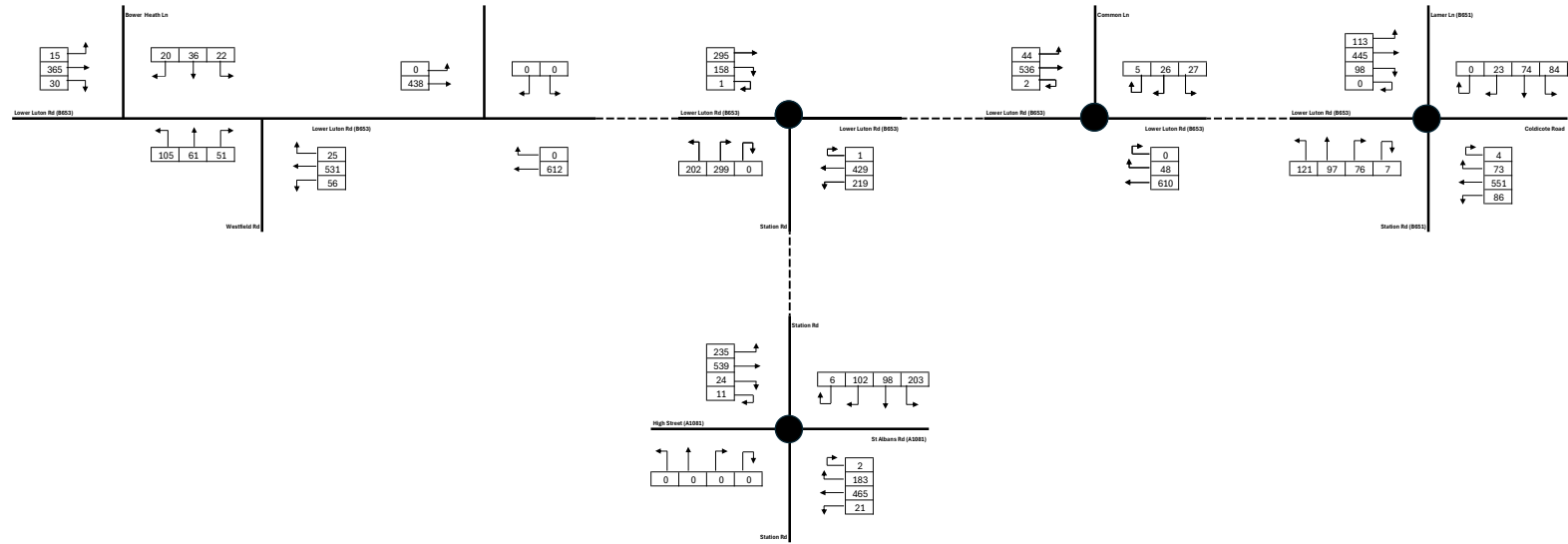
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Base 2036 (incl Comm Dev) - PM Peak



Crest Nicholson - Lower Luton Road Harpenden Site



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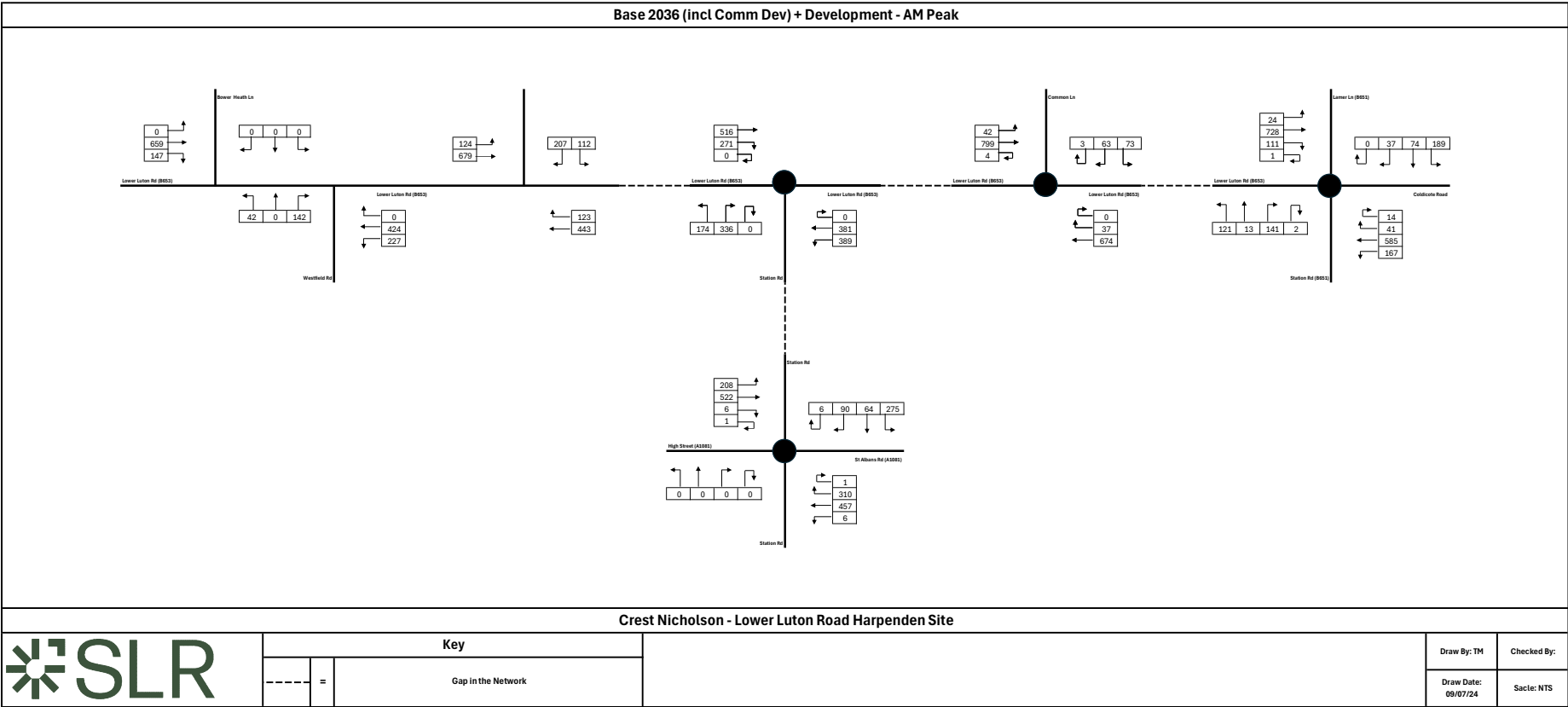
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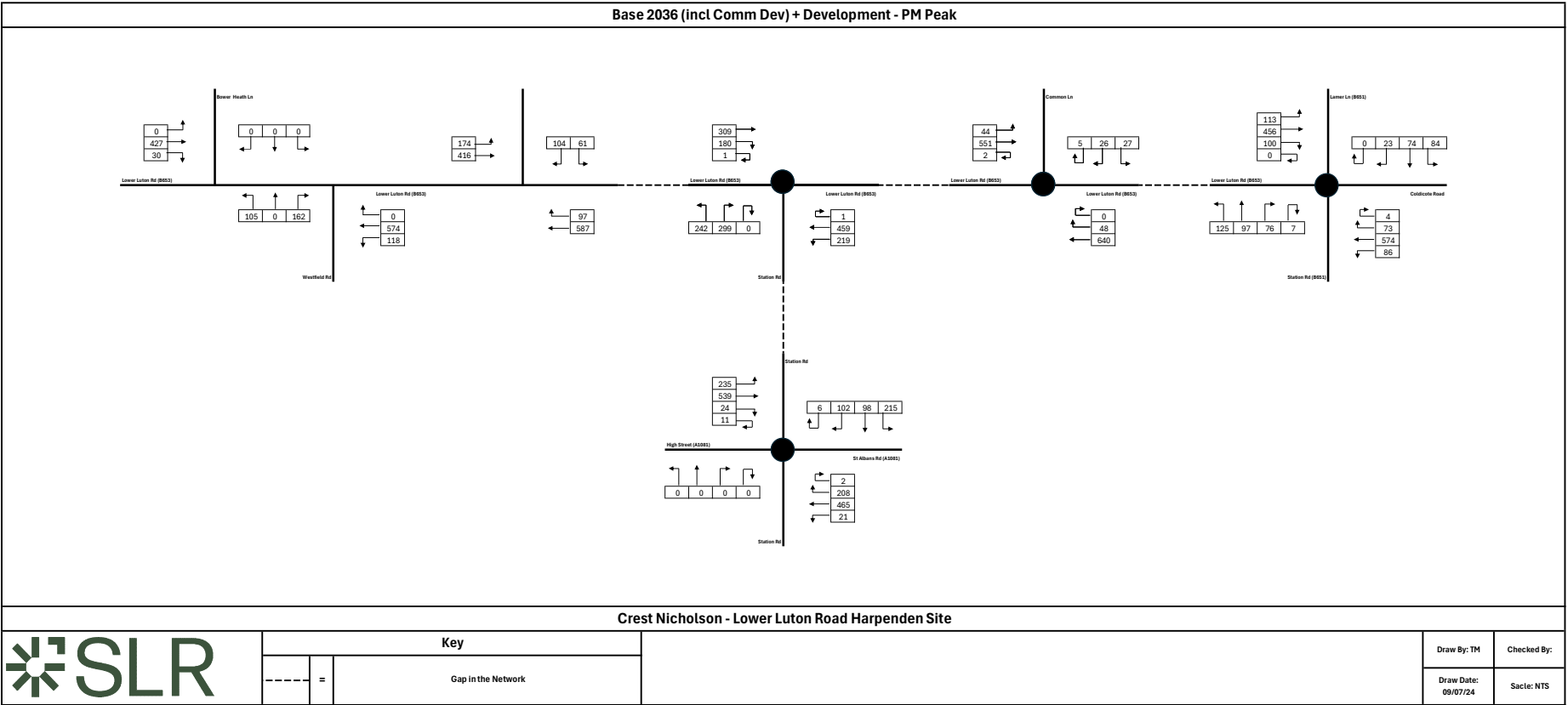
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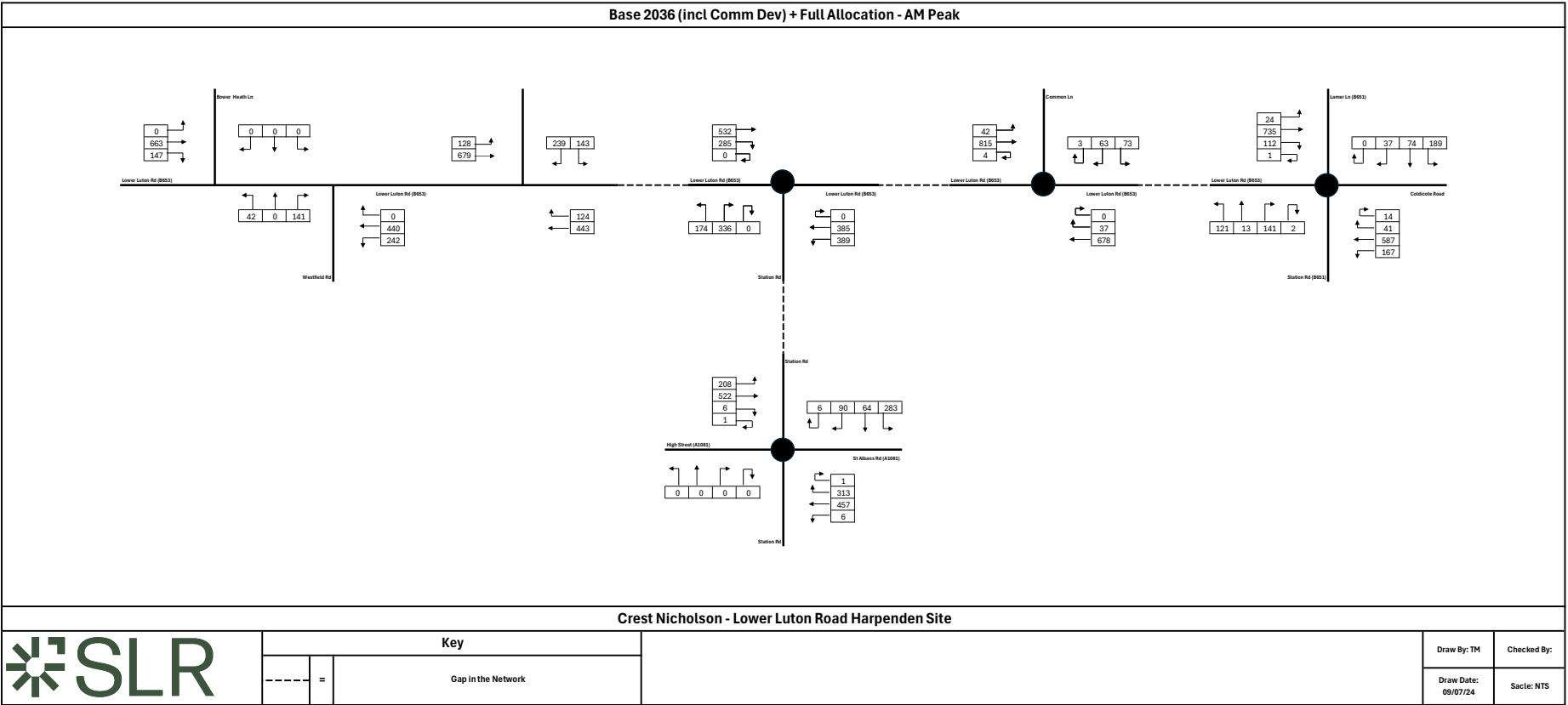
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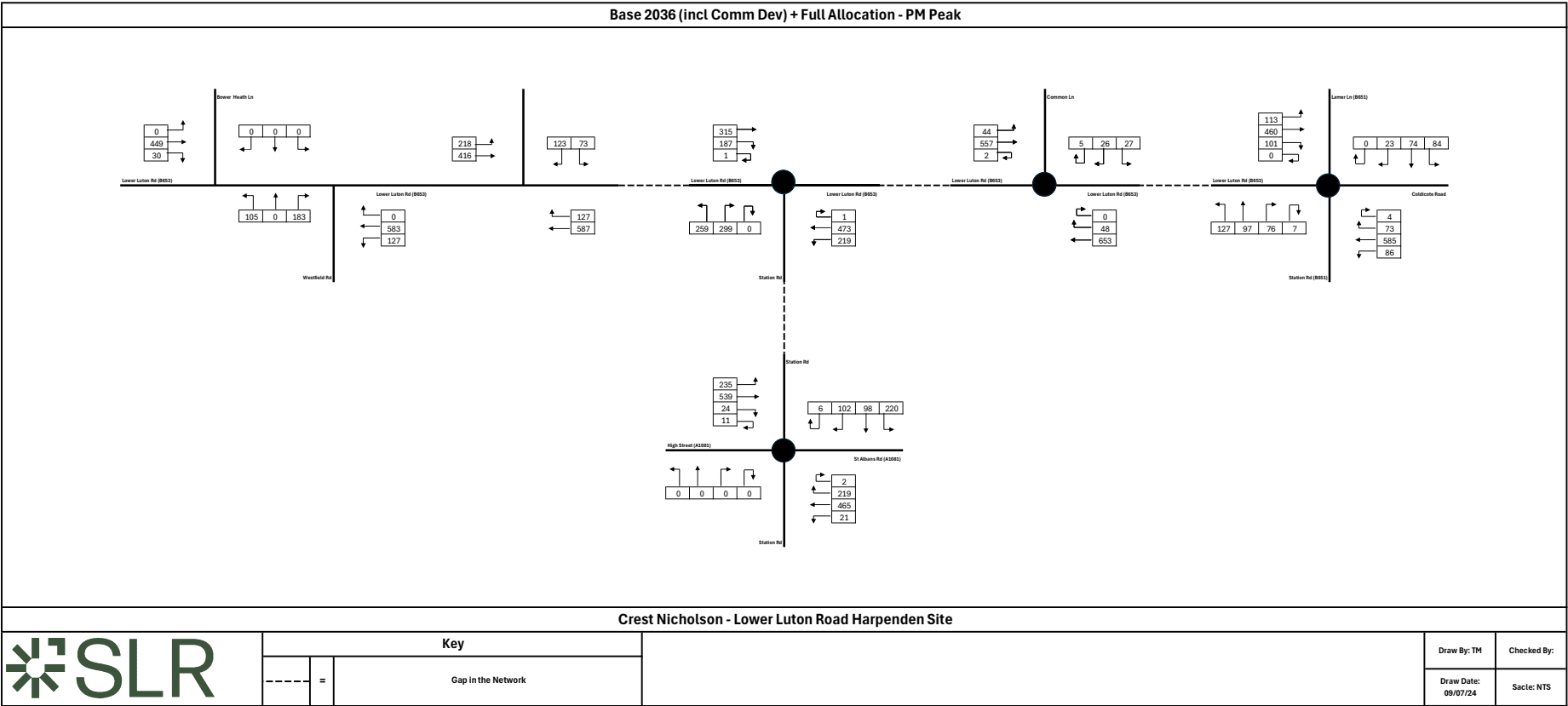
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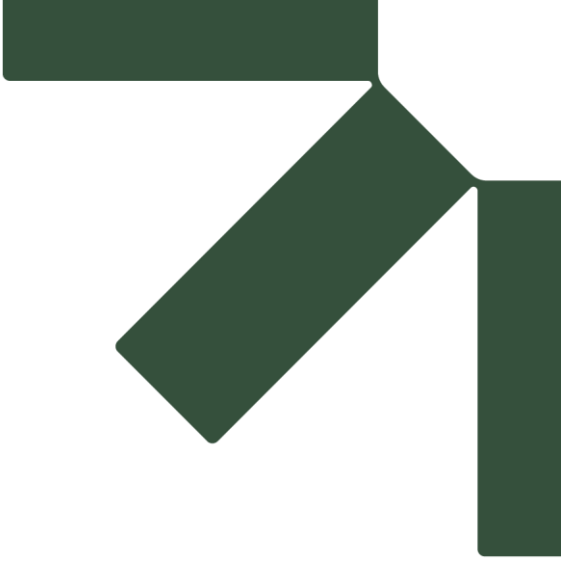
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Appendix E HCC Collision Data

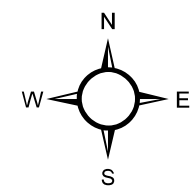
Transport Assessment

Land North East of Harpenden between Lower Luton Road, Bower Heath Lane and Common Lane

Crest Nicholson

SLR Project No.: 141499

24 February 2026



B653 Lower Luton Road Batford

Legend

Fatal

Serious

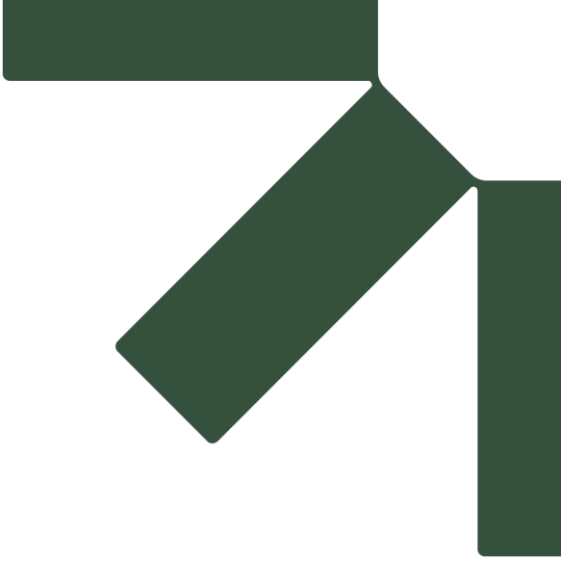
Slight

Selection boundary



27114			
	Prepared	Checked	Approved
Initials	AN	AN	
Date	27/11/2024	27/11/2024	

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Appendix F HCC Response to SADC Local Plan Consultation

Transport Assessment

**Land North East of Harpenden between Lower Luton Road, Bower Heath Lane
and Common Lane**

Crest Nicholson

SLR Project No.: 141499

24 February 2026

**Statement on behalf of Hertfordshire County Council services to
the Examination of the St Albans Draft Local Plan to 2041**



Matter 7: Residential Site Allocations

1. Background

- 1.1.1. Hertfordshire County Council (HCC) is the upper tier authority covering the area of St Albans City and District Council (SACDC) and Dacorum Borough Council (DBC). HCC has statutory responsibility for multiple local government services, including transport, school place planning, adult and children's social care, and advising on surface water drainage.
- 1.1.2. HCC has made representations to the most recent Regulation 18 and 19 consultations to the SACDC local plan. HCC also has two agreed Statements of Common Ground with SACDC [SADC/ED3, and another SOCG that is not yet referenced].

2. Issue 2: Harpenden and Hatching Green Site Allocations

2.1. *Policy B2: North East Harpenden: Q5 Can a safe and suitable access to the site be achieved? Is it sufficiently clear to users of the Plan what any necessary highway improvements would entail, and where and how they would be delivered?*

- 2.1.1. HCC is satisfied that safe and suitable access for the allocation can be achieved, including for individual land ownerships. This has been demonstrated through pre-application engagement with two of the landowners of the site.
- 2.1.2. However, HCC would like to see additional policy wording around access to ensure the appropriate solution is delivered at application stage. Below is our suggested wording:
- 2.1.3. *'All modes access to be provided onto Lower Luton Road, with assessment of impacts upon the existing Lower Luton Road/Bower Heath Lane/Westfield Road junction'*

2.2. *Policy M19 : Piggotshill Lane and UC47: Crabtree Fields: Q5 Can a safe and suitable access to the site be achieved? Is it sufficiently clear to users of the Plan what any necessary highway improvements would entail, and where and how they would be delivered?*

- 2.2.1. The promoter is developing an access that does not utilise the Piggotshill Lane with SACDC. We do not wish to include policy requiring a specific solution (to retain flexibility in developing a solution) but retain the position that vehicle access from Piggotshill is not acceptable.

3. Issue 3: London Colney Site Allocations

3.1. *Policy B6: West of London Colney: Question 2: How will the proposed secondary school be delivered, and what are the reasons for allocating land for the new school in this location?*

- 3.1.1. The land proposed for the secondary school, shown in yellow hatching in the policies map, is in HCC ownership and this is the long term intention. HCC would therefore be able to deliver the school, securing the relevant planning consent, when required without reliance on a land transfer or acquisition process.
- 3.1.2. London Colney does not currently have a secondary school and is therefore an exporter of secondary school pupils to St Albans and other surrounding areas. A new school in this location would redirect and contain existing pupil flows from London Colney and Colney in the area, provide new capacity for growth in the same, and release capacity for growth in south east St Albans.

3.2. *Policy B6: West of London Colney: Q5 Can a safe and suitable access to the site be achieved? Is it sufficiently clear to users of the Plan what any necessary highway improvements would entail, and where and how they would be delivered?*

- 3.2.1. It is reasonable to assume safe and suitable access to the site can be achieved. Detailed transport requirements are contained within site policy and TIA and will be further developed at application stage

4. Issue 4: Wheathampstead Site Allocations

4.1. *Policy M9: Amwell Top Field: Q5 How will the site be accessed? Can a safe and suitable access be achieved if Amwell Lane is not to be used?*

- 4.1.1. HCC cannot give a view at this stage

5. Issue 5: Redbourn and Hemel Hempstead Site Allocations

5.1. *Policy B3: West Redbourn: Can a safe and suitable access to the site be achieved? Is it sufficiently clear to users of the Plan what any necessary highway improvements would entail, and where and how they would be delivered?*

- 5.1.1. It is reasonable to assume safe and suitable access to can be achieved. Detailed transport requirements are contained within site policy and TIA and will be further developed at application stage

5.2. *Policy M6: Land south of Harpenden Lane: Q4 Can a safe and suitable access to the site be achieved? Is it sufficiently clear to*

users of the Plan what any necessary highway improvements would entail, and where and how they would be delivered?

- 5.2.1. It is reasonable to assume safe and suitable access to the site can be achieved. Detailed transport requirements are contained within site policy and TIA and will be further developed at application stage

6. Issue 6: Bricket Wood Site Allocations

6.1. Policy M4/OS1: North of Oakwood Road: Q4 Can a safe and suitable access to the site be achieved? Is it sufficiently clear to users of the Plan what any necessary highway improvements would entail, and where and how they would be delivered?

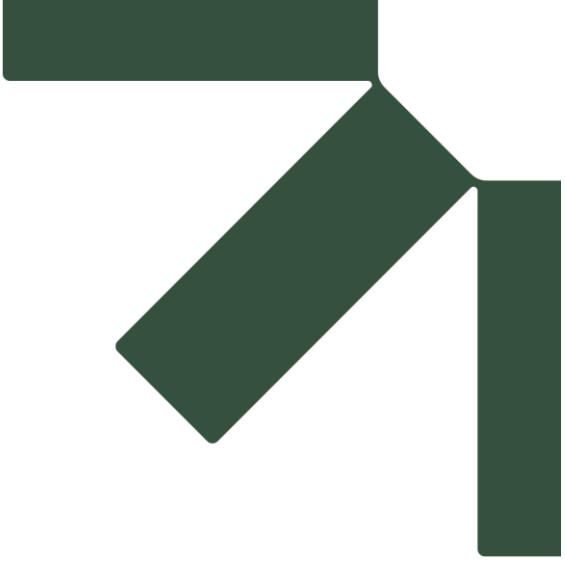
- 6.1.1. HCC's Local Transport Plan (LTP) Policy 5f seeks to restrict new access onto primary and main distributor roads, such as the A405, with the aim of minimising impacts on traffic flow along these key routes. HCC made representations to the SACDC Local plan highlighting we have a conflict with LTP policy due to our LTP position, and we have technical concerns over the use of the A405 as an access for this site.
- 6.1.2. St Albans have considered HCCs position but on balance have allocated the site. However, the wording within the local plan policy discussing access to the A405 is taken directly from our original representations.
- 6.1.3. The wording of LTP Policy 5f allows for flexibility through the inclusion of "special circumstances". In practice, the allocation of a site within an adopted Local Plan is considered a special circumstance. This is a position we have applied consistently in Highways Development Management responses.
- 6.1.4. Therefore, should the local plan progress through the current examination and be adopted by SADC, our policy objection falls away. We therefore raise no objection to the wording being amended as is suggested by the applicant and SADC.
- 6.1.5. It nonetheless remains necessary for a technical solution for access to be identified, and it should be noted that allocation within an adopted plan and/or removal of our policy objection does not override or prejudice the requirement to demonstrate a safe access through appropriate evidence.
- 6.1.6. Work is underway with the county council through pre application process to develop an agreed access strategy.

7. Issue 10 – Colney Heath and Radlett Site Allocations

7.1. Policy B8: Harper Lane: Radlett: Q5 Can a safe and suitable access to the site be achieved? Is it sufficiently clear to users of the Plan

what any necessary highway improvements would entail, and where and how they would be delivered?

- 7.1.1. It is reasonable to assume safe and suitable access to the site can be achieved. Detailed transport requirements are contained within site policy and TIA and will be further developed at application stage



Appendix G Road Safety Audit and Designers Response

Transport Assessment

**Land North East of Harpenden between Lower Luton Road, Bower Heath Lane
and Common Lane**

Crest Nicholson

SLR Project No.: 141499

24 February 2026



Stage 1 Road Safety Audit

Land North East of Harpenden between Lower Luton Road, Bower Heath Lane and Common Lane

Crest Nicholson Chiltern (Crest)

Prepared by:

SLR Consulting Limited

3rd Floor, Brew House, Jacob Street, Tower Hill,
Bristol, BS2 0EQ

SLR Project No: 141499

27 October 2025

Revision: 01

Revision Record

Revision	Date	Prepared By	Checked By	Authorised By
01	29 October 2024	Duncan Stuart	Ben Finch	Duncan Stuart
	Click to enter a date.			

Basis of Report

This document has been prepared by SLR Consulting Limited (SLR) with reasonable skill, care and diligence, and taking account of the timescales and resources devoted to it by agreement with Crest Nicholson Chiltern (the Client) as part or all of the services it has been appointed by the Client to carry out. It is subject to the terms and conditions of that appointment.

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3.0	Audit Team Statement.....	9

Appendices

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Appendix B	Submitted Documents
Appendix C	Problem Location Plans



Acronyms and Abbreviations

RSA	Road Safety Audit
DMRB	Design Manual for Roads and Bridges
MfS	Manual for Streets
PIC	Personal Injury Collisions
DfS	Departures from Standards
SPA	Swept Path Analysis



1.0 Introduction

- 1.1 This report results from a Stage 1 Road Safety Audit carried out on Monday 27th October 2025. The RSA was carried out on behalf of Crest Nicholson Chiltern (Crest). The Overseeing Organisation for this Stage 1 is Hertfordshire County Council (HCC).
- 1.2 An Audit Brief was prepared by Taylor Davis of SLR Consulting Ltd on 20th October 2025. This Audit Brief was formally accepted by the Audit Team on the same date.
- 1.3 This Road Safety Audit team was as follows:
 - Duncan Stuart, BSc, MSc, MCIHT, MSoRSA, NH Cert Comp.
Audit Team Leader
Associate Director Transport Planner
SLR Consulting Ltd
 - Ben Finch, MCIHT, MSoRSA
Audit Team Member
Principal Transport Planner
SLR Consulting Ltd
- 1.4 A site visit was undertaken by the Audit Team on Friday 24th October 2025, between the hours of 11:30 and 12:30. The weather at the time of the visit was sunny and the carriageway surface was damp. Vehicular traffic levels were moderate. Very low pedestrian and cyclist movements observed during this time.
- 1.5 A site location plan can be found at **Appendix A** of this report.
- 1.6 The terms of reference of the Road Safety Audit are as described in the Design Manual for Roads and Bridges (DMRB) Standard, GG119 Road Safety Audit.
- 1.7 The Audit Team has examined and reported only on the road safety implications of the scheme as presented and has not examined or verified the compliance of the designs to any other criteria. However, to clearly explain a safety problem or the recommendation to resolve a problem the Audit Team may, on occasion, have referred to a design standard without touching on technical audit.
- 1.8 A table of documents submitted for this Stage 1 RSA can be found in **Appendix B**.
- 1.9 The scheme subject to this Stage 1 RSA is the following: proposes a new junction from Lower Luton Road into the proposed development. This will be in the form of a priority T-junction with a right-turn lane. The proposals will also close Bower Heath Lane at the junction with Lower Luton Road to motor traffic with the exception of access to a single dwelling.
- 1.10 Submitted design drawings have been annotated to show the locations of any problems identified during this Stage 1 RSA. These plans can be found at **Appendix C**.
- 1.11 It is noted that no swept path analysis drawings have been provided as part of the Stage 1 RSA brief. It is requested that these are provided to ensure each movement can be undertaken safely and without conflict.



- 1.12 Whilst recommendations have been made within this report, there may be equally satisfactory alternatives. The Audit Team will be pleased to consider alternatives if required.

Departures from Standards

- 1.13 The Audit Team were not informed of any Departure from Standards (DfS) associated with the design proposals.



2.0 Matters arising from this Stage 1 RSA

141499/SK18 – Proposed Site Access Via Bower Heath Lane – Rev B

2.1 Problem A.

Location: Proposed right turn lane at site access junction.

Summary: The proposed right turn lane does not provide a right turn arrow and a straight-ahead arrow for the main carriageway. This may lead to confusion between drivers determining which lane is dedicated for the required movement, potentially leading to head on collisions.

Recommendation:

It is recommended that appropriate right turn and straight-ahead arrows are provided at the proposed junction.

2.2 Problem B.

Location: Proposed site access junction.

Summary: Appropriate visibility splays are not provided at the junction potentially leading to head on and side swipe type collisions. After review of the visibility splays provided, forward visibility for the right turn lane and appropriate 4.5m setback for the minor arm are not provided. Insufficient visibility for the right turn lane and minor arm of the proposed site access could potentially lead to head on and side swipe type collisions.

Recommendation:

It is recommended that appropriate visibility is provided for the proposed site access right turn lane and minor arm.



2.3 Problem C.

Location: Proposed signalised pedestrian crossing.

Summary: The proposed signalised pedestrian crossing appears to be in the same position as the existing bus stop. This arrangement does not provide pedestrians with a safe route to cross if the bus is required to pick up / drop off from this location. This may lead to may lead to unsafe pedestrian movements, potentially leading to collisions between pedestrians and vehicles.

Recommendation:

It is recommended that the bus stop is relocated so it does not conflict with the proposed signalised pedestrian crossing.

2.4 Problem D.

Location: Proposed bridleway.

Summary: The proposed bridleway links north connecting to the realigned Bowers Heath Lane. This arrangement requires northbound cyclists' visibility splays to dissect private land. This may lead to may lead to unsafe cyclist movements if their visibility is obscured, potentially leading to collisions between cyclists and vehicles.

Recommendation:

It is recommended that the private land is kept clear of obstruction so that it does not impede visibility for cyclists traveling northbound from the bridleway to Bowers Heath Lane.

2.5 Problem E.

Location: Proposed site access minor arm.

Summary: The minor arm site access footway does not provide appropriate tactile paving depth at the dropped kerb and any tactile paving at the island location. This arrangement does not alert appropriately pedestrians they have reached the carriageway or island in the form of the tactiles. This may lead to may lead to unsafe pedestrian movements, potentially leading to collisions between pedestrians and vehicles.

Recommendation:



It is recommended that appropriate tactile paving depth is provided at the dropped kerb and tactile paving is provided at the island location of the new site access.



3.0 Audit Team Statement

- 3.1 We certify that this Audit has been carried out in accordance with the requirements of GG119.

Road Safety Audit Team Leader

Name: Duncan Stuart Bsc, MCIHT, MSoRSA, NH Cert Competency

Signed:

Position: Associate Director Transport Planner

Organisation: SLR Consulting Ltd

Date: 27 October 2025

Road Safety Audit Team Member

Name: Ben Finch

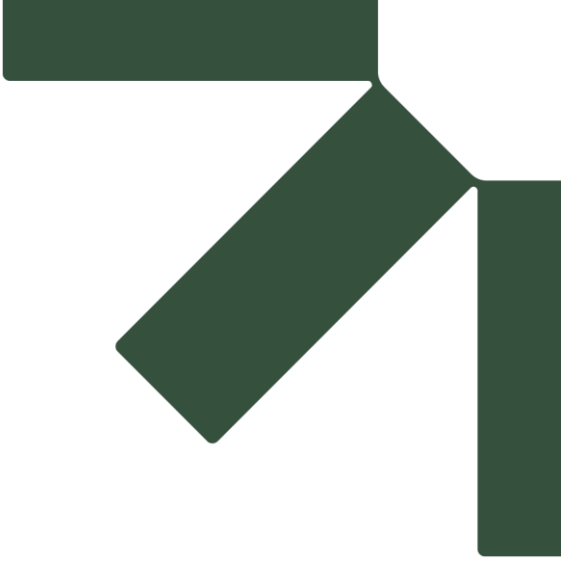
Signed:

Position: Principal Transport Planner

Organisation: SLR Consulting Ltd

Date: 27 October 2025





Appendix A Site Location Plan

Stage 1 Road Safety Audit

Land North East of Harpenden between Lower Luton Road, Bower Heath Lane and Common Lane

Crest Nicholson Chiltern (Crest)

SLR Project No: 1414991499

27 October 2025





Appendix B Submitted Documents

Stage 1 Road Safety Audit

Land North East of Harpenden between Lower Luton Road, Bower Heath Lane and Common Lane

Crest Nicholson Chiltern (Crest)

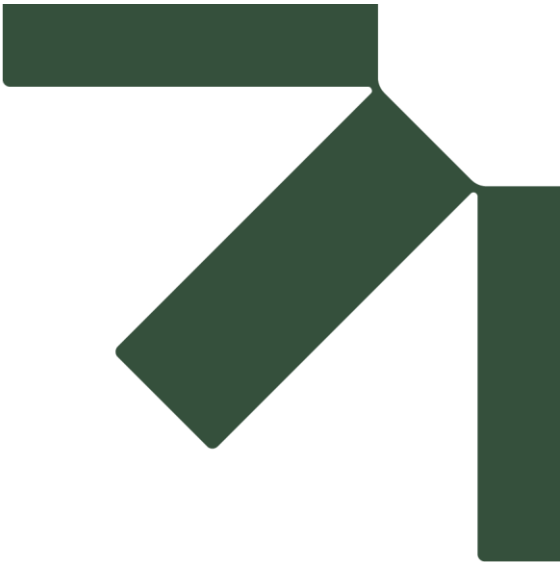
SLR Project No: 1414991499

27 October 2025

Submitted Documents

Document	Document Title
Design Drawings	141499/SK18 – Proposed Site Access Via Bower Heath Lane – Rev B C6017 – Illustrative Masterplan Rev H
Documents	RSA Stage 1 Brief





Appendix C Problem Location Plans

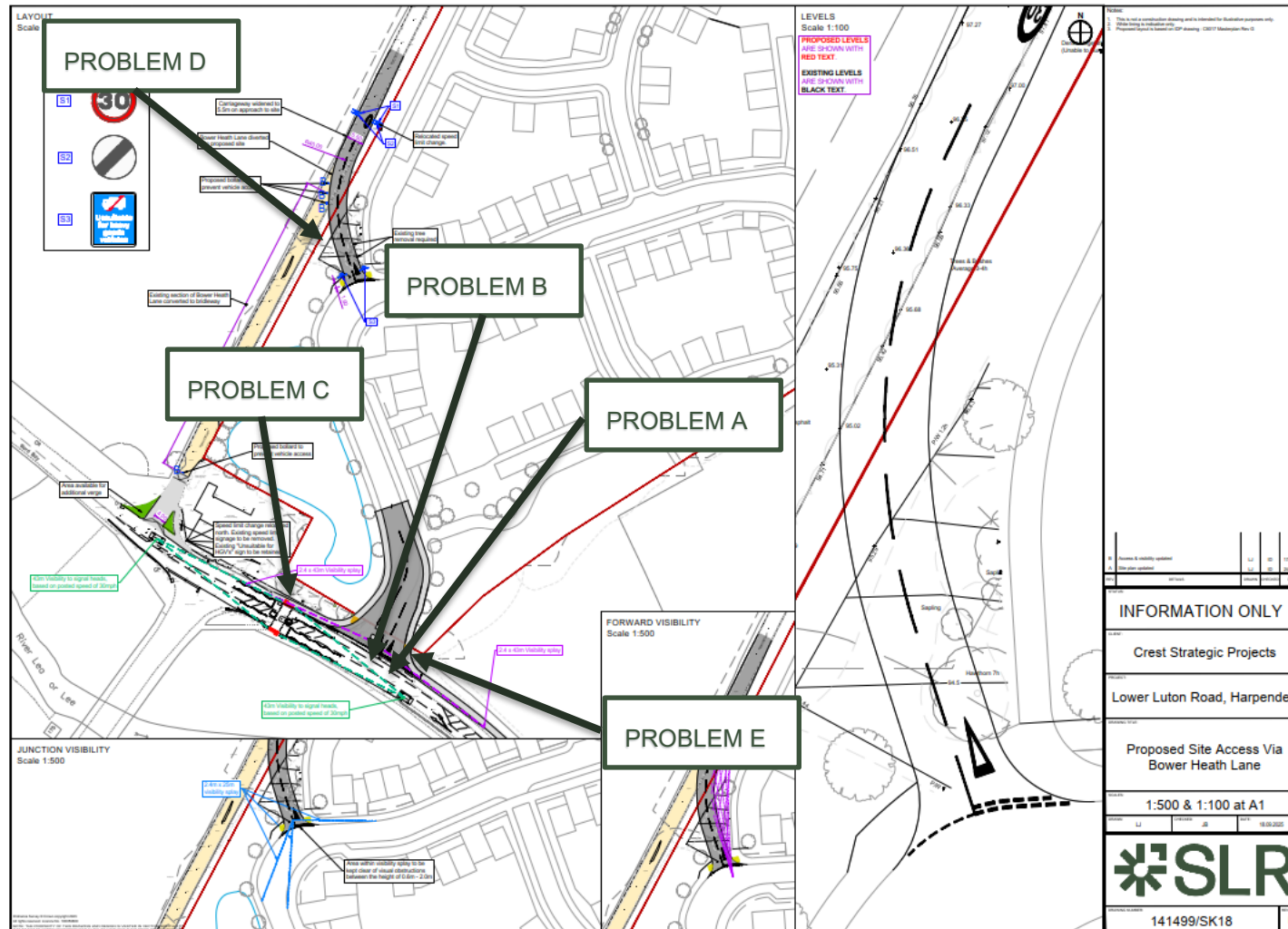
Stage 1 Road Safety Audit

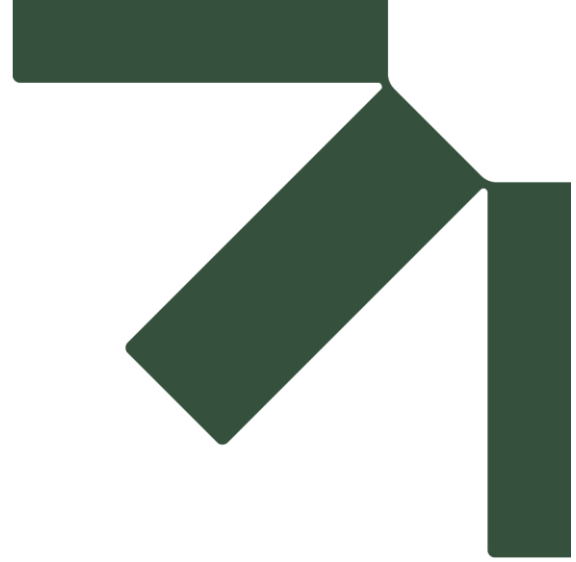
**Land North East of Harpenden between Lower Luton Road, Bower Heath Lane
and Common Lane**

Crest Nicholson Chiltern (Crest)

SLR Project No: 1414991499

27 October 20255







Making Sustainability Happen