RWE Renewables UK Dogger Bank South (West) Limited

RWE Renewables UK Dogger Bank South (East) Limited

Dogger Bank South Offshore Wind Farms

Volume 7

Appendix 24-2 Transport Assessment (Revision 3) (Tracked)

Part 2 of 2

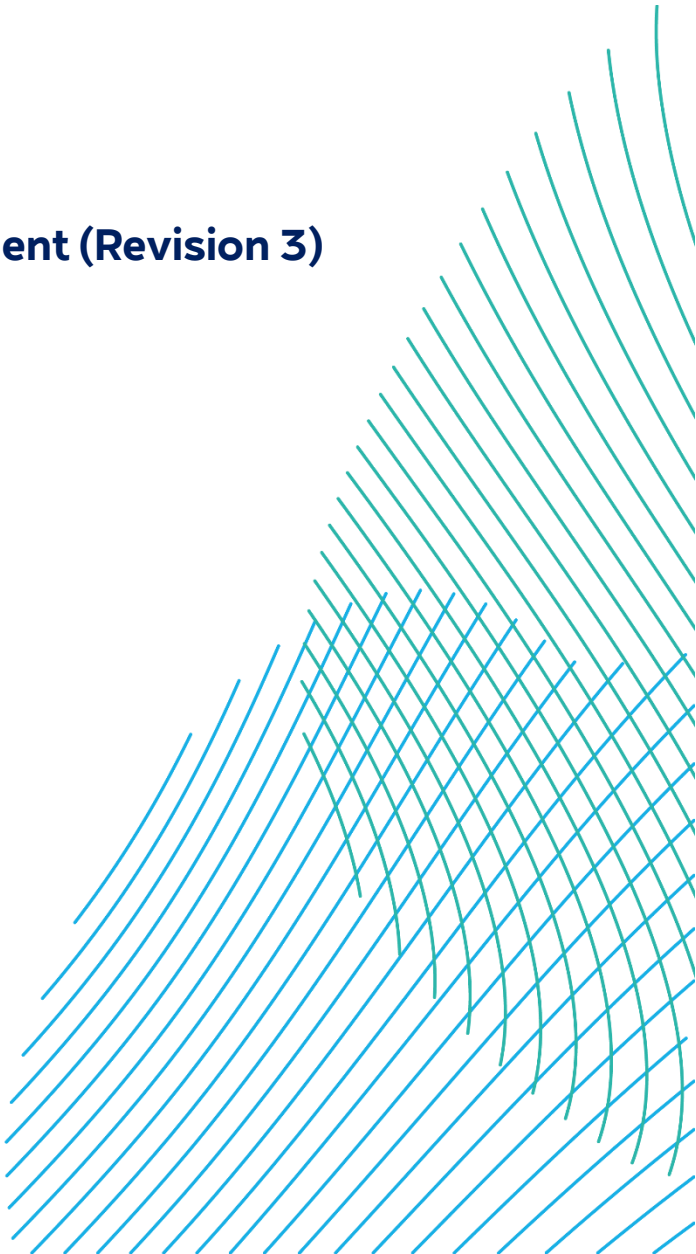
Submission at Deadline 7

June 2025

Application Reference: 7.24.1

APFP Regulation: 5(2)(a)

Revision: 03



Unrestricted

Company:	**RWE Renewables UK Dogger Bank South (West) Limited and RWE Renewables UK Dogger Bank South (East) Limited**	Asset:	**Development**
Project:	**Dogger Bank South Offshore Wind Farms**	Sub Project/Package:	**Consents**
Document Title or Description:	Appendix 24-2 Transport Assessment (Revision 3) (Tracked) Part 2 of 2		
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Rev No.	Date	Status/Reason for Issue	Author	Checked by	Approved by
01	June 2024	Final for DCO Application	RHDHV	RWE	RWE
02	November 2024	Submission at Previous Draft Deadline 1	RHDHV	RWE	RWE
03	June 2025	Submission at Deadline 7	RHDHV	RWE	RWE

Revision Change Log			
Rev No.	**Page**	**Section**	**Description**
01	N/A	N/A	Submitted for DCO Application
02	N/A	Annex 20	Annex 20 'Outline Access Designs' has been updated to orientate the plans in the direction of north as requested in the Rule 6 Letter
03	Various	Annex 5, 6, 7, 8, and 17 Section 24.2.4.3	Appendix 24-4 Transport Assessment has been updated at the request of the Examining Authority within the Rule 17 [PD-018] to accurately reflect the proposed development and contains all the updated information as a result of **Project Change Request 2** (document reference 10.53). These changes primarily relate to updates to total and average flows within Annexes 5, 6, 7, 8 and 17 and months where peaks occur in Section 24.2.4.3.
03	Various	N/A	Appendix 24-4 Transport Assessment has been updated following minor (non-Project Change Request related) errata noticed

08:15 - 08:30

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	1.12	0.00	0.00	3.53	6.68
			2	0.29	0.00	0.00	0.64	2.84
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.25	0.00	0.00	0.65	1.93
			2	0.25	0.00	0.00	0.66	1.94
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.45	0.00	0.00	1.88	1.88
			2	0.78	0.00	0.00	2.70	2.70
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.90	0.00	0.00	2.95	2.95
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.25	0.00	0.00	0.34	3.91
5 - A1079 (W)	Entry	1	1	0.27	0.00	0.00	0.67	1.80
			2	0.85	0.00	0.00	2.40	3.74
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

Lane movements: Main Results for each time segment

07:00 - 07:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	28	7	1184	956	0.030	29	28	0.0	0.0	6.469	A
				3	503	126	1184	968	0.518	498	544	0.0	1.5	8.242	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	112	28	1184	1008	0.111	111	115	0.0	0.1	4.513	A
				5	61	15	1184	928	0.066	62	71	0.0	0.0	5.078	A
	CircLink	1	1	1	67	17	-	-	-	67	73	0.0	0.0	0.000	A
				2	73	18	-	-	-	73	75	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	214	54	-	-	-	214	235	0.0	0.0	0.000	A
				4	29	7	-	-	-	29	27	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	73	18	-	-	-	73	75	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	214	54	-	-	-	214	235	0.0	0.0	0.000	A
				4	29	7	-	-	-	29	27	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	28	7	-	-	-	28	28	0.0	0.0	0.000	A
				3	503	126	-	-	-	503	550	0.0	0.0	0.000	A
				4	112	28	-	-	-	112	115	0.0	0.0	0.000	A
				5	61	15	-	-	-	61	71	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	146	37	1289	913	0.161	147	141	0.0	0.1	4.623	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	20	5	1289	949	0.021	21	21	0.0	0.0	4.655	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	35	9	1289	941	0.037	35	34	0.0	0.0	4.771	A
				5	104	26	1289	904	0.115	104	108	0.0	0.1	5.156	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	29	7	-	-	-	29	28	0.0	0.0	0.000	A
				3	498	124	-	-	-	498	544	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	111	28	-	-	-	111	115	0.0	0.0	0.000	A
				5	62	15	-	-	-	62	71	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	214	54	-	-	-	214	235	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	29	7	-	-	-	29	27	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	20	5	-	-	-	20	21	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	146	37	-	-	-	146	141	0.0	0.0	0.000	A
				4	35	9	-	-	-	35	34	0.0	0.0	0.000	A
				5	104	26	-	-	-	104	109	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	113	28	1076	893	0.126	112	110	0.0	0.3	6.320	A
				5	230	57	1076	921	0.249	229	260	0.0	0.4	6.438	A
			2	1	344	86	1076	886	0.389	345	381	0.0	0.9	8.292	A
				2	52	13	1076	867	0.060	53	59	0.0	0.1	8.336	A
				3	8	2	889	426	0.018	8	13	0.0	0.0	9.280	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	344	86	-	-	-	344	385	0.0	0.0	0.318	A
				2	52	13	-	-	-	52	60	0.0	0.0	0.111	A
				3	8	2	-	-	-	8	13	0.0	0.0	0.000	A
				4	113	28	-	-	-	113	111	0.0	0.0	0.147	A
				5	230	57	-	-	-	230	262	0.0	0.0	0.124	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	147	37	-	-	-	147	141	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	21	5	-	-	-	21	21	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	35	9	-	-	-	35	34	0.0	0.0	0.000	A
				5	104	26	-	-	-	104	108	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	29	7	-	-	-	29	27	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	21	5	-	-	-	21	21	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	18	5	769	550	0.033	18	16	0.0	0.0	7.240	A
				1	128	32	769	549	0.234	129	134	0.0	0.3	11.144	B
				2	35	9	769	561	0.062	35	34	0.0	0.2	13.761	B
			2	3	98	25	769	552	0.180	97	97	0.0	0.7	11.411	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	112	28	-	-	-	112	110	0.0	0.0	0.000	A
	CircLink	1		5	229	57	-	-	-	229	260	0.0	0.0	0.000	A
				1	345	86	-	-	-	345	381	0.0	0.0	0.000	A
				2	53	13	-	-	-	53	59	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	8	2	-	-	-	8	13	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	345	86	-	-	-	345	381	0.0	0.0	0.000	A
				2	53	13	-	-	-	53	59	0.0	0.0	0.000	A
			2	3	8	2	-	-	-	8	13	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	128	32	-	-	-	128	135	0.0	0.1	2.141	A
				2	34	9	-	-	-	35	34	0.0	0.0	2.212	A
	Entry	2	1	3	97	24	-	-	-	98	100	0.0	0.1	2.873	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	18	4	-	-	-	18	16	0.0	0.0	2.917	A
				1	66	17	1070	668	0.100	67	73	0.0	0.0	6.670	A
				2	71	18	1070	769	0.093	73	75	0.0	0.1	6.033	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	212	53	1070	732	0.289	214	235	0.0	0.4	8.073	A
				4	30	7	1070	772	0.039	29	27	0.0	0.1	7.312	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		5	18	5	-	-	-	18	16	0.0	0.0	0.000	A
				1	129	32	-	-	-	129	134	0.0	0.0	0.000	A
				2	35	9	-	-	-	35	34	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	97	24	-	-	-	97	97	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	129	32	-	-	-	129	134	0.0	0.0	0.000	A
				2	35	9	-	-	-	35	34	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	97	24	-	-	-	97	97	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	66	17	-	-	-	66	73	0.0	0.0	0.000	A
				2	71	18	-	-	-	71	76	0.0	0.0	0.000	A
	Entry	2	1	3	212	53	-	-	-	212	237	0.0	0.0	0.000	A
				4	30	7	-	-	-	30	28	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

07:15 - 07:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	33	8	1184	985	0.034	33	33	1.5	0.1	13.305	B
				3	623	156	1184	929	0.671	638	651	1.5	1.2	12.414	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	141	35	1184	949	0.149	139	132	0.1	0.3	4.636	A
				5	84	21	1184	898	0.094	84	95	0.1	0.0	4.464	A
	CircLink	1	1	1	79	20	-	-	-	79	93	0.0	0.0	0.000	A
				2	91	23	-	-	-	91	90	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	274	69	-	-	-	274	280	0.0	0.0	0.000	A
				4	32	8	-	-	-	32	29	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	91	23	-	-	-	91	90	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	274	69	-	-	-	274	280	0.0	0.0	0.000	A
				4	32	8	-	-	-	32	29	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	33	8	-	-	-	33	33	0.0	0.0	0.000	A
				3	623	156	-	-	-	623	650	0.0	0.0	0.000	A
				4	141	35	-	-	-	141	133	0.0	0.0	0.000	A
				5	84	21	-	-	-	84	95	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	182	46	1289	831	0.219	183	178	0.1	0.0	5.279	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	25	6	1289	776	0.032	26	25	0.0	0.0	5.579	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	41	10	1289	873	0.047	41	35	0.0	0.0	5.839	A
				5	123	31	1289	827	0.148	124	128	0.1	0.0	5.494	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	33	8	-	-	-	33	33	0.0	0.0	0.000	A
				3	638	159	-	-	-	638	651	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	139	35	-	-	-	139	132	0.0	0.0	0.000	A
				5	84	21	-	-	-	84	95	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	274	69	-	-	-	274	280	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	32	8	-	-	-	32	29	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	25	6	-	-	-	25	26	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	182	46	-	-	-	182	178	0.0	0.0	0.000	A
				4	41	10	-	-	-	41	35	0.0	0.0	0.000	A
				5	123	31	-	-	-	123	127	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	131	33	1076	869	0.151	130	136	0.7	0.4	8.075	A
				5	274	69	1076	888	0.309	272	300	0.7	0.7	7.543	A
			2	1	441	110	1076	857	0.514	434	455	1.0	1.1	9.523	A
				2	65	16	1076	868	0.075	62	71	1.0	0.3	9.826	A
				3	7	2	936	417	0.018	7	14	1.0	0.0	14.431	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	441	110	-	-	-	441	456	0.0	0.0	0.139	A
				2	65	16	-	-	-	65	71	0.0	0.0	0.247	A
				3	7	2	-	-	-	7	14	0.0	0.0	0.000	A
				4	131	33	-	-	-	131	137	0.0	0.0	0.157	A
				5	275	69	-	-	-	274	302	0.0	0.0	0.143	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	183	46	-	-	-	183	178	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	26	6	-	-	-	26	25	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	41	10	-	-	-	41	35	0.0	0.0	0.000	A
				5	124	31	-	-	-	124	128	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	32	8	-	-	-	32	29	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	26	6	-	-	-	26	25	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	25	6	769	464	0.053	24	25	0.0	0.1	8.042	A
				1	146	37	769	486	0.301	150	161	1.2	0.3	14.338	B
				2	44	11	769	510	0.086	43	40	1.2	0.4	14.892	B
			2	3	137	34	769	503	0.272	135	124	1.2	0.5	14.310	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	130	32	-	-	-	130	136	0.0	0.0	0.000	A
				5	272	68	-	-	-	272	300	0.0	0.0	0.000	A
				1	434	109	-	-	-	434	455	0.0	0.0	0.000	A
				2	62	16	-	-	-	62	71	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	7	2	-	-	-	7	14	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	434	109	-	-	-	434	455	0.0	0.0	0.000	A
				2	62	16	-	-	-	62	71	0.0	0.0	0.000	A
			2	3	7	2	-	-	-	7	14	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2		1	143	36	-	-	-	146	161	0.3	0.1	7.141	A
				2	43	11	-	-	-	44	41	0.3	0.0	6.363	A
			1	3	135	34	-	-	-	137	123	0.3	0.1	5.702	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	25	6	-	-	-	25	25	0.0	0.0	4.626	A
				1	80	20	1070	591	0.136	79	93	0.2	0.1	7.074	A
				2	91	23	1070	720	0.126	91	90	0.2	0.1	6.445	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	276	69	1070	681	0.405	274	280	0.5	0.7	9.044	A
				4	33	8	1070	740	0.044	32	29	0.5	0.1	8.907	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		5	24	6	-	-	-	24	25	0.0	0.0	0.000	A
				1	150	37	-	-	-	150	161	0.0	0.0	0.000	A
				2	43	11	-	-	-	43	40	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	135	34	-	-	-	135	124	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	150	37	-	-	-	150	161	0.0	0.0	0.000	A
				2	43	11	-	-	-	43	40	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	135	34	-	-	-	135	124	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	80	20	-	-	-	80	94	0.0	0.0	0.000	A
				2	91	23	-	-	-	91	90	0.0	0.0	0.000	A
	Entry	2	1	3	276	69	-	-	-	276	281	0.0	0.0	0.000	A
				4	33	8	-	-	-	33	29	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

07:30 - 07:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	40	10	1184	940	0.043	37	37	1.3	0.5	29.627	D
				3	795	199	1184	902	0.881	763	794	1.3	8.8	31.062	D
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	143	36	1184	908	0.156	140	161	0.3	0.4	5.620	A
				5	106	26	1184	854	0.124	107	116	0.3	0.2	6.392	A
	CircLink	1	1	1	101	25	-	-	-	101	115	0.0	0.0	0.000	A
				2	98	24	-	-	-	98	98	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	352	88	-	-	-	352	352	0.0	0.0	0.000	A
				4	39	10	-	-	-	39	38	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	98	24	-	-	-	98	98	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	352	88	-	-	-	352	352	0.0	0.0	0.000	A
				4	39	10	-	-	-	39	38	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	40	10	-	-	-	40	39	0.0	0.0	0.051	A
				3	796	199	-	-	-	795	826	0.0	0.1	0.172	A
				4	143	36	-	-	-	143	162	0.0	0.0	0.260	A
				5	106	27	-	-	-	106	117	0.0	0.0	0.208	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	190	48	1289	746	0.256	194	205	0.0	0.1	6.454	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	32	8	1289	725	0.043	31	31	0.1	0.1	6.532	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	47	12	1289	771	0.062	47	46	0.0	0.0	6.190	A
				5	162	41	1289	750	0.217	164	150	0.1	0.2	6.161	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	37	9	-	-	-	37	37	0.0	0.0	0.000	A
				3	763	191	-	-	-	763	794	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	140	35	-	-	-	140	161	0.0	0.0	0.000	A
				5	107	27	-	-	-	107	116	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	352	88	-	-	-	352	352	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	39	10	-	-	-	39	38	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	32	8	-	-	-	32	31	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	190	48	-	-	-	190	205	0.0	0.0	0.000	A
				4	47	12	-	-	-	47	46	0.0	0.0	0.000	A
				5	162	41	-	-	-	162	150	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	143	36	1076	844	0.167	143	157	1.0	0.4	10.211	B
				5	364	91	1076	873	0.419	361	385	1.0	1.0	10.720	B
			2	1	523	131	1076	840	0.624	507	537	1.4	3.2	14.019	B
				2	78	20	1076	863	0.092	77	88	1.4	0.3	13.528	B
				3	8	2	983	448	0.018	10	19	0.0	0.0	18.322	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	526	132	-	-	-	523	547	0.2	0.3	0.821	A
				2	78	20	-	-	-	78	89	0.2	0.0	0.885	A
				3	8	2	-	-	-	8	19	0.0	0.0	0.607	A
				4	143	36	-	-	-	143	157	0.2	0.0	0.888	A
				5	366	91	-	-	-	364	387	0.2	0.2	1.015	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	194	48	-	-	-	194	205	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	31	8	-	-	-	31	31	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	47	12	-	-	-	47	46	0.0	0.0	0.000	A
				5	164	41	-	-	-	164	150	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	39	10	-	-	-	39	38	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	31	8	-	-	-	31	31	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	27	7	769	437	0.061	27	24	0.1	0.1	8.214	A
			2	1	161	40	769	438	0.368	159	175	1.3	0.8	16.797	C
				2	43	11	769	450	0.096	42	45	1.3	0.3	17.755	C
				3	133	33	769	442	0.302	131	140	1.3	0.8	17.987	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	143	36	-	-	-	143	157	0.0	0.0	0.000	A
				5	361	90	-	-	-	361	385	0.0	0.0	0.000	A
			2	1	507	127	-	-	-	507	537	0.0	0.0	0.000	A
				2	77	19	-	-	-	77	88	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane				3	10	2	-	-	-	10	19	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	507	127	-	-	-	507	537	0.0	0.0	0.000	A
				2	77	19	-	-	-	77	88	0.0	0.0	0.000	A
				3	10	2	-	-	-	10	19	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	172	43	-	-	-	161	177	0.2	1.3	13.195	B
				2	45	11	-	-	-	43	44	0.0	0.3	13.409	B
				3	136	34	-	-	-	133	141	0.2	0.7	14.406	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	28	7	-	-	-	27	24	0.0	0.2	11.452	B
	Entry	1	1	1	104	26	1070	557	0.185	101	115	0.3	0.3	7.492	A
				2	98	24	1070	692	0.141	98	98	0.3	0.2	7.052	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	353	88	1070	668	0.531	352	352	0.7	0.8	11.232	B
				4	39	10	1070	701	0.055	39	38	0.7	0.0	10.959	B
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	27	7	-	-	-	27	24	0.0	0.0	0.000	A
			2	1	159	40	-	-	-	159	175	0.0	0.0	0.000	A
				2	42	11	-	-	-	42	45	0.0	0.0	0.000	A
5 - A1079 (W)				3	131	33	-	-	-	131	140	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	159	40	-	-	-	159	175	0.0	0.0	0.000	A
				2	42	11	-	-	-	42	45	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	131	33	-	-	-	131	140	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	Entry	2	1	1	104	26	-	-	-	104	116	0.0	0.0	0.000	A
				2	98	24	-	-	-	98	98	0.0	0.0	0.000	A
				3	353	88	-	-	-	353	353	0.0	0.0	0.000	A
				4	39	10	-	-	-	39	37	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

07:45 - 08:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	40	10	1184	944	0.042	36	35	9.3	0.7	36.939	E
				3	767	192	1184	911	0.842	768	809	9.3	8.0	36.149	E
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	161	40	1184	923	0.174	160	166	0.7	0.2	5.672	A
				5	88	22	1184	861	0.102	90	100	0.7	0.1	6.195	A
	CircLink	1	1	1	91	23	-	-	-	91	112	0.0	0.0	0.000	A
				2	106	26	-	-	-	106	106	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	334	83	-	-	-	334	353	0.0	0.0	0.000	A
				4	29	7	-	-	-	29	34	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	106	26	-	-	-	106	106	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	334	83	-	-	-	334	353	0.0	0.0	0.000	A
				4	29	7	-	-	-	29	34	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	40	10	-	-	-	40	36	0.0	0.0	2.167	A
				3	776	194	-	-	-	767	806	0.2	0.7	2.028	A
				4	161	40	-	-	-	161	165	0.2	0.0	2.027	A
				5	90	22	-	-	-	88	100	0.2	0.1	1.717	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	188	47	1289	756	0.249	194	198	0.1	0.2	6.292	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	27	7	1289	749	0.036	27	30	0.3	0.0	8.534	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	47	12	1289	784	0.060	46	44	0.3	0.1	7.034	A
				5	134	34	1289	744	0.180	136	147	0.3	0.3	7.014	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	36	9	-	-	-	36	35	0.0	0.0	0.000	A
				3	768	192	-	-	-	768	809	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	160	40	-	-	-	160	166	0.0	0.0	0.000	A
				5	90	22	-	-	-	90	100	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	334	83	-	-	-	334	353	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	29	7	-	-	-	29	34	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	27	7	-	-	-	27	29	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	188	47	-	-	-	188	198	0.0	0.0	0.000	A
				4	47	12	-	-	-	47	45	0.0	0.0	0.000	A
				5	134	34	-	-	-	134	147	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	164	41	1076	872	0.189	161	169	1.4	0.7	9.680	A
				5	385	96	1076	870	0.443	377	384	1.4	1.3	10.823	B
			2	1	515	129	1076	863	0.597	518	557	3.5	1.3	15.347	C
				2	77	19	1076	838	0.092	75	79	3.5	0.3	14.697	B
				3	8	2	983	427	0.018	6	14	0.0	0.2	17.537	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	515	129	-	-	-	515	549	0.4	0.0	0.741	A
				2	77	19	-	-	-	77	79	0.0	0.0	0.775	A
				3	8	2	-	-	-	8	15	0.0	0.0	0.009	A
				4	164	41	-	-	-	164	170	0.0	0.0	0.741	A
				5	387	97	-	-	-	385	386	0.4	0.2	0.881	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	194	48	-	-	-	194	198	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	27	7	-	-	-	27	30	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	46	11	-	-	-	46	44	0.0	0.0	0.000	A
				5	136	34	-	-	-	136	147	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	29	7	-	-	-	29	34	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	27	7	-	-	-	27	30	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	24	6	769	428	0.057	25	23	0.1	0.1	8.174	A
				1	187	47	769	442	0.424	190	190	1.9	1.0	20.421	C
				2	44	11	769	458	0.096	43	48	1.9	0.3	18.535	C
			2	3	144	36	769	448	0.322	144	144	1.9	0.7	20.341	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	161	40	-	-	-	161	169	0.0	0.0	0.000	A
	CircLink	1		5	377	94	-	-	-	377	384	0.0	0.0	0.000	A
				1	518	130	-	-	-	518	557	0.0	0.0	0.000	A
				2	75	19	-	-	-	75	79	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	6	1	-	-	-	6	14	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	518	130	-	-	-	518	557	0.0	0.0	0.000	A
				2	75	19	-	-	-	75	79	0.0	0.0	0.000	A
			2	3	6	1	-	-	-	6	14	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	173	43	-	-	-	187	191	2.5	0.7	28.383	D
				2	44	11	-	-	-	44	48	2.5	0.5	34.079	D
	Entry	2	1	3	145	36	-	-	-	144	143	2.5	1.0	31.036	D
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	23	6	-	-	-	24	23	2.5	0.1	29.014	D
				1	94	24	1070	553	0.170	91	112	0.4	0.3	10.828	B
				2	106	27	1070	688	0.155	106	106	0.4	0.2	8.468	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	325	81	1070	657	0.494	334	353	0.8	0.8	11.497	B
				4	29	7	1070	693	0.041	29	34	0.8	0.0	10.475	B
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		5	25	6	-	-	-	25	23	0.0	0.0	0.000	A
				1	190	47	-	-	-	190	190	0.0	0.0	0.000	A
				2	43	11	-	-	-	43	48	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	144	36	-	-	-	144	144	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	190	47	-	-	-	190	190	0.0	0.0	0.000	A
				2	43	11	-	-	-	43	48	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	144	36	-	-	-	144	144	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	94	24	-	-	-	94	113	0.0	0.0	0.000	A
				2	106	27	-	-	-	106	106	0.0	0.0	0.000	A
	Entry	2	1	3	325	81	-	-	-	325	352	0.0	0.0	0.000	A
				4	29	7	-	-	-	29	34	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

08:00 - 08:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	23	6	1184	942	0.025	23	33	8.8	0.1	14.243	B
				3	616	154	1184	936	0.656	611	675	8.8	2.4	14.523	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	132	33	1184	939	0.140	129	135	0.3	0.3	5.070	A
				5	87	22	1184	871	0.100	86	97	0.3	0.2	5.231	A
	CircLink	1	1	1	79	20	-	-	-	79	89	0.0	0.0	0.000	A
				2	79	20	-	-	-	79	85	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	291	73	-	-	-	291	301	0.0	0.0	0.000	A
				4	29	7	-	-	-	29	28	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	79	20	-	-	-	79	85	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	291	73	-	-	-	291	301	0.0	0.0	0.000	A
				4	29	7	-	-	-	29	28	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	23	6	-	-	-	23	31	0.0	0.0	0.071	A
				3	616	154	-	-	-	616	651	0.9	0.0	0.230	A
				4	132	33	-	-	-	132	135	0.9	0.0	0.717	A
				5	87	22	-	-	-	87	98	0.9	0.0	0.738	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	155	39	1289	843	0.184	154	170	0.2	0.3	5.874	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	26	6	1289	816	0.031	27	24	0.5	0.0	6.529	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	39	10	1289	863	0.045	39	35	0.5	0.2	5.566	A
				5	117	29	1289	807	0.145	117	130	0.5	0.3	5.683	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	23	6	-	-	-	23	33	0.0	0.0	0.000	A
				3	611	153	-	-	-	611	675	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	129	32	-	-	-	129	135	0.0	0.0	0.000	A
				5	86	22	-	-	-	86	97	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	291	73	-	-	-	291	301	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	29	7	-	-	-	29	28	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	26	6	-	-	-	26	24	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	155	39	-	-	-	155	170	0.0	0.0	0.000	A
				4	39	10	-	-	-	39	35	0.0	0.0	0.000	A
				5	117	29	-	-	-	117	130	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	123	31	1076	879	0.139	123	137	2.0	0.4	9.123	A
				5	322	81	1076	898	0.360	323	331	2.0	0.6	8.637	A
			2	1	407	102	1076	859	0.473	398	455	1.9	1.3	9.426	A
				2	68	17	1076	876	0.077	67	66	1.9	0.2	10.229	B
				3	5	1	842	391	0.013	5	12	1.9	0.0	14.005	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	407	102	-	-	-	407	455	0.2	0.0	0.104	A
				2	68	17	-	-	-	68	66	0.0	0.0	0.053	A
				3	5	1	-	-	-	5	10	0.0	0.0	0.912	A
				4	123	31	-	-	-	123	137	0.0	0.0	0.069	A
				5	322	81	-	-	-	322	327	0.2	0.0	0.070	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	154	39	-	-	-	154	170	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	27	7	-	-	-	27	24	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	39	10	-	-	-	39	35	0.0	0.0	0.000	A
				5	117	29	-	-	-	117	130	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	29	7	-	-	-	29	28	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	27	7	-	-	-	27	24	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	22	5	769	482	0.045	22	25	0.1	0.0	7.839	A
	Entry	1		1	140	35	769	490	0.285	137	159	2.0	0.8	15.766	C
				2	30	8	769	516	0.059	29	35	2.0	0.1	15.281	C
			2	3	116	29	769	494	0.237	119	117	2.0	0.5	14.904	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	123	31	-	-	-	123	137	0.0	0.0	0.000	A
				5	323	81	-	-	-	323	331	0.0	0.0	0.000	A
	CircLink	1		1	398	99	-	-	-	398	455	0.0	0.0	0.000	A
				2	67	17	-	-	-	67	66	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	5	1	-	-	-	5	12	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	398	99	-	-	-	398	455	0.0	0.0	0.000	A
				2	67	17	-	-	-	67	66	0.0	0.0	0.000	A
			2	3	5	1	-	-	-	5	12	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	141	35	-	-	-	140	158	2.3	0.2	9.675	A
				2	30	8	-	-	-	30	34	2.3	0.0	9.956	A
	Entry	2	1	3	118	30	-	-	-	116	116	2.3	0.3	7.336	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	22	5	-	-	-	22	25	2.3	0.0	5.671	A
				1	78	20	1070	614	0.128	79	89	0.5	0.1	8.044	A
				2	82	20	1070	742	0.110	79	85	0.5	0.2	6.904	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	293	73	1070	702	0.419	291	301	0.8	0.8	9.329	A
				4	28	7	1070	748	0.038	29	28	0.8	0.2	9.018	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		5	22	6	-	-	-	22	25	0.0	0.0	0.000	A
				1	137	34	-	-	-	137	159	0.0	0.0	0.000	A
				2	29	7	-	-	-	29	35	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	119	30	-	-	-	119	117	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	137	34	-	-	-	137	159	0.0	0.0	0.000	A
				2	29	7	-	-	-	29	35	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	119	30	-	-	-	119	117	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	78	20	-	-	-	78	88	0.0	0.0	0.000	A
				2	82	20	-	-	-	82	85	0.0	0.0	0.000	A
	Entry	2	1	3	293	73	-	-	-	293	301	0.0	0.0	0.000	A
				4	28	7	-	-	-	28	29	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

08:15 - 08:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	22	6	1184	999	0.023	22	24	2.6	0.1	8.949	A
				3	547	137	1184	969	0.565	558	561	2.6	1.0	9.310	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	105	26	1184	993	0.106	104	116	0.5	0.1	4.043	A
				5	76	19	1184	920	0.082	76	77	0.5	0.1	4.511	A
	CircLink	1	1	1	73	18	-	-	-	73	75	0.0	0.0	0.000	A
				2	73	18	-	-	-	73	72	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	233	58	-	-	-	233	246	0.0	0.0	0.000	A
				4	30	7	-	-	-	30	24	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	73	18	-	-	-	73	72	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	233	58	-	-	-	233	246	0.0	0.0	0.000	A
				4	30	7	-	-	-	30	24	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	22	6	-	-	-	22	24	0.0	0.0	0.000	A
				3	547	137	-	-	-	547	555	0.0	0.0	0.000	A
				4	105	26	-	-	-	105	116	0.0	0.0	0.000	A
				5	76	19	-	-	-	76	76	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	140	35	1289	891	0.157	139	141	0.3	0.3	4.921	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	19	5	1289	899	0.021	19	20	0.5	0.0	4.764	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	28	7	1289	936	0.030	27	30	0.5	0.1	5.017	A
				5	93	23	1289	882	0.105	92	102	0.5	0.1	5.337	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	22	6	-	-	-	22	24	0.0	0.0	0.000	A
				3	558	139	-	-	-	558	561	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	104	26	-	-	-	104	116	0.0	0.0	0.000	A
				5	76	19	-	-	-	76	77	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	233	58	-	-	-	233	246	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	30	7	-	-	-	30	24	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	19	5	-	-	-	19	20	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	140	35	-	-	-	140	141	0.0	0.0	0.000	A
				4	28	7	-	-	-	28	30	0.0	0.0	0.000	A
				5	93	23	-	-	-	93	101	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	116	29	1076	925	0.127	119	119	1.1	0.2	7.221	A
				5	257	64	1076	917	0.280	257	277	1.1	0.3	6.467	A
			2	1	359	90	1076	891	0.403	354	389	1.5	0.7	7.837	A
				2	54	13	1076	843	0.064	54	59	1.5	0.0	7.936	A
				3	4	1	702	338	0.011	4	9	0.0	0.0	9.081	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	359	90	-	-	-	359	386	0.0	0.0	0.098	A
				2	54	13	-	-	-	54	59	0.0	0.0	0.019	A
				3	4	1	-	-	-	4	9	0.0	0.0	0.000	A
				4	116	29	-	-	-	116	118	0.0	0.0	0.039	A
				5	257	64	-	-	-	257	275	0.0	0.0	0.134	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	139	35	-	-	-	139	141	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	19	5	-	-	-	19	20	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	27	7	-	-	-	27	30	0.0	0.0	0.000	A
				5	92	23	-	-	-	92	102	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	30	7	-	-	-	30	24	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	19	5	-	-	-	19	20	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	14	4	769	491	0.029	14	18	0.0	0.0	9.074	A
				1	112	28	769	542	0.205	111	131	1.4	0.4	12.446	B
				2	31	8	769	555	0.055	31	31	1.4	0.1	11.890	B
			2	3	97	24	769	543	0.179	95	90	1.4	0.3	11.470	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	119	30	-	-	-	119	119	0.0	0.0	0.000	A
	CircLink	1		5	257	64	-	-	-	257	277	0.0	0.0	0.000	A
				1	354	88	-	-	-	354	389	0.0	0.0	0.000	A
				2	54	13	-	-	-	54	59	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	4	1	-	-	-	4	9	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	354	88	-	-	-	354	389	0.0	0.0	0.000	A
				2	54	13	-	-	-	54	59	0.0	0.0	0.000	A
			2	3	4	1	-	-	-	4	9	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	111	28	-	-	-	112	129	0.6	0.0	1.558	A
				2	31	8	-	-	-	31	31	0.6	0.0	1.786	A
	Entry	2	1	3	98	25	-	-	-	97	89	0.6	0.2	2.029	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	14	3	-	-	-	14	18	0.0	0.0	1.517	A
				1	71	18	1070	649	0.109	73	75	0.3	0.0	6.526	A
				2	75	19	1070	761	0.098	73	72	0.3	0.3	5.779	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	236	59	1070	723	0.328	233	246	1.0	0.7	8.085	A
				4	29	7	1070	780	0.037	30	24	1.0	0.0	6.121	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		5	14	4	-	-	-	14	18	0.0	0.0	0.000	A
				1	111	28	-	-	-	111	131	0.0	0.0	0.000	A
				2	31	8	-	-	-	31	31	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	95	24	-	-	-	95	90	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	111	28	-	-	-	111	131	0.0	0.0	0.000	A
				2	31	8	-	-	-	31	31	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	95	24	-	-	-	95	90	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	71	18	-	-	-	71	75	0.0	0.0	0.000	A
				2	75	19	-	-	-	75	72	0.0	0.0	0.000	A
	Entry	2	1	3	236	59	-	-	-	236	246	0.0	0.0	0.000	A
				4	29	7	-	-	-	29	24	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

Base 2026 + Committed Development + Isolation Scenario, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.
Info	Simulation	A1 - [Lane Simulation]	This run uses Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	Killingwoldgraves Roundabout	Standard Roundabout	✓	1, 2, 3, 4, 5	37.44	E

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	37.44	E

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D6	Base 2026 + Committed Development + Isolation Scenario	PM	ONE HOUR	16:15	17:45	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1 - A1035 (N)		ONE HOUR	✓	759	100.000
2 - A1174 (E)		ONE HOUR	✓	364	100.000
3 - A1079 (S)		ONE HOUR	✓	953	100.000
4 - Killingwoldgraves Lane		ONE HOUR	✓	473	100.000
5 - A1079 (W)		ONE HOUR	✓	721	100.000

Origin-Destination Data

Demand (Veh/hr)

		To				
		1 - A1035 (N)	2 - A1174 (E)	3 - A1079 (S)	4 - Killingwoldgraves Lane	5 - A1079 (W)
From	1 - A1035 (N)	0	31	523	128	77
	2 - A1174 (E)	36	0	135	51	142
	3 - A1079 (S)	421	130	43	104	255
	4 - Killingwoldgraves Lane	238	84	124	0	27
	5 - A1079 (W)	129	177	402	13	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80

Heavy Vehicle %

		To				
		1 - A1035 (N)	2 - A1174 (E)	3 - A1079 (S)	4 - Killingwoldgraves Lane	5 - A1079 (W)
From	1 - A1035 (N)	0	0	4	2	11
	2 - A1174 (E)	0	0	2	0	4
	3 - A1079 (S)	3	4	16	2	4
	4 - Killingwoldgraves Lane	1	0	2	0	4
	5 - A1079 (W)	8	5	5	0	0

Cyclist %

		To				
		1 - A1035 (N)	2 - A1174 (E)	3 - A1079 (S)	4 - Killingwoldgraves Lane	5 - A1079 (W)
From	1 - A1035 (N)	0	0	0	0	0
	2 - A1174 (E)	0	0	0	0	0
	3 - A1079 (S)	0	0	0	0	0
	4 - Killingwoldgraves Lane	0	0	0	0	0
	5 - A1079 (W)	0	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
1 - A1035 (N)	14.01	4.2	18.2	B	688	1032
2 - A1174 (E)	6.56	0.9	7.8	A	337	505
3 - A1079 (S)	13.11	3.9	13.5	B	882	1323
4 - Killingwoldgraves Lane	183.92	28.3	79.8	F	425	637
5 - A1079 (W)	18.07	5.0	39.9	C	656	984

Main Results for each time segment

16:15 - 16:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	569	142	716	570	600	611	0.0	1.0	6.535	A
2 - A1174 (E)	283	71	981	285	284	304	0.0	0.3	4.512	A
3 - A1079 (S)	707	177	349	699	725	917	0.0	1.9	6.559	A
4 - Killingwoldgraves Lane	348	87	823	352	363	226	0.0	1.7	16.198	C
5 - A1079 (W)	532	133	789	539	568	387	0.0	1.0	7.535	A

16:30 - 16:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	671	168	841	674	712	774	1.0	1.8	8.721	A
2 - A1174 (E)	342	85	1151	344	346	364	0.3	0.4	5.150	A
3 - A1079 (S)	876	219	423	877	890	1072	1.9	1.7	8.438	A
4 - Killingwoldgraves Lane	409	102	1013	422	409	287	1.7	3.1	23.676	C
5 - A1079 (W)	637	159	977	637	682	458	1.0	1.4	10.397	B

16:45 - 17:00

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	817	204	1051	804	838	890	1.8	4.2	13.875	B
2 - A1174 (E)	396	99	1380	399	399	475	0.4	0.7	6.032	A
3 - A1079 (S)	1028	257	483	1034	1058	1295	1.7	3.2	12.001	B
4 - Killingwoldgraves Lane	523	131	1180	481	481	336	3.1	14.4	72.178	F
5 - A1079 (W)	816	204	1141	800	845	520	1.4	4.8	17.685	C

17:00 - 17:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	828	207	1039	835	879	909	4.2	2.5	14.010	B
2 - A1174 (E)	399	100	1413	396	411	460	0.7	0.9	6.563	A
3 - A1079 (S)	1047	262	496	1056	1105	1314	3.2	4.0	13.106	B
4 - Killingwoldgraves Lane	504	126	1250	463	476	303	14.4	28.3	183.921	F
5 - A1079 (W)	816	204	1145	803	836	568	4.8	4.1	18.068	C

17:15 - 17:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	689	172	872	688	717	771	2.5	1.3	8.823	A
2 - A1174 (E)	331	83	1181	328	342	380	0.9	0.6	5.595	A
3 - A1079 (S)	880	220	392	888	902	1116	4.0	1.9	8.630	A
4 - Killingwoldgraves Lane	403	101	1016	491	505	265	28.3	9.9	132.843	F
5 - A1079 (W)	596	149	1043	599	681	463	4.1	2.0	12.002	B

17:30 - 17:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	549	137	742	545	593	616	1.3	1.0	6.251	A
2 - A1174 (E)	272	68	954	273	282	333	0.6	0.2	4.628	A
3 - A1079 (S)	751	188	340	746	748	888	1.9	1.5	6.653	A
4 - Killingwoldgraves Lane	356	89	858	353	388	228	9.9	2.1	30.037	D
5 - A1079 (W)	538	134	821	536	573	390	2.0	1.5	8.160	A

Queue Variation Results for each time segment

16:15 - 16:30

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	1.00	0.00	0.21	2.33	3.84
2 - A1174 (E)	0.29	0.00	0.00	0.70	1.94
3 - A1079 (S)	1.95	0.00	0.58	3.73	13.39
4 - Killingwoldgraves Lane	1.71	0.00	0.64	2.85	11.78
5 - A1079 (W)	0.98	0.00	0.12	2.85	2.85

16:30 - 16:45

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	1.84	0.00	0.88	4.26	7.66
2 - A1174 (E)	0.43	0.00	0.00	0.89	1.96
3 - A1079 (S)	1.69	0.00	0.62	3.54	7.75
4 - Killingwoldgraves Lane	3.15	0.00	1.29	6.82	15.82
5 - A1079 (W)	1.41	0.00	0.60	3.27	4.76

16:45 - 17:00

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	4.19	0.00	2.72	9.88	18.22
2 - A1174 (E)	0.76	0.00	0.00	1.28	7.85
3 - A1079 (S)	3.21	0.00	2.21	6.88	10.59
4 - Killingwoldgraves Lane	14.58	0.35	11.35	26.94	38.48
5 - A1079 (W)	4.93	0.00	2.24	7.31	39.62

17:00 - 17:15

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	2.62	0.00	0.72	6.83	10.50
2 - A1174 (E)	0.90	0.00	0.16	2.08	3.87
3 - A1079 (S)	3.93	0.11	2.41	7.05	13.52
4 - Killingwoldgraves Lane	28.25	2.31	26.05	49.05	79.62
5 - A1079 (W)	4.16	0.00	2.57	10.38	13.33

17:15 - 17:30

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	1.40	0.00	0.68	3.06	4.85
2 - A1174 (E)	0.62	0.00	0.00	1.74	2.96
3 - A1079 (S)	1.84	0.00	0.79	4.43	6.67
4 - Killingwoldgraves Lane	10.04	0.00	4.19	22.85	49.24
5 - A1079 (W)	1.86	0.00	0.77	3.66	6.64

17:30 - 17:45

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	1.07	0.00	0.16	2.21	6.71
2 - A1174 (E)	0.25	0.00	0.00	0.64	1.95
3 - A1079 (S)	1.49	0.00	0.81	2.65	4.79
4 - Killingwoldgraves Lane	2.11	0.00	1.07	4.23	10.82
5 - A1079 (W)	1.59	0.00	0.89	2.69	6.67

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

16:15 - 16:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	400	925	0.434	400	426	0.0	0.8	7.168	A
			2	1, 4, 5	168	896	0.188	170	174	0.0	0.1	4.939	A
		2	1	(1, 2, 3, 4, 5)	569			569	604	0.0	0.0	0.000	A
	Exit	1	1		611			611	631	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	896			896	928	0.0	0.0	0.000	A
			2	3, 4, 5	430			430	458	0.0	0.0	0.000	A
	CircBase	1	1	2	286			286	296	0.0	0.0	0.000	A
			2	3, 4, 5	430			430	458	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	116	923	0.126	116	110	0.0	0.2	4.437	A
			2	1, 2, 4, 5	166	942	0.176	169	174	0.0	0.1	4.560	A
		2	1	(1, 2, 3, 4, 5)	283			283	285	0.0	0.0	0.000	A
	Exit	1	1		304			304	317	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1105			1105	1170	0.0	0.0	0.000	A
			2	1, 4, 5	180			180	184	0.0	0.0	0.000	A
	CircBase	1	1	3	801			801	853	0.0	0.0	0.000	A
			2	1, 4, 5	180			180	184	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	270	945	0.286	270	275	0.0	0.5	5.568	A
			2	1, 2, 3	437	925	0.474	429	450	0.0	1.4	7.164	A
		2	1	(1, 2, 3, 4, 5)	707			707	733	0.0	0.0	0.001	A
	Exit	1	1		917			917	963	0.0	0.0	0.000	A
	CircLink	1	1	3	917			917	963	0.0	0.0	0.000	A
			2	1, 2, 4, 5	349			349	358	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	324			324	332	0.0	0.0	0.000	A
			2	1, 2	25			25	27	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	18	526	0.035	18	21	0.0	0.1	7.789	A
			2	1, 2, 3	330	557	0.593	334	342	0.0	1.1	12.532	B
	Exit	1	1		226			226	231	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	594			594	607	0.0	0.0	0.000	A
			2	1, 2, 3	455			455	476	0.0	0.0	0.000	A
	CircBase	1	1	5	368			368	376	0.0	0.0	0.000	A
			2	1, 2, 3	455			455	476	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	348			348	368	0.0	0.5	3.884	A
5 - A1079 (W)	Entry	1	1	1, 2	224	710	0.317	228	243	0.0	0.3	6.977	A
			2	3, 4, 5	308	713	0.430	310	325	0.0	0.6	7.950	A
	CircBase	1	1	1, 2	668			668	685	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	532			532	572	0.0	0.0	0.000	A
	Exit	1	1		387			387	396	0.0	0.0	0.000	A
	CircLink	1	1	5	387			387	396	0.0	0.0	0.000	A
			2	1, 2, 3, 4	789			789	818	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	120			120	133	0.0	0.0	0.000	A

16:30 - 16:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	483	887	0.544	485	518	0.8	1.6	9.918	A
			2	1, 4, 5	187	854	0.220	188	194	0.1	0.2	5.409	A
		2	1	(1, 2, 3, 4, 5)	671			671	716	0.0	0.0	0.000	A
	Exit	1	1		774			774	768	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	1112			1112	1122	0.0	0.0	0.000	A
			2	3, 4, 5	503			503	535	0.0	0.0	0.000	A
	CircBase	1	1	2	338			338	353	0.0	0.0	0.000	A
			2	3, 4, 5	503			503	535	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	122	894	0.137	123	120	0.2	0.2	4.742	A
			2	1, 2, 4, 5	219	883	0.249	222	227	0.1	0.2	5.370	A
		2	1	(1, 2, 3, 4, 5)	342			342	347	0.0	0.0	0.000	A
	Exit	1	1		364			364	380	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1313			1313	1395	0.0	0.0	0.000	A
			2	1, 4, 5	202			202	206	0.0	0.0	0.000	A
	CircBase	1	1	3	949			949	1015	0.0	0.0	0.000	A
			2	1, 4, 5	202			202	206	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	332	929	0.357	329	332	0.5	0.6	5.858	A
			2	1, 2, 3	544	921	0.592	548	558	1.4	1.1	9.953	A
		2	1	(1, 2, 3, 4, 5)	876			876	889	0.0	0.0	0.022	A
	Exit	1	1		1072			1072	1134	0.0	0.0	0.000	A
	CircLink	1	1	3	1072			1072	1134	0.0	0.0	0.000	A
			2	1, 2, 4, 5	423			423	433	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	391			391	397	0.0	0.0	0.000	A
			2	1, 2	32			32	35	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	23	511	0.044	24	27	0.1	0.0	7.388	A
			2	1, 2, 3	396	515	0.769	398	382	1.1	1.7	14.592	B
	Exit	1	1		287			287	274	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	720			720	729	0.0	0.0	0.000	A
			2	1, 2, 3	580			580	594	0.0	0.0	0.000	A
	CircBase	1	1	5	433			433	455	0.0	0.0	0.000	A
			2	1, 2, 3	580			580	594	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	409			419	411	0.5	1.4	9.467	A
5 - A1079 (W)	Entry	1	1	1, 2	273	668	0.409	275	291	0.3	0.4	9.504	A
			2	3, 4, 5	364	675	0.537	363	390	0.6	1.0	11.054	B
	CircBase	1	1	1, 2	837			837	831	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	637			637	683	0.0	0.0	0.000	A
	Exit	1	1		458			458	482	0.0	0.0	0.000	A
	CircLink	1	1	5	458			458	482	0.0	0.0	0.000	A
			2	1, 2, 3, 4	977			977	976	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	140			140	145	0.0	0.0	0.000	A

16:45 - 17:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	605	819	0.741	592	618	1.6	3.6	16.464	C
			2	1, 4, 5	212	802	0.264	212	220	0.2	0.6	6.402	A
		2	1	(1, 2, 3, 4, 5)	817			817	848	0.0	0.0	0.000	A
	Exit	1	1		890			890	891	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	1330			1330	1336	0.0	0.0	0.000	A
			2	3, 4, 5	611			611	663	0.0	0.0	0.000	A
	CircBase	1	1	2	440			440	445	0.0	0.0	0.000	A
			2	3, 4, 5	611			611	663	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	140	801	0.174	142	154	0.2	0.2	5.706	A
			2	1, 2, 4, 5	256	819	0.313	256	245	0.2	0.5	6.233	A
		2	1	(1, 2, 3, 4, 5)	396			396	401	0.0	0.0	0.000	A
	Exit	1	1		475			475	477	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1628			1628	1711	0.0	0.0	0.000	A
			2	1, 4, 5	229			229	235	0.0	0.0	0.000	A
	CircBase	1	1	3	1152			1152	1235	0.0	0.0	0.000	A
			2	1, 4, 5	229			229	235	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	394	903	0.436	393	396	0.6	0.6	5.907	A
			2	1, 2, 3	636	904	0.703	641	662	1.1	2.5	14.367	B
		2	1	(1, 2, 3, 4, 5)	1028			1030	1064	0.0	0.0	0.779	A
	Exit	1	1		1295			1295	1389	0.0	0.0	0.000	A
	CircLink	1	1	3	1295			1295	1389	0.0	0.0	0.000	A
			2	1, 2, 4, 5	483			483	480	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	434			434	440	0.0	0.0	0.000	A
			2	1, 2	49			49	40	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	29	452	0.066	29	28	0.0	0.0	8.317	A
			2	1, 2, 3	451	474	0.953	451	452	1.7	2.7	20.718	C
	Exit	1	1		336			336	319	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	827			827	836	0.0	0.0	0.000	A
			2	1, 2, 3	689			689	702	0.0	0.0	0.000	A
	CircBase	1	1	5	490			490	517	0.0	0.0	0.000	A
			2	1, 2, 3	689			689	702	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	523			480	485	1.4	11.7	52.055	F
5 - A1079 (W)	Entry	1	1	1, 2	358	624	0.574	360	369	0.4	0.8	11.585	B
			2	3, 4, 5	447	628	0.709	439	476	1.0	3.0	20.471	C
	CircBase	1	1	1, 2	969			969	967	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	816			805	856	0.0	0.9	0.901	A
	Exit	1	1		520			520	545	0.0	0.0	0.000	A
	CircLink	1	1	5	520			520	545	0.0	0.0	0.000	A
			2	1, 2, 3, 4	1141			1141	1154	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	172			172	187	0.0	0.0	0.000	A

17:00 - 17:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	593	822	0.721	601	634	3.6	2.3	16.502	C
			2	1, 4, 5	235	798	0.295	234	245	0.6	0.2	7.240	A
		2	1	(1, 2, 3, 4, 5)	828			828	872	0.0	0.0	0.063	A
	Exit	1	1		909			909	923	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	1336			1336	1362	0.0	0.0	0.000	A
			2	3, 4, 5	612			612	662	0.0	0.0	0.000	A
	CircBase	1	1	2	426			426	439	0.0	0.0	0.000	A
			2	3, 4, 5	612			612	662	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	147	798	0.185	148	151	0.2	0.2	5.729	A
			2	1, 2, 4, 5	252	791	0.318	249	260	0.5	0.7	7.050	A
		2	1	(1, 2, 3, 4, 5)	399			399	412	0.0	0.0	0.000	A
	Exit	1	1		460			460	473	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1627			1627	1722	0.0	0.0	0.000	A
			2	1, 4, 5	248			248	257	0.0	0.0	0.000	A
	CircBase	1	1	3	1166			1166	1249	0.0	0.0	0.000	A
			2	1, 4, 5	248			248	257	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	384	905	0.426	389	409	0.6	0.7	7.536	A
			2	1, 2, 3	670	897	0.746	667	696	2.5	3.1	14.990	B
		2	1	(1, 2, 3, 4, 5)	1047			1054	1107	0.0	0.2	0.857	A
	Exit	1	1		1314			1314	1400	0.0	0.0	0.000	A
	CircLink	1	1	3	1314			1314	1400	0.0	0.0	0.000	A
			2	1, 2, 4, 5	496			496	518	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	453			453	474	0.0	0.0	0.000	A
			2	1, 2	44			44	44	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	27	433	0.063	28	29	0.0	0.1	8.189	A
			2	1, 2, 3	436	455	0.958	435	447	2.7	3.0	23.369	C
	Exit	1	1		303			303	325	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	842			842	882	0.0	0.0	0.000	A
			2	1, 2, 3	711			711	740	0.0	0.0	0.000	A
	CircBase	1	1	5	541			541	557	0.0	0.0	0.000	A
			2	1, 2, 3	711			711	740	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	504			463	477	11.7	25.3	161.566	F
5 - A1079 (W)	Entry	1	1	1, 2	353	630	0.563	356	363	0.8	1.1	13.773	B
			2	3, 4, 5	465	631	0.737	447	474	3.0	3.0	21.116	C
	CircBase	1	1	1, 2	980			980	999	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	816			819	837	0.9	0.0	0.271	A
	Exit	1	1		568			568	587	0.0	0.0	0.000	A
	CircLink	1	1	5	568			568	587	0.0	0.0	0.000	A
			2	1, 2, 3, 4	1145			1145	1187	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	165			165	188	0.0	0.0	0.000	A

17:15 - 17:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	507	883	0.575	505	527	2.3	1.1	10.104	B
			2	1, 4, 5	181	872	0.209	183	190	0.2	0.3	5.221	A
		2	1	(1, 2, 3, 4, 5)	689			689	712	0.0	0.0	0.000	A
	Exit	1	1		771			771	785	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	1121			1121	1161	0.0	0.0	0.000	A
			2	3, 4, 5	521			521	588	0.0	0.0	0.000	A
	CircBase	1	1	2	351			351	376	0.0	0.0	0.000	A
			2	3, 4, 5	521			521	588	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	126	887	0.141	127	127	0.2	0.2	5.084	A
			2	1, 2, 4, 5	205	886	0.231	201	215	0.7	0.4	5.900	A
		2	1	(1, 2, 3, 4, 5)	331			331	341	0.0	0.0	0.000	A
	Exit	1	1		380			380	408	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1368			1368	1481	0.0	0.0	0.000	A
			2	1, 4, 5	191			191	200	0.0	0.0	0.000	A
	CircBase	1	1	3	989			989	1072	0.0	0.0	0.000	A
			2	1, 4, 5	191			191	200	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	342	928	0.367	341	345	0.7	0.9	6.578	A
			2	1, 2, 3	539	914	0.589	547	557	3.1	1.0	9.776	A
		2	1	(1, 2, 3, 4, 5)	880			880	894	0.2	0.0	0.124	A
	Exit	1	1		1116			1116	1200	0.0	0.0	0.000	A
	CircLink	1	1	3	1116			1116	1200	0.0	0.0	0.000	A
			2	1, 2, 4, 5	392			392	415	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	360			360	381	0.0	0.0	0.000	A
			2	1, 2	32			32	34	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	27	472	0.057	27	29	0.1	0.0	8.093	A
			2	1, 2, 3	460	513	0.896	464	476	3.0	2.2	19.630	C
	Exit	1	1		265			265	264	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	701			701	726	0.0	0.0	0.000	A
			2	1, 2, 3	579			579	591	0.0	0.0	0.000	A
	CircBase	1	1	5	436			436	461	0.0	0.0	0.000	A
			2	1, 2, 3	579			579	591	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	403			487	502	25.3	7.6	114.429	F
5 - A1079 (W)	Entry	1	1	1, 2	257	645	0.398	255	283	1.1	0.9	9.821	A
			2	3, 4, 5	340	660	0.513	344	399	3.0	1.1	13.525	B
	CircBase	1	1	1, 2	867			867	878	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	596			596	671	0.0	0.0	0.018	A
	Exit	1	1		463			463	490	0.0	0.0	0.000	A
	CircLink	1	1	5	463			463	490	0.0	0.0	0.000	A
			2	1, 2, 3, 4	1043			1043	1067	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	176			176	189	0.0	0.0	0.000	A

17:30 - 17:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	395	913	0.433	391	427	1.1	0.7	6.724	A
			2	1, 4, 5	155	902	0.171	154	166	0.3	0.3	5.008	A
		2	1	(1, 2, 3, 4, 5)	549			549	591	0.0	0.0	0.000	A
	Exit	1	1		616			616	643	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	923			923	956	0.0	0.0	0.000	A
			2	3, 4, 5	435			435	469	0.0	0.0	0.000	A
	CircBase	1	1	2	307			307	313	0.0	0.0	0.000	A
			2	3, 4, 5	435			435	469	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	98	944	0.105	99	107	0.2	0.1	4.155	A
			2	1, 2, 4, 5	174	952	0.183	175	175	0.4	0.1	4.916	A
		2	1	(1, 2, 3, 4, 5)	272			272	280	0.0	0.0	0.000	A
	Exit	1	1		333			333	335	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1123			1123	1198	0.0	0.0	0.000	A
			2	1, 4, 5	165			165	177	0.0	0.0	0.000	A
	CircBase	1	1	3	790			790	864	0.0	0.0	0.000	A
			2	1, 4, 5	165			165	177	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	295	935	0.315	290	287	0.9	0.5	5.474	A
			2	1, 2, 3	456	939	0.485	456	461	1.0	1.0	7.366	A
		2	1	(1, 2, 3, 4, 5)	751			751	746	0.0	0.0	0.009	A
	Exit	1	1		888			888	970	0.0	0.0	0.000	A
	CircLink	1	1	3	888			888	970	0.0	0.0	0.000	A
			2	1, 2, 4, 5	340			340	352	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	309			309	324	0.0	0.0	0.000	A
			2	1, 2	31			31	28	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	20	545	0.037	19	25	0.0	0.1	10.178	B
			2	1, 2, 3	337	549	0.613	334	363	2.2	1.5	14.132	B
	Exit	1	1		228			228	229	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	599			599	611	0.0	0.0	0.000	A
			2	1, 2, 3	487			487	489	0.0	0.0	0.000	A
	CircBase	1	1	5	371			371	382	0.0	0.0	0.000	A
			2	1, 2, 3	487			487	489	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	356			358	385	7.6	0.5	16.429	C
5 - A1079 (W)	Entry	1	1	1, 2	236	698	0.338	236	245	0.9	0.7	7.468	A
			2	3, 4, 5	300	723	0.416	300	328	1.1	0.8	8.668	A
	CircBase	1	1	1, 2	687			687	711	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	538			538	572	0.0	0.0	0.000	A
	Exit	1	1		390			390	407	0.0	0.0	0.000	A
	CircLink	1	1	5	390			390	407	0.0	0.0	0.000	A
			2	1, 2, 3, 4	821			821	852	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	135			135	141	0.0	0.0	0.000	A

Lanes: Queue Variation Results for each time segment

16:15 - 16:30

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	0.86	0.00	-0.08	2.08	3.88
			2	0.14	0.00	0.00	0.94	0.94
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.18	0.00	0.00	0.42	1.92
			2	0.11	0.00	0.00	0.98	0.98
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.50	0.00	0.00	0.86	5.81
			2	1.44	0.00	0.24	3.70	7.58
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.10	0.00	0.00	0.00	1.86
			2	1.09	0.00	0.49	2.95	2.95
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.51	0.00	0.00	0.59	8.84
5 - A1079 (W)	Entry	1	1	0.35	0.00	0.00	0.74	1.88
			2	0.63	0.00	0.00	1.89	1.89
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

16:30 - 16:45

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	1.61	0.00	0.40	4.45	6.76
			2	0.24	0.00	0.00	0.71	1.86
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.22	0.00	0.00	0.57	1.97
			2	0.22	0.00	0.00	0.97	0.97
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.58	0.00	0.00	1.27	2.92
			2	1.11	0.00	0.00	3.19	7.72
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.04	0.00	0.00	0.00	0.98
			2	1.68	0.00	1.29	2.97	2.97
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	1.43	0.00	0.00	3.85	12.85
5 - A1079 (W)	Entry	1	1	0.45	0.00	0.00	1.56	3.78
			2	0.95	0.00	-0.12	2.32	3.82
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

16:45 - 17:00

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	3.64	0.00	1.69	9.93	18.33
			2	0.56	0.00	0.00	1.23	4.72
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.21	0.00	0.00	0.42	2.90
			2	0.55	0.00	0.00	0.85	7.90
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.64	0.00	0.00	1.38	3.85
			2	2.53	0.00	1.08	5.73	9.63
		2	1	0.04	0.00	0.00	0.00	0.96
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.07	0.00	0.00	0.00	1.89
			2	2.78	0.35	2.96	2.96	2.96
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	11.68	0.00	8.35	23.88	35.38
5 - A1079 (W)	Entry	1	1	0.91	0.00	-0.07	1.72	5.64
			2	3.08	0.00	1.77	6.29	14.20
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.94	0.00	0.00	0.00	25.49
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

17:00 - 17:15

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	2.39	0.00	0.72	6.06	10.59
			2	0.24	0.00	0.00	0.72	1.87
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.22	0.00	0.00	0.56	1.95
			2	0.68	0.00	0.00	1.60	3.87
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.68	0.00	0.00	1.53	3.88
			2	3.06	0.00	1.68	6.06	9.62
		2	1	0.18	0.00	0.00	0.00	2.89
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.07	0.00	0.00	0.00	0.94
			2	2.92	2.96	2.96	2.96	2.96
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	25.29	0.00	23.12	46.15	76.75
5 - A1079 (W)	Entry	1	1	1.13	0.00	0.48	2.85	2.85
			2	3.03	0.00	1.19	9.81	13.34
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

17:15 - 17:30

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	1.08	0.00	0.29	2.24	4.87
			2	0.32	0.00	0.00	0.64	3.85
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.18	0.00	0.00	0.43	1.97
			2	0.44	0.00	0.00	0.90	1.97
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.82	0.00	0.00	2.21	3.84
			2	1.02	0.00	-0.12	2.30	5.68
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.03	0.00	0.00	0.00	0.91
			2	2.27	0.00	2.97	2.97	2.97
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	7.73	0.00	1.23	19.88	45.27
5 - A1079 (W)	Entry	1	1	0.83	0.00	0.06	2.81	2.81
			2	1.03	0.00	0.08	2.55	4.80
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

17:30 - 17:45

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	0.78	0.00	0.00	2.21	3.85
			2	0.28	0.00	0.00	0.62	3.80
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.11	0.00	0.00	0.00	1.94
			2	0.14	0.00	0.00	0.98	0.98
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.49	0.00	0.00	1.50	2.86
			2	0.99	0.00	0.37	1.81	3.84
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.11	0.00	0.00	0.98	0.98
			2	1.49	0.00	0.89	2.95	2.95
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.51	0.00	0.00	1.28	7.88
5 - A1079 (W)	Entry	1	1	0.76	0.00	0.00	2.01	4.67
			2	0.83	0.00	-0.06	2.08	4.84
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

Lane movements: Main Results for each time segment

16:15 - 16:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	19	5	1184	956	0.020	19	21	0.0	0.0	7.014	A
				3	381	95	1184	928	0.413	382	405	0.0	0.8	7.176	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	103	26	1184	921	0.112	104	107	0.0	0.1	4.726	A
				5	65	16	1184	861	0.076	66	67	0.0	0.0	5.308	A
	CircLink	1	1	1	92	23	-	-	-	92	104	0.0	0.0	0.000	A
				2	136	34	-	-	-	136	139	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	299	75	-	-	-	299	315	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	10	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	136	34	-	-	-	136	139	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	299	75	-	-	-	299	315	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	10	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	19	5	-	-	-	19	21	0.0	0.0	0.000	A
				3	381	95	-	-	-	381	408	0.0	0.0	0.000	A
				4	103	26	-	-	-	103	107	0.0	0.0	0.000	A
				5	65	16	-	-	-	65	67	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	116	29	1289	918	0.127	116	110	0.0	0.2	4.437	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	24	6	1289	953	0.026	25	27	0.0	0.0	5.035	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	31	8	1289	947	0.032	32	35	0.0	0.0	4.745	A
				5	111	28	1289	925	0.120	112	112	0.0	0.1	4.384	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	19	5	-	-	-	19	21	0.0	0.0	0.000	A
				3	382	96	-	-	-	382	405	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	104	26	-	-	-	104	107	0.0	0.0	0.000	A
				5	66	17	-	-	-	66	67	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	299	75	-	-	-	299	315	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	10	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	24	6	-	-	-	24	27	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	116	29	-	-	-	116	111	0.0	0.0	0.000	A
				4	31	8	-	-	-	31	35	0.0	0.0	0.000	A
				5	111	28	-	-	-	111	113	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	80	20	1076	952	0.084	80	79	0.0	0.1	5.402	A
				5	191	48	1076	941	0.203	190	196	0.0	0.4	5.636	A
			2	1	316	79	1076	941	0.336	312	316	0.0	0.9	7.091	A
				2	88	22	1076	915	0.097	84	94	0.0	0.4	7.104	A
				3	33	8	1076	826	0.040	33	39	0.0	0.1	7.990	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	316	79	-	-	-	316	320	0.0	0.0	0.000	A
				2	88	22	-	-	-	88	96	0.0	0.0	0.006	A
				3	33	8	-	-	-	33	40	0.0	0.0	0.000	A
				4	80	20	-	-	-	80	79	0.0	0.0	0.000	A
				5	191	48	-	-	-	191	198	0.0	0.0	0.002	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	116	29	-	-	-	116	110	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	25	6	-	-	-	25	27	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	32	8	-	-	-	32	35	0.0	0.0	0.000	A
				5	112	28	-	-	-	112	112	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	11	3	-	-	-	11	10	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	25	6	-	-	-	25	27	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	18	5	769	532	0.034	18	21	0.0	0.1	7.789	A
				1	179	45	769	557	0.322	180	184	0.0	0.5	12.593	B
				2	63	16	769	568	0.111	66	64	0.0	0.2	12.618	B
			2	3	88	22	769	556	0.158	88	94	0.0	0.4	12.351	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	80	20	-	-	-	80	79	0.0	0.0	0.000	A
				5	190	47	-	-	-	190	196	0.0	0.0	0.000	A
				1	312	78	-	-	-	312	316	0.0	0.0	0.000	A
				2	84	21	-	-	-	84	94	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	33	8	-	-	-	33	39	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	312	78	-	-	-	312	316	0.0	0.0	0.000	A
				2	84	21	-	-	-	84	94	0.0	0.0	0.000	A
			2	3	33	8	-	-	-	33	39	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2		1	178	45	-	-	-	179	186	0.0	0.3	4.006	A
				2	63	16	-	-	-	63	65	0.0	0.1	3.704	A
			1	3	88	22	-	-	-	88	96	0.0	0.1	4.101	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	19	5	-	-	-	18	21	0.0	0.0	2.303	A
	Entry	1		1	91	23	1070	703	0.130	92	104	0.0	0.2	7.302	A
				2	133	33	1070	711	0.187	136	139	0.0	0.1	6.740	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	297	74	1070	711	0.416	299	315	0.0	0.6	7.965	A
				4	11	3	991	689	0.015	11	10	0.0	0.0	7.517	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	18	4	-	-	-	18	21	0.0	0.0	0.000	A
				1	180	45	-	-	-	180	184	0.0	0.0	0.000	A
				2	66	16	-	-	-	66	64	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	88	22	-	-	-	88	94	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	180	45	-	-	-	180	184	0.0	0.0	0.000	A
				2	66	16	-	-	-	66	64	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	88	22	-	-	-	88	94	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	Entry	2		1	91	23	-	-	-	91	105	0.0	0.0	0.000	A
				2	133	33	-	-	-	133	139	0.0	0.0	0.000	A
			1	3	297	74	-	-	-	297	317	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	10	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

16:30 - 16:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	25	6	1184	924	0.027	26	27	0.8	0.1	10.365	B
				3	458	114	1184	887	0.517	460	491	0.8	1.6	9.893	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	115	29	1184	889	0.131	115	114	0.1	0.1	5.240	A
				5	72	18	1184	810	0.089	73	80	0.1	0.0	5.671	A
	CircLink	1	1	1	121	30	-	-	-	121	128	0.0	0.0	0.000	A
				2	154	38	-	-	-	154	163	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	349	87	-	-	-	349	378	0.0	0.0	0.000	A
				4	13	3	-	-	-	13	12	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	154	38	-	-	-	154	163	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	349	87	-	-	-	349	378	0.0	0.0	0.000	A
				4	13	3	-	-	-	13	12	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	25	6	-	-	-	25	27	0.0	0.0	0.000	A
				3	458	114	-	-	-	458	494	0.0	0.0	0.000	A
				4	115	29	-	-	-	115	114	0.0	0.0	0.000	A
				5	72	18	-	-	-	72	80	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	122	30	1289	896	0.137	123	120	0.2	0.2	4.742	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	32	8	1289	906	0.036	32	35	0.0	0.0	5.228	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	54	14	1289	914	0.059	54	53	0.0	0.1	4.849	A
				5	132	33	1289	856	0.154	135	139	0.1	0.1	5.616	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	26	6	-	-	-	26	27	0.0	0.0	0.000	A
				3	460	115	-	-	-	460	491	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	115	29	-	-	-	115	114	0.0	0.0	0.000	A
				5	73	18	-	-	-	73	80	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	349	87	-	-	-	349	378	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	13	3	-	-	-	13	12	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	32	8	-	-	-	32	35	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	122	30	-	-	-	122	120	0.0	0.0	0.000	A
				4	54	14	-	-	-	54	53	0.0	0.0	0.000	A
				5	132	33	-	-	-	132	139	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	103	26	1076	935	0.110	104	95	0.5	0.1	6.009	A
				5	228	57	1076	928	0.247	225	237	0.5	0.4	5.796	A
			2	1	394	99	1076	932	0.423	399	393	1.4	0.6	10.096	B
				2	115	29	1076	925	0.124	114	122	1.4	0.4	9.486	A
				3	35	9	1076	801	0.045	35	44	1.4	0.1	9.955	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	394	99	-	-	-	394	391	0.0	0.0	0.042	A
				2	115	29	-	-	-	115	121	0.0	0.0	0.001	A
				3	35	9	-	-	-	35	44	0.0	0.0	0.040	A
				4	103	26	-	-	-	103	95	0.0	0.0	0.000	A
				5	228	57	-	-	-	228	237	0.0	0.0	0.008	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	123	31	-	-	-	123	120	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	32	8	-	-	-	32	35	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	54	14	-	-	-	54	53	0.0	0.0	0.000	A
				5	135	34	-	-	-	135	139	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	13	3	-	-	-	13	12	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	32	8	-	-	-	32	35	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	23	6	769	513	0.044	24	27	0.1	0.0	7.388	A
				1	221	55	769	517	0.428	221	212	1.1	0.9	14.836	B
				2	69	17	769	523	0.132	71	69	1.1	0.3	14.681	B
			2	3	106	26	769	510	0.208	106	101	1.1	0.5	14.008	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	104	26	-	-	-	104	95	0.0	0.0	0.000	A
	CircLink	1		5	225	56	-	-	-	225	237	0.0	0.0	0.000	A
				1	399	100	-	-	-	399	393	0.0	0.0	0.000	A
				2	114	28	-	-	-	114	122	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	35	9	-	-	-	35	44	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	399	100	-	-	-	399	393	0.0	0.0	0.000	A
				2	114	28	-	-	-	114	122	0.0	0.0	0.000	A
			2	3	35	9	-	-	-	35	44	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	215	54	-	-	-	221	214	0.5	0.7	9.734	A
				2	70	17	-	-	-	69	69	0.5	0.3	9.782	A
	Entry	2	1	3	101	25	-	-	-	106	101	0.5	0.3	9.343	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	23	6	-	-	-	23	26	0.5	0.1	6.889	A
				1	119	30	1070	660	0.181	121	128	0.3	0.1	9.305	A
				2	154	38	1070	675	0.228	154	163	0.3	0.4	9.655	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	350	87	1070	674	0.517	349	378	0.6	0.9	11.090	B
				4	14	4	1030	687	0.021	13	12	0.0	0.1	10.012	B
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		5	24	6	-	-	-	24	27	0.0	0.0	0.000	A
				1	221	55	-	-	-	221	212	0.0	0.0	0.000	A
				2	71	18	-	-	-	71	69	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	106	26	-	-	-	106	101	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	221	55	-	-	-	221	212	0.0	0.0	0.000	A
				2	71	18	-	-	-	71	69	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	106	26	-	-	-	106	101	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	119	30	-	-	-	119	127	0.0	0.0	0.000	A
				2	154	38	-	-	-	154	164	0.0	0.0	0.000	A
	Entry	2	1	3	350	87	-	-	-	350	379	0.0	0.0	0.000	A
				4	14	4	-	-	-	14	13	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

16:45 - 17:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	33	8	1184	852	0.039	35	32	1.6	0.0	16.425	C
				3	572	143	1184	817	0.702	557	586	1.6	3.6	16.466	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	133	33	1184	834	0.160	133	133	0.2	0.3	6.142	A
				5	79	20	1184	750	0.105	78	87	0.2	0.2	6.837	A
	CircLink	1	1	1	146	36	-	-	-	146	152	0.0	0.0	0.000	A
				2	216	54	-	-	-	216	217	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	424	106	-	-	-	424	462	0.0	0.0	0.000	A
				4	16	4	-	-	-	16	15	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	216	54	-	-	-	216	217	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	424	106	-	-	-	424	462	0.0	0.0	0.000	A
				4	16	4	-	-	-	16	15	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	33	8	-	-	-	33	32	0.0	0.0	0.000	A
				3	572	143	-	-	-	572	594	0.0	0.0	0.000	A
				4	133	33	-	-	-	133	134	0.0	0.0	0.000	A
				5	79	20	-	-	-	79	87	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	140	35	1289	800	0.175	142	154	0.2	0.2	5.706	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	49	12	1289	826	0.059	49	40	0.2	0.1	6.427	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	64	16	1289	828	0.078	65	54	0.2	0.1	6.153	A
				5	142	36	1289	808	0.176	142	152	0.2	0.3	6.210	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	35	9	-	-	-	35	32	0.0	0.0	0.000	A
				3	557	139	-	-	-	557	586	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	133	33	-	-	-	133	133	0.0	0.0	0.000	A
				5	78	20	-	-	-	78	87	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	424	106	-	-	-	424	462	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	16	4	-	-	-	16	15	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	49	12	-	-	-	49	40	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	140	35	-	-	-	140	154	0.0	0.0	0.000	A
				4	64	16	-	-	-	64	54	0.0	0.0	0.000	A
				5	142	36	-	-	-	142	153	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	122	30	1076	915	0.133	123	117	0.6	0.1	6.130	A
				5	272	68	1076	897	0.303	270	278	0.6	0.6	5.812	A
			2	1	452	113	1076	915	0.494	456	460	1.1	1.7	14.276	B
				2	140	35	1076	908	0.154	143	148	1.1	0.6	14.528	B
				3	44	11	1076	778	0.056	43	54	1.1	0.2	14.757	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	451	113	-	-	-	452	465	0.0	0.0	0.850	A
				2	140	35	-	-	-	140	149	0.0	0.0	0.942	A
				3	44	11	-	-	-	44	55	0.0	0.0	0.755	A
				4	122	30	-	-	-	122	117	0.0	0.0	0.785	A
				5	272	68	-	-	-	272	279	0.0	0.0	0.572	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	142	36	-	-	-	142	154	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	49	12	-	-	-	49	40	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	65	16	-	-	-	65	54	0.0	0.0	0.000	A
				5	142	35	-	-	-	142	152	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	16	4	-	-	-	16	15	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	49	12	-	-	-	49	40	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	29	7	769	452	0.066	29	28	0.0	0.0	8.317	A
			2	1	236	59	769	479	0.496	240	239	1.7	1.3	21.062	C
				2	81	20	769	478	0.170	82	80	1.7	0.4	19.747	C
				3	133	33	769	465	0.286	129	133	1.7	1.0	20.685	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	123	31	-	-	-	123	117	0.0	0.0	0.000	A
				5	270	68	-	-	-	270	278	0.0	0.0	0.000	A
			2	1	456	114	-	-	-	456	460	0.0	0.0	0.000	A
				2	143	36	-	-	-	143	148	0.0	0.0	0.000	A
				3	43	11	-	-	-	43	54	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	456	114	-	-	-	456	460	0.0	0.0	0.000	A
				2	143	36	-	-	-	143	148	0.0	0.0	0.000	A
				3	43	11	-	-	-	43	54	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	264	66	-	-	-	236	241	1.4	6.3	52.583	F
				2	89	22	-	-	-	81	80	1.4	2.0	51.017	F
				3	140	35	-	-	-	133	135	1.4	2.8	52.262	F
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	30	7	-	-	-	29	29	1.4	0.7	49.476	E
5 - A1079 (W)	Entry	1	1	1	146	36	1070	618	0.236	146	152	0.4	0.4	11.770	B
				2	212	53	1070	633	0.338	216	217	0.4	0.4	11.458	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	431	108	1070	628	0.684	424	462	1.0	3.0	20.492	C
				4	16	4	1030	643	0.024	16	15	1.0	0.0	19.822	C
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	29	7	-	-	-	29	28	0.0	0.0	0.000	A
			2	1	240	60	-	-	-	240	239	0.0	0.0	0.000	A
				2	82	21	-	-	-	82	80	0.0	0.0	0.000	A
				3	129	32	-	-	-	129	133	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	240	60	-	-	-	240	239	0.0	0.0	0.000	A
				2	82	21	-	-	-	82	80	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	129	32	-	-	-	129	133	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	Entry	2	1	1	150	37	-	-	-	146	153	0.0	0.3	1.916	A
				2	216	54	-	-	-	212	217	0.0	0.3	0.752	A
				3	435	109	-	-	-	431	471	0.0	0.3	0.672	A
				4	16	4	-	-	-	16	14	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

17:00 - 17:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	34	9	1184	853	0.040	34	34	3.6	0.1	17.957	C
				3	559	140	1184	820	0.681	567	600	3.6	2.1	16.414	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	141	35	1184	840	0.168	141	147	0.6	0.1	7.224	A
				5	94	23	1184	732	0.128	93	98	0.6	0.1	7.266	A
	CircLink	1	1	1	157	39	-	-	-	157	156	0.0	0.0	0.000	A
				2	199	50	-	-	-	199	206	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	433	108	-	-	-	433	461	0.0	0.0	0.000	A
				4	14	3	-	-	-	14	12	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	199	50	-	-	-	199	206	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	433	108	-	-	-	433	461	0.0	0.0	0.000	A
				4	14	3	-	-	-	14	12	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	34	9	-	-	-	34	35	0.0	0.0	0.012	A
				3	559	140	-	-	-	559	594	0.0	0.0	0.068	A
				4	141	35	-	-	-	141	146	0.0	0.0	0.038	A
				5	94	23	-	-	-	94	97	0.0	0.0	0.088	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	147	37	1289	801	0.184	148	151	0.2	0.2	5.729	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	46	11	1289	816	0.056	44	44	0.5	0.2	7.377	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	43	11	1289	815	0.053	43	51	0.5	0.2	6.411	A
				5	163	41	1289	774	0.210	163	165	0.5	0.3	7.164	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	34	9	-	-	-	34	34	0.0	0.0	0.000	A
				3	567	142	-	-	-	567	600	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	141	35	-	-	-	141	147	0.0	0.0	0.000	A
				5	93	23	-	-	-	93	98	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	433	108	-	-	-	433	461	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	14	3	-	-	-	14	12	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	46	11	-	-	-	46	45	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	147	37	-	-	-	147	151	0.0	0.0	0.000	A
				4	43	11	-	-	-	43	51	0.0	0.0	0.000	A
				5	163	41	-	-	-	163	165	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	102	26	1076	928	0.111	106	115	0.6	0.1	7.382	A
				5	282	71	1076	902	0.314	284	294	0.6	0.5	7.597	A
			2	1	474	118	1076	904	0.524	472	486	2.5	2.3	15.045	C
				2	144	36	1076	907	0.159	144	153	2.5	0.6	14.713	B
				3	51	13	1076	815	0.062	51	57	2.5	0.2	15.297	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	470	118	-	-	-	474	488	0.0	0.1	0.939	A
				2	144	36	-	-	-	144	153	0.0	0.0	0.831	A
				3	51	13	-	-	-	51	57	0.0	0.0	0.823	A
				4	101	25	-	-	-	102	115	0.0	0.0	0.810	A
				5	280	70	-	-	-	282	294	0.0	0.0	0.757	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	148	37	-	-	-	148	151	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	44	11	-	-	-	44	44	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	43	11	-	-	-	43	51	0.0	0.0	0.000	A
				5	163	41	-	-	-	163	165	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	14	3	-	-	-	14	12	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	44	11	-	-	-	44	44	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	27	7	769	442	0.061	28	29	0.0	0.1	8.189	A
			2	1	239	60	769	460	0.521	237	236	2.7	1.7	23.520	C
				2	84	21	769	460	0.183	83	79	2.7	0.6	22.836	C
				3	113	28	769	441	0.254	114	131	2.7	0.7	23.428	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	106	26	-	-	-	106	115	0.0	0.0	0.000	A
				5	284	71	-	-	-	284	294	0.0	0.0	0.000	A
			2	1	472	118	-	-	-	472	486	0.0	0.0	0.000	A
				2	144	36	-	-	-	144	153	0.0	0.0	0.000	A
				3	51	13	-	-	-	51	57	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	472	118	-	-	-	472	486	0.0	0.0	0.000	A
				2	144	36	-	-	-	144	153	0.0	0.0	0.000	A
				3	51	13	-	-	-	51	57	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	241	60	-	-	-	239	238	11.7	11.7	159.659	F
				2	92	23	-	-	-	84	80	11.7	4.5	163.634	F
				3	140	35	-	-	-	113	129	11.7	7.6	165.488	F
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	30	7	-	-	-	27	29	11.7	1.5	153.151	F
5 - A1079 (W)	Entry	1	1	1	155	39	1070	632	0.246	157	156	0.8	0.4	14.119	B
				2	199	50	1070	627	0.318	199	206	0.8	0.7	13.514	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	451	113	1070	630	0.712	433	461	3.0	2.9	21.180	C
				4	14	4	1070	661	0.022	14	12	3.0	0.1	18.901	C
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	28	7	-	-	-	28	29	0.0	0.0	0.000	A
			2	1	237	59	-	-	-	237	236	0.0	0.0	0.000	A
				2	83	21	-	-	-	83	79	0.0	0.0	0.000	A
				3	114	29	-	-	-	114	131	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	237	59	-	-	-	237	236	0.0	0.0	0.000	A
				2	83	21	-	-	-	83	79	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	114	29	-	-	-	114	131	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	Entry	2	1	1	154	38	-	-	-	155	156	0.9	0.0	0.350	A
				2	199	50	-	-	-	199	207	0.9	0.0	0.222	A
				3	449	112	-	-	-	451	461	0.9	0.0	0.263	A
				4	14	4	-	-	-	14	13	0.0	0.0	0.377	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

17:15 - 17:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	29	7	1184	897	0.032	29	32	2.3	0.1	9.414	A
				3	478	120	1184	880	0.544	476	495	2.3	1.0	10.151	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	117	29	1184	886	0.132	119	112	0.2	0.1	5.147	A
				5	65	16	1184	835	0.078	64	78	0.2	0.1	5.337	A
	CircLink	1	1	1	111	28	-	-	-	111	121	0.0	0.0	0.000	A
				2	144	36	-	-	-	144	162	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	336	84	-	-	-	336	389	0.0	0.0	0.000	A
				4	8	2	-	-	-	8	10	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	144	36	-	-	-	144	162	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	336	84	-	-	-	336	389	0.0	0.0	0.000	A
				4	8	2	-	-	-	8	10	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	29	7	-	-	-	29	32	0.0	0.0	0.000	A
				3	478	120	-	-	-	478	490	0.0	0.0	0.000	A
				4	117	29	-	-	-	117	112	0.0	0.0	0.000	A
				5	65	16	-	-	-	65	78	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	126	31	1289	887	0.141	127	127	0.2	0.2	5.084	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	33	8	1289	894	0.037	32	34	0.7	0.1	5.751	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	40	10	1289	894	0.045	40	43	0.7	0.1	6.104	A
				5	132	33	1289	877	0.150	130	137	0.7	0.2	5.870	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	29	7	-	-	-	29	32	0.0	0.0	0.000	A
				3	476	119	-	-	-	476	495	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	119	30	-	-	-	119	112	0.0	0.0	0.000	A
				5	64	16	-	-	-	64	78	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	336	84	-	-	-	336	389	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	8	2	-	-	-	8	10	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	33	8	-	-	-	33	33	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	126	31	-	-	-	126	127	0.0	0.0	0.000	A
				4	40	10	-	-	-	40	43	0.0	0.0	0.000	A
				5	132	33	-	-	-	132	137	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	97	24	1076	917	0.104	97	99	0.7	0.2	6.626	A
				5	245	61	1076	927	0.264	243	246	0.7	0.7	6.559	A
			2	1	374	94	1076	939	0.400	380	383	3.1	0.6	9.698	A
				2	120	30	1076	916	0.131	122	127	3.1	0.3	9.992	A
				3	44	11	1076	758	0.057	44	48	3.1	0.1	9.841	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	374	94	-	-	-	374	376	0.2	0.0	0.110	A
				2	120	30	-	-	-	120	125	0.2	0.0	0.111	A
				3	44	11	-	-	-	44	47	0.0	0.0	0.114	A
				4	97	24	-	-	-	97	99	0.2	0.0	0.216	A
				5	245	61	-	-	-	245	247	0.0	0.0	0.117	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	127	32	-	-	-	127	127	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	32	8	-	-	-	32	34	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	40	10	-	-	-	40	43	0.0	0.0	0.000	A
				5	130	32	-	-	-	130	137	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	8	2	-	-	-	8	10	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	32	8	-	-	-	32	34	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	27	7	769	470	0.058	27	29	0.1	0.0	8.093	A
			2	1	247	62	769	516	0.481	247	248	3.0	1.2	19.691	C
				2	86	21	769	516	0.166	85	87	3.0	0.4	18.896	C
				3	127	32	769	509	0.248	132	141	3.0	0.6	19.984	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	97	24	-	-	-	97	99	0.0	0.0	0.000	A
				5	243	61	-	-	-	243	246	0.0	0.0	0.000	A
			2	1	380	95	-	-	-	380	383	0.0	0.0	0.000	A
				2	122	30	-	-	-	122	127	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane				3	44	11	-	-	-	44	48	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	380	95	-	-	-	380	383	0.0	0.0	0.000	A
				2	122	30	-	-	-	122	127	0.0	0.0	0.000	A
				3	44	11	-	-	-	44	48	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	208	52	-	-	-	247	246	25.3	4.0	117.160	F
				2	66	17	-	-	-	86	87	25.3	1.1	108.644	F
				3	107	27	-	-	-	127	141	25.3	2.0	112.593	F
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	22	5	-	-	-	27	29	25.3	0.5	116.769	F
	Entry	1	1	1	113	28	1070	640	0.174	111	121	1.1	0.4	9.776	A
				2	144	36	1070	653	0.221	144	162	1.1	0.5	9.854	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	332	83	1070	659	0.500	336	389	3.0	1.0	13.557	B
				4	8	2	1030	662	0.012	8	10	3.0	0.0	12.311	B
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	27	7	-	-	-	27	29	0.0	0.0	0.000	A
			2	1	247	62	-	-	-	247	248	0.0	0.0	0.000	A
				2	85	21	-	-	-	85	87	0.0	0.0	0.000	A
5 - A1079 (W)				3	132	33	-	-	-	132	141	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	247	62	-	-	-	247	248	0.0	0.0	0.000	A
				2	85	21	-	-	-	85	87	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	132	33	-	-	-	132	141	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	Entry	2	1	1	113	28	-	-	-	113	120	0.0	0.0	0.015	A
				2	144	36	-	-	-	144	161	0.0	0.0	0.018	A
				3	332	83	-	-	-	332	380	0.0	0.0	0.019	A
				4	8	2	-	-	-	8	10	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

17:30 - 17:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	26	7	1184	949	0.028	26	21	1.1	0.0	7.373	A
				3	368	92	1184	911	0.405	365	405	1.1	0.7	6.689	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	88	22	1184	930	0.095	88	97	0.3	0.1	4.806	A
				5	66	17	1184	872	0.076	66	69	0.3	0.1	5.323	A
	CircLink	1	1	1	96	24	-	-	-	96	106	0.0	0.0	0.000	A
				2	140	35	-	-	-	140	139	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	290	72	-	-	-	290	317	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	11	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	140	35	-	-	-	140	139	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	290	72	-	-	-	290	317	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	11	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	26	7	-	-	-	26	21	0.0	0.0	0.000	A
				3	368	92	-	-	-	368	404	0.0	0.0	0.000	A
				4	88	22	-	-	-	88	97	0.0	0.0	0.000	A
				5	66	17	-	-	-	66	69	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	98	25	1289	942	0.105	99	107	0.2	0.1	4.155	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	31	8	1289	973	0.032	31	28	0.4	0.1	5.046	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	38	9	1289	972	0.039	39	36	0.4	0.0	4.452	A
				5	104	26	1289	932	0.112	105	111	0.4	0.1	5.035	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	26	6	-	-	-	26	21	0.0	0.0	0.000	A
				3	365	91	-	-	-	365	405	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	88	22	-	-	-	88	97	0.0	0.0	0.000	A
				5	66	16	-	-	-	66	69	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	290	72	-	-	-	290	317	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	11	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	31	8	-	-	-	31	28	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	98	25	-	-	-	98	106	0.0	0.0	0.000	A
				4	38	9	-	-	-	38	35	0.0	0.0	0.000	A
				5	104	26	-	-	-	104	111	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	90	22	1076	937	0.096	89	85	0.9	0.1	5.450	A
				5	205	51	1076	933	0.219	200	201	0.9	0.4	5.484	A
			2	1	316	79	1076	954	0.331	316	315	1.0	0.7	7.298	A
				2	104	26	1076	928	0.111	105	109	1.0	0.2	7.482	A
				3	36	9	1076	851	0.042	36	37	1.0	0.1	7.623	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	316	79	-	-	-	316	316	0.0	0.0	0.014	A
				2	104	26	-	-	-	104	108	0.0	0.0	0.004	A
				3	36	9	-	-	-	36	37	0.0	0.0	0.000	A
				4	90	22	-	-	-	90	85	0.0	0.0	0.017	A
				5	205	51	-	-	-	205	201	0.0	0.0	0.002	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	99	25	-	-	-	99	107	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	31	8	-	-	-	31	28	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	39	10	-	-	-	39	36	0.0	0.0	0.000	A
				5	105	26	-	-	-	105	111	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	11	3	-	-	-	11	11	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	31	8	-	-	-	31	28	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	20	5	769	546	0.037	19	25	0.0	0.1	10.178	B
				1	175	44	769	551	0.318	173	194	2.2	0.7	14.347	B
				2	63	16	769	559	0.113	62	66	2.2	0.3	13.840	B
			2	3	99	25	769	538	0.184	99	104	2.2	0.4	13.915	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	89	22	-	-	-	89	85	0.0	0.0	0.000	A
				5	200	50	-	-	-	200	201	0.0	0.0	0.000	A
				1	316	79	-	-	-	316	315	0.0	0.0	0.000	A
				2	105	26	-	-	-	105	109	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	36	9	-	-	-	36	37	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	316	79	-	-	-	316	315	0.0	0.0	0.000	A
				2	105	26	-	-	-	105	109	0.0	0.0	0.000	A
			2	3	36	9	-	-	-	36	37	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2		1	176	44	-	-	-	175	192	7.6	0.3	16.084	C
				2	62	15	-	-	-	63	65	7.6	0.1	18.097	C
			1	3	98	25	-	-	-	99	103	7.6	0.1	15.699	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	20	5	-	-	-	20	25	7.6	0.0	17.609	C
	Entry	1		1	96	24	1070	707	0.138	96	106	0.9	0.3	7.531	A
				2	140	35	1070	703	0.199	140	139	0.9	0.4	7.422	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	289	72	1070	722	0.401	290	317	1.1	0.7	8.660	A
				4	11	3	1030	718	0.015	11	11	1.1	0.1	8.888	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	19	5	-	-	-	19	25	0.0	0.0	0.000	A
				1	173	43	-	-	-	173	194	0.0	0.0	0.000	A
				2	62	15	-	-	-	62	66	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	99	25	-	-	-	99	104	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	173	43	-	-	-	173	194	0.0	0.0	0.000	A
				2	62	15	-	-	-	62	66	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	99	25	-	-	-	99	104	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	Entry	2		1	96	24	-	-	-	96	105	0.0	0.0	0.000	A
				2	140	35	-	-	-	140	139	0.0	0.0	0.000	A
			1	3	289	72	-	-	-	289	316	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	11	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

Base 2026 + Committed Development + Concurrent Scenario, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.
Info	Simulation	A1 - [Lane Simulation]	This run uses Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	Killingwoldgraves Roundabout	Standard Roundabout	✓	1, 2, 3, 4, 5	19.77	C

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	19.77	C

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D7	Base 2026 + Committed Development + Concurrent Scenario	AM	ONE HOUR	07:00	08:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1 - A1035 (N)		ONE HOUR	✓	968	100.000
2 - A1174 (E)		ONE HOUR	✓	377	100.000
3 - A1079 (S)		ONE HOUR	✓	1005	100.000
4 - Killingwoldgraves Lane		ONE HOUR	✓	361	100.000
5 - A1079 (W)		ONE HOUR	✓	511	100.000

Origin-Destination Data

Demand (Veh/hr)

		To				
		1 - A1035 (N)	2 - A1174 (E)	3 - A1079 (S)	4 - Killingwoldgraves Lane	5 - A1079 (W)
From	1 - A1035 (N)	0	33	698	148	89
	2 - A1174 (E)	26	0	180	40	131
	3 - A1079 (S)	463	71	10	138	323
	4 - Killingwoldgraves Lane	168	43	127	0	23
	5 - A1079 (W)	82	95	301	33	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80

Heavy Vehicle %

		To				
		1 - A1035 (N)	2 - A1174 (E)	3 - A1079 (S)	4 - Killingwoldgraves Lane	5 - A1079 (W)
From	1 - A1035 (N)	0	3	5	3	10
	2 - A1174 (E)	4	0	3	0	5
	3 - A1079 (S)	10	10	89	8	7
	4 - Killingwoldgraves Lane	4	0	2	0	4
	5 - A1079 (W)	21	1	6	0	0

Cyclist %

		To				
		1 - A1035 (N)	2 - A1174 (E)	3 - A1079 (S)	4 - Killingwoldgraves Lane	5 - A1079 (W)
From	1 - A1035 (N)	0	0	0	0	0
	2 - A1174 (E)	0	0	0	0	0
	3 - A1079 (S)	0	0	0	0	0
	4 - Killingwoldgraves Lane	0	0	0	0	0
	5 - A1079 (W)	0	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
1 - A1035 (N)	25.75	7.5	18.9	D	897	1345
2 - A1174 (E)	6.57	0.9	2.8	A	343	515
3 - A1079 (S)	13.71	4.2	15.6	B	923	1384
4 - Killingwoldgraves Lane	47.51	5.4	19.6	E	328	493
5 - A1079 (W)	11.38	1.7	5.7	B	465	697

Main Results for each time segment

07:00 - 07:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	746	186	514	751	767	562	0.0	1.2	7.716	A
2 - A1174 (E)	282	70	1078	280	295	187	0.0	0.4	4.718	A
3 - A1079 (S)	775	194	359	770	845	999	0.0	1.8	7.381	A
4 - Killingwoldgraves Lane	276	69	853	277	276	275	0.0	0.8	12.554	B
5 - A1079 (W)	383	96	693	383	408	437	0.0	0.8	7.523	A

07:15 - 07:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	877	219	626	873	913	666	1.2	2.5	11.004	B
2 - A1174 (E)	346	86	1275	346	350	223	0.4	0.5	5.215	A
3 - A1079 (S)	904	226	419	901	983	1203	1.8	2.4	9.068	A
4 - Killingwoldgraves Lane	337	84	1001	329	330	319	0.8	1.9	16.957	C
5 - A1079 (W)	468	117	826	466	492	504	0.8	1.3	8.391	A

07:30 - 07:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	1071	268	731	1073	1112	810	2.5	7.2	21.287	C
2 - A1174 (E)	415	104	1536	416	428	268	0.5	0.7	6.445	A
3 - A1079 (S)	1090	272	506	1099	1190	1446	2.4	3.7	13.355	B
4 - Killingwoldgraves Lane	393	98	1213	397	393	392	1.9	4.4	35.074	E
5 - A1079 (W)	540	135	1001	541	584	610	1.3	1.5	10.645	B

07:45 - 08:00

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	1077	269	745	1085	1117	793	7.2	7.5	25.752	D
2 - A1174 (E)	417	104	1552	415	436	279	0.7	0.9	6.573	A
3 - A1079 (S)	1108	277	526	1107	1199	1441	3.7	4.2	13.714	B
4 - Killingwoldgraves Lane	382	96	1231	379	396	401	4.4	5.4	47.514	E
5 - A1079 (W)	550	138	985	554	599	624	1.5	1.7	11.383	B

08:00 - 08:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	879	220	605	875	938	666	7.5	2.9	13.066	B
2 - A1174 (E)	320	80	1262	319	347	218	0.9	0.5	5.852	A
3 - A1079 (S)	903	226	426	903	999	1156	4.2	2.3	9.433	A
4 - Killingwoldgraves Lane	314	78	996	322	352	333	5.4	1.5	27.305	D
5 - A1079 (W)	450	112	820	451	485	498	1.7	0.9	8.717	A

08:15 - 08:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	731	183	520	728	775	561	2.9	1.6	7.687	A
2 - A1174 (E)	281	70	1065	280	294	184	0.5	0.5	4.787	A
3 - A1079 (S)	756	189	351	755	837	994	2.3	1.6	7.759	A
4 - Killingwoldgraves Lane	269	67	834	268	284	271	1.5	1.0	13.895	B
5 - A1079 (W)	399	100	683	397	415	419	0.9	0.8	7.111	A

Queue Variation Results for each time segment

07:00 - 07:15

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	1.20	0.00	0.30	3.20	3.94
2 - A1174 (E)	0.45	0.00	0.00	0.90	1.42
3 - A1079 (S)	1.88	0.00	0.70	4.88	5.65
4 - Killingwoldgraves Lane	0.84	0.00	0.14	1.66	2.12
5 - A1079 (W)	0.79	0.00	0.00	1.58	3.53

07:15 - 07:30

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	2.51	0.00	1.25	6.01	6.97
2 - A1174 (E)	0.45	0.00	0.00	0.91	1.42
3 - A1079 (S)	2.44	0.00	1.49	4.73	6.12
4 - Killingwoldgraves Lane	1.98	0.00	0.70	5.19	6.39
5 - A1079 (W)	1.25	0.00	0.39	3.06	3.62

07:30 - 07:45

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	7.31	0.00	5.25	14.70	18.46
2 - A1174 (E)	0.73	0.00	0.02	1.62	2.26
3 - A1079 (S)	3.79	0.00	2.58	7.15	8.82
4 - Killingwoldgraves Lane	4.47	0.00	2.31	10.42	13.34
5 - A1079 (W)	1.58	0.00	0.69	3.45	4.20

07:45 - 08:00

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	7.52	0.15	5.53	15.54	18.92
2 - A1174 (E)	0.92	0.00	0.16	2.06	2.76
3 - A1079 (S)	4.18	0.00	2.37	8.87	15.64
4 - Killingwoldgraves Lane	5.39	0.00	2.03	14.00	19.54
5 - A1079 (W)	1.68	0.00	0.50	4.59	5.73

08:00 - 08:15

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	2.91	0.00	1.49	6.90	8.06
2 - A1174 (E)	0.54	0.00	0.00	1.09	1.79
3 - A1079 (S)	2.25	0.00	1.23	5.09	6.50
4 - Killingwoldgraves Lane	1.49	0.00	0.23	3.15	5.21
5 - A1079 (W)	0.99	0.00	0.00	2.62	3.23

08:15 - 08:30

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	1.66	0.00	0.87	3.26	4.11
2 - A1174 (E)	0.48	0.00	0.00	1.42	1.87
3 - A1079 (S)	1.59	0.00	0.58	3.86	4.97
4 - Killingwoldgraves Lane	0.99	0.00	0.00	2.38	3.60
5 - A1079 (W)	0.83	0.00	0.00	1.69	3.14

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

07:00 - 07:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	554	978	0.566	560	578	0.0	1.0	8.708	A
			2	1, 4, 5	192	973	0.197	191	189	0.0	0.2	4.641	A
		2	1	(1, 2, 3, 4, 5)	746			746	772	0.0	0.0	0.000	A
	Exit	1	1		562			562	616	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	725			725	779	0.0	0.0	0.000	A
			2	3, 4, 5	351			351	371	0.0	0.0	0.000	A
	CircBase	1	1	2	163			163	164	0.0	0.0	0.000	A
			2	3, 4, 5	351			351	371	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	140	894	0.157	138	145	0.0	0.3	4.794	A
			2	1, 2, 4, 5	141	902	0.157	142	150	0.0	0.2	4.646	A
		2	1	(1, 2, 3, 4, 5)	282			282	297	0.0	0.0	0.000	A
	Exit	1	1		187			187	188	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1048			1048	1090	0.0	0.0	0.000	A
			2	1, 4, 5	217			217	212	0.0	0.0	0.000	A
	CircBase	1	1	3	861			861	901	0.0	0.0	0.000	A
			2	1, 4, 5	217			217	212	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	357	910	0.392	355	379	0.0	0.7	6.739	A
			2	1, 2, 3	418	875	0.478	414	466	0.0	1.2	7.874	A
		2	1	(1, 2, 3, 4, 5)	775			775	853	0.0	0.0	0.029	A
	Exit	1	1		999			999	1046	0.0	0.0	0.000	A
	CircLink	1	1	3	999			999	1046	0.0	0.0	0.000	A
			2	1, 2, 4, 5	359			359	363	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	341			341	344	0.0	0.0	0.000	A
			2	1, 2	18			18	18	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	16	534	0.030	16	18	0.0	0.0	7.673	A
			2	1, 2, 3	261	537	0.487	261	259	0.0	0.8	11.006	B
	Exit	1	1		275			275	284	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	697			697	724	0.0	0.0	0.000	A
			2	1, 2, 3	432			432	484	0.0	0.0	0.000	A
	CircBase	1	1	5	421			421	440	0.0	0.0	0.000	A
			2	1, 2, 3	432			432	484	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	276			277	280	0.0	0.0	1.758	A
5 - A1079 (W)	Entry	1	1	1, 2	138	696	0.199	138	148	0.0	0.2	6.640	A
			2	3, 4, 5	244	735	0.332	246	260	0.0	0.5	8.002	A
	CircBase	1	1	1, 2	588			588	631	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	383			383	411	0.0	0.0	0.000	A
	Exit	1	1		437			437	457	0.0	0.0	0.000	A
	CircLink	1	1	5	437			437	457	0.0	0.0	0.000	A
			2	1, 2, 3, 4	693			693	743	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	105			105	112	0.0	0.0	0.000	A

07:15 - 07:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	673	935	0.719	667	692	1.0	2.3	13.012	B
			2	1, 4, 5	204	927	0.221	206	221	0.2	0.2	4.659	A
		2	1	(1, 2, 3, 4, 5)	877			877	918	0.0	0.0	0.000	A
	Exit	1	1		666			666	717	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	858			858	914	0.0	0.0	0.000	A
			2	3, 4, 5	433			433	452	0.0	0.0	0.000	A
	CircBase	1	1	2	192			192	197	0.0	0.0	0.000	A
			2	3, 4, 5	433			433	452	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	162	840	0.192	162	167	0.3	0.2	5.030	A
			2	1, 2, 4, 5	184	825	0.223	183	182	0.2	0.3	5.387	A
		2	1	(1, 2, 3, 4, 5)	346			346	350	0.0	0.0	0.000	A
	Exit	1	1		223			223	225	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1264			1264	1311	0.0	0.0	0.000	A
			2	1, 4, 5	235			235	251	0.0	0.0	0.000	A
	CircBase	1	1	3	1040			1040	1086	0.0	0.0	0.000	A
			2	1, 4, 5	235			235	251	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	408	890	0.459	406	441	0.7	0.9	8.102	A
			2	1, 2, 3	496	859	0.577	495	542	1.2	1.4	9.658	A
		2	1	(1, 2, 3, 4, 5)	904			903	985	0.0	0.1	0.110	A
	Exit	1	1		1203			1203	1253	0.0	0.0	0.000	A
	CircLink	1	1	3	1203			1203	1253	0.0	0.0	0.000	A
			2	1, 2, 4, 5	419			419	433	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	394			394	410	0.0	0.0	0.000	A
			2	1, 2	25			25	23	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	24	480	0.049	23	21	0.0	0.1	7.311	A
			2	1, 2, 3	309	498	0.621	306	309	0.8	1.3	13.654	B
	Exit	1	1		319			319	334	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	800			800	851	0.0	0.0	0.000	A
			2	1, 2, 3	520			520	566	0.0	0.0	0.000	A
	CircBase	1	1	5	481			481	516	0.0	0.0	0.000	A
			2	1, 2, 3	520			520	566	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	337			332	333	0.0	0.6	3.640	A
5 - A1079 (W)	Entry	1	1	1, 2	160	659	0.242	160	175	0.2	0.2	6.971	A
			2	3, 4, 5	308	698	0.440	305	317	0.5	1.0	9.134	A
	CircBase	1	1	1, 2	698			698	739	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	468			468	494	0.0	0.0	0.000	A
	Exit	1	1		504			504	538	0.0	0.0	0.000	A
	CircLink	1	1	5	504			504	538	0.0	0.0	0.000	A
			2	1, 2, 3, 4	826			826	874	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	127			127	135	0.0	0.0	0.000	A

07:30 - 07:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	811	911	0.890	811	829	2.3	6.5	25.537	D
			2	1, 4, 5	263	895	0.294	262	283	0.2	0.5	5.542	A
		2	1	(1, 2, 3, 4, 5)	1071			1074	1131	0.0	0.2	0.682	A
	Exit	1	1		810			810	867	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	1038			1038	1104	0.0	0.0	0.000	A
			2	3, 4, 5	503			503	533	0.0	0.0	0.000	A
	CircBase	1	1	2	228			228	237	0.0	0.0	0.000	A
			2	3, 4, 5	503			503	533	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	204	753	0.271	207	207	0.2	0.2	6.201	A
			2	1, 2, 4, 5	211	749	0.281	209	221	0.3	0.5	6.677	A
		2	1	(1, 2, 3, 4, 5)	415			415	429	0.0	0.0	0.000	A
	Exit	1	1		268			268	273	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1507			1507	1564	0.0	0.0	0.000	A
			2	1, 4, 5	297			297	317	0.0	0.0	0.000	A
	CircBase	1	1	3	1239			1239	1291	0.0	0.0	0.000	A
			2	1, 4, 5	297			297	317	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	492	870	0.566	494	535	0.9	1.4	9.712	A
			2	1, 2, 3	602	830	0.726	605	655	1.4	2.1	14.359	B
		2	1	(1, 2, 3, 4, 5)	1090			1094	1195	0.1	0.1	1.131	A
	Exit	1	1		1446			1446	1498	0.0	0.0	0.000	A
	CircLink	1	1	3	1446			1446	1498	0.0	0.0	0.000	A
			2	1, 2, 4, 5	506			506	538	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	483			483	511	0.0	0.0	0.000	A
			2	1, 2	24			24	28	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	24	435	0.056	25	24	0.1	0.1	8.724	A
			2	1, 2, 3	370	446	0.832	371	369	1.3	2.0	18.773	C
	Exit	1	1		392			392	411	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	977			977	1045	0.0	0.0	0.000	A
			2	1, 2, 3	629			629	683	0.0	0.0	0.000	A
	CircBase	1	1	5	584			584	634	0.0	0.0	0.000	A
			2	1, 2, 3	629			629	683	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	393			395	396	0.6	2.4	16.857	C
5 - A1079 (W)	Entry	1	1	1, 2	187	626	0.299	190	210	0.2	0.3	8.087	A
			2	3, 4, 5	353	654	0.540	351	374	1.0	1.2	12.014	B
	CircBase	1	1	1, 2	848			848	894	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	540			540	585	0.0	0.0	0.000	A
	Exit	1	1		610			610	658	0.0	0.0	0.000	A
	CircLink	1	1	5	610			610	658	0.0	0.0	0.000	A
			2	1, 2, 3, 4	1001			1001	1052	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	152			152	159	0.0	0.0	0.000	A

07:45 - 08:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	811	900	0.900	814	839	6.5	7.1	30.096	D
			2	1, 4, 5	271	895	0.303	271	278	0.5	0.5	6.193	A
		2	1	(1, 2, 3, 4, 5)	1077			1082	1119	0.2	0.0	1.624	A
	Exit	1	1		793			793	880	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	1033			1033	1121	0.0	0.0	0.000	A
			2	3, 4, 5	505			505	543	0.0	0.0	0.000	A
	CircBase	1	1	2	240			240	241	0.0	0.0	0.000	A
			2	3, 4, 5	505			505	543	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	200	747	0.267	198	203	0.2	0.4	6.482	A
			2	1, 2, 4, 5	217	733	0.298	217	233	0.5	0.5	6.654	A
		2	1	(1, 2, 3, 4, 5)	417			417	437	0.0	0.0	0.000	A
	Exit	1	1		279			279	278	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1522			1522	1583	0.0	0.0	0.000	A
			2	1, 4, 5	309			309	317	0.0	0.0	0.000	A
	CircBase	1	1	3	1243			1243	1305	0.0	0.0	0.000	A
			2	1, 4, 5	309			309	317	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	499	861	0.580	502	536	1.4	1.1	10.114	B
			2	1, 2, 3	607	832	0.728	604	663	2.1	2.4	14.312	B
		2	1	(1, 2, 3, 4, 5)	1108			1106	1199	0.1	0.7	1.288	A
	Exit	1	1		1441			1441	1508	0.0	0.0	0.000	A
	CircLink	1	1	3	1441			1441	1508	0.0	0.0	0.000	A
			2	1, 2, 4, 5	526			526	550	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	503			503	520	0.0	0.0	0.000	A
			2	1, 2	23			23	30	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	21	429	0.049	21	25	0.1	0.0	8.049	A
			2	1, 2, 3	356	441	0.804	357	371	2.0	1.9	19.974	C
	Exit	1	1		401			401	412	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	1004			1004	1056	0.0	0.0	0.000	A
			2	1, 2, 3	628			628	693	0.0	0.0	0.000	A
	CircBase	1	1	5	603			603	644	0.0	0.0	0.000	A
			2	1, 2, 3	628			628	693	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	382			377	395	2.4	3.5	28.194	D
5 - A1079 (W)	Entry	1	1	1, 2	191	632	0.303	192	211	0.3	0.5	9.048	A
			2	3, 4, 5	359	656	0.546	362	388	1.2	1.2	12.599	B
	CircBase	1	1	1, 2	841			841	910	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	550			550	600	0.0	0.0	0.000	A
	Exit	1	1		624			624	669	0.0	0.0	0.000	A
	CircLink	1	1	5	624			624	669	0.0	0.0	0.000	A
			2	1, 2, 3, 4	985			985	1064	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	144			144	154	0.0	0.0	0.000	A

08:00 - 08:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	654	945	0.692	648	712	7.1	2.7	15.669	C
			2	1, 4, 5	225	942	0.238	226	226	0.5	0.2	5.003	A
		2	1	(1, 2, 3, 4, 5)	879			879	919	0.0	0.0	0.013	A
	Exit	1	1		666			666	741	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	854			854	938	0.0	0.0	0.000	A
			2	3, 4, 5	417			417	451	0.0	0.0	0.000	A
	CircBase	1	1	2	188			188	197	0.0	0.0	0.000	A
			2	3, 4, 5	417			417	451	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	148	836	0.177	147	164	0.4	0.2	5.513	A
			2	1, 2, 4, 5	172	828	0.208	172	183	0.5	0.3	6.159	A
		2	1	(1, 2, 3, 4, 5)	320			320	345	0.0	0.0	0.000	A
	Exit	1	1		218			218	228	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1226			1226	1330	0.0	0.0	0.000	A
			2	1, 4, 5	254			254	256	0.0	0.0	0.000	A
	CircBase	1	1	3	1008			1008	1102	0.0	0.0	0.000	A
			2	1, 4, 5	254			254	256	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	410	889	0.461	409	447	1.1	0.9	7.530	A
			2	1, 2, 3	493	858	0.575	494	552	2.4	1.4	10.810	B
		2	1	(1, 2, 3, 4, 5)	903			903	994	0.7	0.0	0.173	A
	Exit	1	1		1156			1156	1266	0.0	0.0	0.000	A
	CircLink	1	1	3	1156			1156	1266	0.0	0.0	0.000	A
			2	1, 2, 4, 5	426			426	439	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	401			401	415	0.0	0.0	0.000	A
			2	1, 2	24			24	24	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	20	482	0.042	21	24	0.0	0.0	7.981	A
			2	1, 2, 3	299	501	0.596	302	328	1.9	1.0	15.855	C
	Exit	1	1		333			333	339	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	809			809	862	0.0	0.0	0.000	A
			2	1, 2, 3	519			519	576	0.0	0.0	0.000	A
	CircBase	1	1	5	477			477	523	0.0	0.0	0.000	A
			2	1, 2, 3	519			519	576	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	314			319	349	3.5	0.4	12.256	B
5 - A1079 (W)	Entry	1	1	1, 2	158	664	0.238	158	174	0.5	0.3	7.026	A
			2	3, 4, 5	292	698	0.419	294	311	1.2	0.6	9.617	A
	CircBase	1	1	1, 2	697			697	764	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	450			450	482	0.0	0.0	0.000	A
	Exit	1	1		498			498	547	0.0	0.0	0.000	A
	CircLink	1	1	5	498			498	547	0.0	0.0	0.000	A
			2	1, 2, 3, 4	820			820	904	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	123			123	139	0.0	0.0	0.000	A

08:15 - 08:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	552	963	0.573	552	585	2.7	1.3	8.721	A
			2	1, 4, 5	178	961	0.186	178	190	0.2	0.3	4.520	A
		2	1	(1, 2, 3, 4, 5)	731			731	770	0.0	0.0	0.000	A
	Exit	1	1		561			561	613	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	723			723	781	0.0	0.0	0.000	A
			2	3, 4, 5	358			358	381	0.0	0.0	0.000	A
	CircBase	1	1	2	162			162	167	0.0	0.0	0.000	A
			2	3, 4, 5	358			358	381	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	135	907	0.149	134	138	0.2	0.3	4.743	A
			2	1, 2, 4, 5	146	908	0.161	146	156	0.3	0.2	4.827	A
		2	1	(1, 2, 3, 4, 5)	281			281	294	0.0	0.0	0.000	A
	Exit	1	1		184			184	192	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1044			1044	1108	0.0	0.0	0.000	A
			2	1, 4, 5	205			205	214	0.0	0.0	0.000	A
	CircBase	1	1	3	860			860	917	0.0	0.0	0.000	A
			2	1, 4, 5	205			205	214	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	340	911	0.373	339	375	0.9	0.6	6.565	A
			2	1, 2, 3	416	872	0.475	415	462	1.4	1.0	8.639	A
		2	1	(1, 2, 3, 4, 5)	756			756	834	0.0	0.0	0.073	A
	Exit	1	1		994			994	1055	0.0	0.0	0.000	A
	CircLink	1	1	3	994			994	1055	0.0	0.0	0.000	A
			2	1, 2, 4, 5	351			351	370	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	333			333	351	0.0	0.0	0.000	A
			2	1, 2	18			18	19	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	19	540	0.036	19	19	0.0	0.1	7.091	A
			2	1, 2, 3	251	545	0.460	250	265	1.0	0.8	11.781	B
	Exit	1	1		271			271	283	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	672			672	726	0.0	0.0	0.000	A
			2	1, 2, 3	434			434	482	0.0	0.0	0.000	A
	CircBase	1	1	5	401			401	443	0.0	0.0	0.000	A
			2	1, 2, 3	434			434	482	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	269			270	283	0.4	0.1	2.486	A
5 - A1079 (W)	Entry	1	1	1, 2	141	713	0.197	141	150	0.3	0.2	6.577	A
			2	3, 4, 5	258	732	0.352	257	265	0.6	0.6	7.400	A
	CircBase	1	1	1, 2	582			582	631	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	399			399	414	0.0	0.0	0.000	A
	Exit	1	1		419			419	462	0.0	0.0	0.000	A
	CircLink	1	1	5	419			419	462	0.0	0.0	0.000	A
			2	1, 2, 3, 4	683			683	746	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	101			101	115	0.0	0.0	0.000	A

Lanes: Queue Variation Results for each time segment

07:00 - 07:15

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	0.99	0.00	0.00	3.01	3.71
			2	0.21	0.00	0.00	0.53	0.82
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.28	0.00	0.00	0.64	0.86
			2	0.17	0.00	0.00	0.40	0.79
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.69	0.00	0.00	1.72	2.91
			2	1.18	0.00	0.16	3.81	4.28
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.01	0.00	0.00	0.00	0.00
			2	0.79	0.00	0.13	1.63	2.06
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.04	0.00	0.00	0.00	0.00
5 - A1079 (W)	Entry	1	1	0.26	0.00	0.00	0.63	1.01
			2	0.54	0.00	0.00	1.36	2.55
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

07:15 - 07:30

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	2.24	0.00	0.99	6.03	6.87
			2	0.26	0.00	0.00	0.60	1.27
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.19	0.00	0.00	0.46	0.81
			2	0.26	0.00	0.00	0.64	0.91
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.92	0.00	0.00	2.44	3.22
			2	1.45	0.00	0.45	3.18	4.65
		2	1	0.06	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.05	0.00	0.00	0.00	0.94
			2	1.38	0.00	0.67	2.92	2.92
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.54	0.00	0.00	2.28	3.47
5 - A1079 (W)	Entry	1	1	0.23	0.00	0.00	0.58	0.80
			2	1.03	0.00	0.07	2.78	3.64
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

07:30 - 07:45

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	6.59	0.00	4.45	14.09	17.90
			2	0.50	0.00	0.00	1.64	2.43
		2	1	0.24	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.25	0.00	0.00	0.65	0.92
			2	0.48	0.00	0.00	1.08	1.66
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	1.44	0.00	0.50	3.44	4.79
			2	2.19	0.00	1.18	5.27	6.46
		2	1	0.15	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.07	0.00	0.00	0.00	0.00
			2	2.04	0.00	2.04	2.79	2.88
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	2.36	0.00	0.00	7.49	10.41
5 - A1079 (W)	Entry	1	1	0.35	0.00	0.00	1.17	1.73
			2	1.24	0.00	0.34	3.03	4.77
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

07:45 - 08:00

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	7.02	0.00	5.24	14.95	18.31
			2	0.47	0.00	0.00	1.35	2.32
		2	1	0.04	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.43	0.00	0.00	1.08	1.67
			2	0.50	0.00	0.00	0.90	1.48
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	1.15	0.00	0.20	2.96	3.83
			2	2.33	0.00	1.04	5.76	8.53
		2	1	0.69	0.00	0.00	0.00	4.73
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.01	0.00	0.00	0.00	0.00
			2	1.85	0.00	1.90	2.74	2.85
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	3.54	0.00	0.00	11.11	16.67
5 - A1079 (W)	Entry	1	1	0.53	0.00	0.00	1.40	2.15
			2	1.16	0.00	0.00	3.70	4.91
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

08:00 - 08:15

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	2.69	0.00	1.19	6.59	7.81
			2	0.22	0.00	0.00	0.56	0.83
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.25	0.00	0.00	0.65	0.92
			2	0.29	0.00	0.00	0.71	1.07
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.83	0.00	0.00	2.22	2.71
			2	1.42	0.00	0.34	3.81	5.10
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.04	0.00	0.00	0.00	0.00
			2	1.03	0.00	0.23	2.93	2.93
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.43	0.00	0.00	-0.15	2.29
5 - A1079 (W)	Entry	1	1	0.30	0.00	0.00	0.77	1.61
			2	0.70	0.00	0.00	1.82	2.69
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

08:15 - 08:30

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	1.35	0.00	0.47	2.77	3.63
			2	0.31	0.00	0.00	0.83	1.39
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.29	0.00	0.00	0.75	1.41
			2	0.19	0.00	0.00	0.46	0.76
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.56	0.00	0.00	1.46	2.60
			2	1.02	0.00	0.11	2.39	3.89
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.08	0.00	0.00	0.00	0.17
			2	0.78	0.00	0.00	2.95	2.95
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.13	0.00	0.00	0.00	0.66
5 - A1079 (W)	Entry	1	1	0.23	0.00	0.00	0.66	1.84
			2	0.61	0.00	0.00	1.46	2.53
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

Lane movements: Main Results for each time segment

07:00 - 07:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	24	6	1184	1012	0.024	24	25	0.0	0.0	9.011	A
				3	530	132	1184	977	0.542	536	554	0.0	1.0	8.694	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	123	31	1184	1001	0.122	121	117	0.0	0.2	4.549	A
				5	69	17	1184	926	0.075	70	71	0.0	0.0	4.806	A
	CircLink	1	1	1	62	16	-	-	-	62	77	0.0	0.0	0.000	A
				2	75	19	-	-	-	75	72	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	220	55	-	-	-	220	236	0.0	0.0	0.000	A
				4	26	6	-	-	-	26	24	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	75	19	-	-	-	75	72	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	220	55	-	-	-	220	236	0.0	0.0	0.000	A
				4	26	6	-	-	-	26	24	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	24	6	-	-	-	24	25	0.0	0.0	0.000	A
				3	530	132	-	-	-	530	558	0.0	0.0	0.000	A
				4	123	31	-	-	-	123	118	0.0	0.0	0.000	A
				5	69	17	-	-	-	69	71	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	140	35	1289	895	0.157	138	145	0.0	0.3	4.794	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	18	5	1289	898	0.020	18	18	0.0	0.0	4.570	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	30	7	1289	926	0.032	30	30	0.0	0.0	4.669	A
				5	94	23	1289	892	0.105	95	102	0.0	0.1	4.653	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	24	6	-	-	-	24	25	0.0	0.0	0.000	A
				3	536	134	-	-	-	536	554	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	121	30	-	-	-	121	117	0.0	0.0	0.000	A
				5	70	17	-	-	-	70	71	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	220	55	-	-	-	220	236	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	26	6	-	-	-	26	24	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	18	5	-	-	-	18	18	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	140	35	-	-	-	140	146	0.0	0.0	0.000	A
				4	30	7	-	-	-	30	30	0.0	0.0	0.000	A
				5	94	23	-	-	-	94	103	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	100	25	1076	900	0.111	98	113	0.0	0.2	6.705	A
				5	257	64	1076	914	0.281	257	266	0.0	0.5	6.753	A
			2	1	354	88	1076	884	0.399	352	388	0.0	0.9	7.788	A
				2	56	14	1076	904	0.062	55	61	0.0	0.2	7.755	A
				3	9	2	973	470	0.018	8	16	0.0	0.1	12.000	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	354	88	-	-	-	354	393	0.0	0.0	0.029	A
				2	56	14	-	-	-	56	61	0.0	0.0	0.017	A
				3	9	2	-	-	-	9	17	0.0	0.0	0.000	A
				4	100	25	-	-	-	100	114	0.0	0.0	0.048	A
				5	257	64	-	-	-	257	268	0.0	0.0	0.024	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	138	35	-	-	-	138	145	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	18	4	-	-	-	18	18	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	30	7	-	-	-	30	30	0.0	0.0	0.000	A
				5	95	24	-	-	-	95	102	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	26	6	-	-	-	26	24	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	18	4	-	-	-	18	18	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	16	4	769	534	0.030	16	18	0.0	0.0	7.673	A
				1	132	33	769	528	0.249	131	132	0.0	0.4	11.380	B
				2	32	8	769	553	0.059	33	31	0.0	0.1	10.600	B
			2	3	97	24	769	547	0.178	97	95	0.0	0.3	10.633	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	98	25	-	-	-	98	113	0.0	0.0	0.000	A
				5	257	64	-	-	-	257	266	0.0	0.0	0.000	A
				1	352	88	-	-	-	352	388	0.0	0.0	0.000	A
				2	55	14	-	-	-	55	61	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	8	2	-	-	-	8	16	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	352	88	-	-	-	352	388	0.0	0.0	0.000	A
				2	55	14	-	-	-	55	61	0.0	0.0	0.000	A
			2	3	8	2	-	-	-	8	16	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2		1	130	33	-	-	-	132	134	0.0	0.0	1.806	A
				2	33	8	-	-	-	32	32	0.0	0.0	1.721	A
			1	3	97	24	-	-	-	97	96	0.0	0.0	1.826	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	16	4	-	-	-	16	18	0.0	0.0	1.083	A
	Entry	1		1	62	15	1070	630	0.098	62	77	0.0	0.1	7.371	A
				2	76	19	1070	759	0.101	75	72	0.0	0.2	5.996	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	219	55	1070	729	0.300	220	236	0.0	0.5	8.030	A
				4	26	6	1070	771	0.033	26	24	0.0	0.0	7.737	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	16	4	-	-	-	16	18	0.0	0.0	0.000	A
				1	131	33	-	-	-	131	132	0.0	0.0	0.000	A
				2	33	8	-	-	-	33	31	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	97	24	-	-	-	97	95	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	131	33	-	-	-	131	132	0.0	0.0	0.000	A
				2	33	8	-	-	-	33	31	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	97	24	-	-	-	97	95	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	Entry	2		1	62	15	-	-	-	62	77	0.0	0.0	0.000	A
				2	76	19	-	-	-	76	72	0.0	0.0	0.000	A
			1	3	219	55	-	-	-	219	238	0.0	0.0	0.000	A
				4	26	6	-	-	-	26	24	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

07:15 - 07:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	30	8	1184	966	0.031	30	28	1.0	0.1	12.611	B
				3	642	161	1184	933	0.688	637	663	1.0	2.2	13.030	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	129	32	1184	952	0.136	129	137	0.2	0.1	4.501	A
				5	75	19	1184	884	0.085	76	84	0.2	0.1	4.929	A
	CircLink	1	1	1	74	19	-	-	-	74	88	0.0	0.0	0.000	A
				2	86	21	-	-	-	86	87	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	276	69	-	-	-	276	287	0.0	0.0	0.000	A
				4	30	7	-	-	-	30	30	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	86	21	-	-	-	86	87	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	276	69	-	-	-	276	287	0.0	0.0	0.000	A
				4	30	7	-	-	-	30	30	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	30	8	-	-	-	30	29	0.0	0.0	0.000	A
				3	642	161	-	-	-	642	668	0.0	0.0	0.000	A
				4	129	32	-	-	-	129	137	0.0	0.0	0.000	A
				5	75	19	-	-	-	75	85	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	162	40	1289	838	0.193	162	167	0.3	0.2	5.030	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	26	7	1289	827	0.032	25	23	0.2	0.1	5.594	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	38	9	1289	859	0.044	38	35	0.2	0.0	4.926	A
				5	120	30	1289	815	0.147	120	124	0.2	0.2	5.486	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	30	8	-	-	-	30	28	0.0	0.0	0.000	A
				3	637	159	-	-	-	637	663	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	129	32	-	-	-	129	137	0.0	0.0	0.000	A
				5	76	19	-	-	-	76	84	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	276	69	-	-	-	276	287	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	30	7	-	-	-	30	30	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	26	7	-	-	-	26	24	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	162	40	-	-	-	162	167	0.0	0.0	0.000	A
				4	38	9	-	-	-	38	35	0.0	0.0	0.000	A
				5	120	30	-	-	-	120	124	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	122	30	1076	876	0.139	121	132	0.7	0.3	8.029	A
				5	285	71	1076	897	0.319	285	308	0.7	0.6	8.132	A
			2	1	423	106	1076	871	0.485	421	454	1.2	1.3	9.573	A
				2	64	16	1076	865	0.074	64	70	1.2	0.1	9.814	A
				3	9	2	944	454	0.020	9	18	1.2	0.0	12.327	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	423	106	-	-	-	423	456	0.0	0.0	0.128	A
				2	64	16	-	-	-	64	70	0.0	0.0	0.136	A
				3	9	2	-	-	-	9	18	0.0	0.0	0.051	A
				4	122	30	-	-	-	122	133	0.0	0.0	0.114	A
				5	285	71	-	-	-	285	309	0.0	0.0	0.079	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	162	41	-	-	-	162	167	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	25	6	-	-	-	25	23	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	38	10	-	-	-	38	35	0.0	0.0	0.000	A
				5	120	30	-	-	-	120	124	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	30	7	-	-	-	30	30	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	25	6	-	-	-	25	23	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	24	6	769	480	0.049	23	21	0.0	0.1	7.311	A
				1	147	37	769	491	0.301	145	152	0.8	0.7	13.791	B
				2	42	10	769	518	0.081	42	40	0.8	0.2	14.096	B
			2	3	120	30	769	505	0.237	118	117	0.8	0.5	13.329	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	121	30	-	-	-	121	132	0.0	0.0	0.000	A
	CircLink	1		5	285	71	-	-	-	285	308	0.0	0.0	0.000	A
				1	421	105	-	-	-	421	454	0.0	0.0	0.000	A
				2	64	16	-	-	-	64	70	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	9	2	-	-	-	9	18	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	421	105	-	-	-	421	454	0.0	0.0	0.000	A
				2	64	16	-	-	-	64	70	0.0	0.0	0.000	A
			2	3	9	2	-	-	-	9	18	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	150	37	-	-	-	147	154	0.0	0.3	3.823	A
				2	42	11	-	-	-	42	40	0.0	0.1	3.464	A
	Entry	2	1	3	121	30	-	-	-	120	118	0.0	0.2	3.686	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	24	6	-	-	-	24	22	0.0	0.0	2.391	A
				1	73	18	1070	594	0.123	74	88	0.2	0.1	7.442	A
				2	86	22	1070	726	0.119	86	87	0.2	0.2	6.574	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	279	70	1070	695	0.400	276	287	0.5	1.0	9.262	A
				4	29	7	1070	737	0.040	30	30	0.5	0.0	7.964	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		5	23	6	-	-	-	23	21	0.0	0.0	0.000	A
				1	145	36	-	-	-	145	152	0.0	0.0	0.000	A
				2	42	11	-	-	-	42	40	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	118	30	-	-	-	118	117	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	145	36	-	-	-	145	152	0.0	0.0	0.000	A
				2	42	11	-	-	-	42	40	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	118	30	-	-	-	118	117	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	73	18	-	-	-	73	88	0.0	0.0	0.000	A
				2	86	22	-	-	-	86	87	0.0	0.0	0.000	A
	Entry	2	1	3	279	70	-	-	-	279	289	0.0	0.0	0.000	A
				4	29	7	-	-	-	29	30	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

07:30 - 07:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	39	10	1184	921	0.043	40	37	2.3	0.2	27.118	D
				3	771	193	1184	911	0.847	771	792	2.3	6.2	25.463	D
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	167	42	1184	921	0.180	167	171	0.2	0.3	5.450	A
				5	96	24	1184	856	0.113	96	112	0.2	0.2	5.693	A
	CircLink	1	1	1	88	22	-	-	-	88	105	0.0	0.0	0.000	A
				2	102	25	-	-	-	102	105	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	316	79	-	-	-	316	340	0.0	0.0	0.000	A
				4	35	9	-	-	-	35	34	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	102	25	-	-	-	102	105	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	316	79	-	-	-	316	340	0.0	0.0	0.000	A
				4	35	9	-	-	-	35	34	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	39	10	-	-	-	39	37	0.0	0.0	0.649	A
				3	769	192	-	-	-	771	809	0.0	0.2	0.723	A
				4	166	42	-	-	-	167	172	0.0	0.1	0.582	A
				5	96	24	-	-	-	96	113	0.0	0.0	0.540	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	204	51	1289	753	0.271	207	207	0.2	0.2	6.201	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	24	6	1289	748	0.032	24	28	0.3	0.0	7.024	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	43	11	1289	775	0.056	43	41	0.3	0.1	6.439	A
				5	144	36	1289	744	0.193	142	152	0.3	0.4	6.682	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	40	10	-	-	-	40	37	0.0	0.0	0.000	A
				3	771	193	-	-	-	771	792	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	167	42	-	-	-	167	171	0.0	0.0	0.000	A
				5	96	24	-	-	-	96	112	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	316	79	-	-	-	316	340	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	35	9	-	-	-	35	34	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	24	6	-	-	-	24	27	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	204	51	-	-	-	204	207	0.0	0.0	0.000	A
				4	43	11	-	-	-	43	42	0.0	0.0	0.000	A
				5	144	36	-	-	-	144	153	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	146	37	1076	864	0.169	148	164	0.9	0.4	9.668	A
				5	345	86	1076	872	0.397	346	370	0.9	1.0	9.731	A
			2	1	514	129	1076	842	0.612	516	550	1.4	1.8	14.264	B
				2	76	19	1076	843	0.089	78	86	1.4	0.3	14.475	B
				3	12	3	988	448	0.027	12	20	1.4	0.1	17.905	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	512	128	-	-	-	514	552	0.1	0.0	1.096	A
				2	76	19	-	-	-	76	86	0.1	0.0	0.991	A
				3	12	3	-	-	-	12	20	0.0	0.0	1.669	A
				4	146	37	-	-	-	146	165	0.0	0.0	1.185	A
				5	343	86	-	-	-	345	372	0.1	0.1	1.173	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	207	52	-	-	-	207	207	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	24	6	-	-	-	24	28	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	43	11	-	-	-	43	41	0.0	0.0	0.000	A
				5	142	36	-	-	-	142	152	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	35	9	-	-	-	35	34	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	24	6	-	-	-	24	28	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	24	6	758	429	0.057	25	24	0.1	0.1	8.724	A
	Entry	1		1	182	46	769	438	0.417	183	184	1.3	1.1	18.961	C
				2	48	12	769	457	0.106	49	46	1.3	0.2	18.828	C
			2	3	140	35	769	450	0.311	140	139	1.3	0.7	18.509	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	148	37	-	-	-	148	164	0.0	0.0	0.000	A
				5	346	87	-	-	-	346	370	0.0	0.0	0.000	A
	CircLink	1		1	516	129	-	-	-	516	550	0.0	0.0	0.000	A
				2	78	19	-	-	-	78	86	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	12	3	-	-	-	12	20	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	516	129	-	-	-	516	550	0.0	0.0	0.000	A
				2	78	19	-	-	-	78	86	0.0	0.0	0.000	A
			2	3	12	3	-	-	-	12	20	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	181	45	-	-	-	182	186	0.6	1.1	17.090	C
				2	49	12	-	-	-	48	46	0.6	0.3	17.349	C
	Entry	2	1	3	139	35	-	-	-	140	140	0.6	0.9	16.879	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	24	6	-	-	-	24	24	0.6	0.1	13.911	B
				1	87	22	1070	575	0.153	88	105	0.2	0.2	8.524	A
				2	99	25	1070	682	0.146	102	105	0.2	0.2	7.720	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	318	79	1070	651	0.488	316	340	1.0	1.1	12.064	B
				4	36	9	1070	692	0.051	35	34	1.0	0.2	11.548	B
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		5	25	6	-	-	-	25	24	0.0	0.0	0.000	A
				1	183	46	-	-	-	183	184	0.0	0.0	0.000	A
				2	49	12	-	-	-	49	46	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	140	35	-	-	-	140	139	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	183	46	-	-	-	183	184	0.0	0.0	0.000	A
				2	49	12	-	-	-	49	46	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	140	35	-	-	-	140	139	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	87	22	-	-	-	87	105	0.0	0.0	0.000	A
				2	99	25	-	-	-	99	105	0.0	0.0	0.000	A
	Entry	2	1	3	318	79	-	-	-	318	340	0.0	0.0	0.000	A
				4	36	9	-	-	-	36	35	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

07:45 - 08:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	37	9	1184	938	0.040	39	37	6.5	0.3	29.911	D
				3	774	193	1184	899	0.860	776	802	6.5	6.8	30.104	D
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	172	43	1184	917	0.188	171	169	0.5	0.3	6.136	A
				5	99	25	1184	863	0.115	100	109	0.5	0.1	6.285	A
	CircLink	1	1	1	86	22	-	-	-	86	108	0.0	0.0	0.000	A
				2	106	26	-	-	-	106	103	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	324	81	-	-	-	324	349	0.0	0.0	0.000	A
				4	38	9	-	-	-	38	39	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	106	26	-	-	-	106	103	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	324	81	-	-	-	324	349	0.0	0.0	0.000	A
				4	38	9	-	-	-	38	39	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	37	9	-	-	-	37	38	0.0	0.0	1.538	A
				3	769	192	-	-	-	774	803	0.2	0.0	1.671	A
				4	172	43	-	-	-	172	169	0.2	0.0	1.547	A
				5	99	25	-	-	-	99	109	0.2	0.0	1.427	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	200	50	1289	749	0.267	198	203	0.2	0.4	6.482	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	24	6	1289	716	0.034	23	30	0.5	0.1	6.768	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	43	11	1289	775	0.055	43	44	0.5	0.1	6.704	A
				5	150	38	1289	728	0.207	151	158	0.5	0.3	6.618	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	39	10	-	-	-	39	37	0.0	0.0	0.000	A
				3	776	194	-	-	-	776	802	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	171	43	-	-	-	171	169	0.0	0.0	0.000	A
				5	100	25	-	-	-	100	109	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	324	81	-	-	-	324	349	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	38	9	-	-	-	38	39	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	24	6	-	-	-	24	30	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	200	50	-	-	-	200	204	0.0	0.0	0.000	A
				4	43	11	-	-	-	43	44	0.0	0.0	0.000	A
				5	150	38	-	-	-	150	158	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	147	37	1076	855	0.172	149	159	1.4	0.3	9.977	A
				5	352	88	1076	861	0.409	352	377	1.4	0.8	10.172	B
			2	1	513	128	1076	842	0.607	511	556	2.1	2.0	14.319	B
				2	85	21	1076	834	0.102	85	88	2.1	0.3	14.307	B
				3	9	2	988	450	0.020	9	18	2.1	0.0	13.983	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	515	129	-	-	-	513	557	0.1	0.4	1.429	A
				2	86	21	-	-	-	85	89	0.1	0.0	1.133	A
				3	9	2	-	-	-	9	18	0.0	0.0	1.084	A
				4	146	37	-	-	-	147	159	0.1	0.1	1.202	A
				5	352	88	-	-	-	352	376	0.1	0.2	1.162	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	198	50	-	-	-	198	203	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	23	6	-	-	-	23	30	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	43	11	-	-	-	43	44	0.0	0.0	0.000	A
				5	151	38	-	-	-	151	158	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	38	9	-	-	-	38	39	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	23	6	-	-	-	23	30	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	21	5	769	423	0.050	21	25	0.1	0.0	8.049	A
				1	172	43	769	439	0.391	173	186	2.0	0.9	19.852	C
				2	49	12	769	452	0.109	49	49	2.0	0.3	19.469	C
			2	3	135	34	769	441	0.304	135	136	2.0	0.6	20.326	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	149	37	-	-	-	149	159	0.0	0.0	0.000	A
	CircLink	1		5	352	88	-	-	-	352	377	0.0	0.0	0.000	A
				1	511	128	-	-	-	511	556	0.0	0.0	0.000	A
				2	85	21	-	-	-	85	88	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	9	2	-	-	-	9	18	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	511	128	-	-	-	511	556	0.0	0.0	0.000	A
				2	85	21	-	-	-	85	88	0.0	0.0	0.000	A
			2	3	9	2	-	-	-	9	18	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	178	44	-	-	-	172	185	2.4	1.6	27.041	D
				2	49	12	-	-	-	49	50	2.4	0.4	28.937	D
	Entry	2	1	3	134	33	-	-	-	135	136	2.4	1.4	29.944	D
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	22	5	-	-	-	21	25	2.4	0.2	25.468	D
				1	87	22	1070	579	0.152	86	108	0.3	0.3	9.670	A
				2	104	26	1070	688	0.151	106	103	0.3	0.2	8.502	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	321	80	1070	652	0.491	324	349	1.2	1.1	12.658	B
				4	38	9	1070	691	0.055	38	39	1.2	0.1	12.106	B
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		5	21	5	-	-	-	21	25	0.0	0.0	0.000	A
				1	173	43	-	-	-	173	186	0.0	0.0	0.000	A
				2	49	12	-	-	-	49	49	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	135	34	-	-	-	135	136	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	173	43	-	-	-	173	186	0.0	0.0	0.000	A
				2	49	12	-	-	-	49	49	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	135	34	-	-	-	135	136	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	87	22	-	-	-	87	108	0.0	0.0	0.000	A
				2	104	26	-	-	-	104	103	0.0	0.0	0.000	A
	Entry	2	1	3	321	80	-	-	-	321	349	0.0	0.0	0.000	A
				4	38	9	-	-	-	38	39	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

08:00 - 08:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	29	7	1184	960	0.031	29	31	7.1	0.1	14.803	B
				3	625	156	1184	944	0.662	619	681	7.1	2.6	15.708	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	143	36	1184	961	0.148	143	140	0.5	0.2	4.866	A
				5	82	21	1184	904	0.091	83	86	0.5	0.1	5.239	A
	CircLink	1	1	1	72	18	-	-	-	72	87	0.0	0.0	0.000	A
				2	85	21	-	-	-	85	86	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	266	66	-	-	-	266	282	0.0	0.0	0.000	A
				4	28	7	-	-	-	28	30	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	85	21	-	-	-	85	86	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	266	66	-	-	-	266	282	0.0	0.0	0.000	A
				4	28	7	-	-	-	28	30	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	29	7	-	-	-	29	30	0.0	0.0	0.000	A
				3	625	156	-	-	-	625	664	0.0	0.0	0.011	A
				4	143	36	-	-	-	143	139	0.0	0.0	0.012	A
				5	82	21	-	-	-	82	86	0.0	0.0	0.037	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	148	37	1289	836	0.177	147	164	0.4	0.2	5.513	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	24	6	1289	833	0.029	24	24	0.5	0.0	6.280	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	31	8	1289	860	0.036	30	34	0.5	0.0	5.825	A
				5	117	29	1289	816	0.143	117	125	0.5	0.2	6.233	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	29	7	-	-	-	29	31	0.0	0.0	0.000	A
				3	619	155	-	-	-	619	681	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	143	36	-	-	-	143	140	0.0	0.0	0.000	A
				5	83	21	-	-	-	83	86	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	266	66	-	-	-	266	282	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	28	7	-	-	-	28	30	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	24	6	-	-	-	24	23	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	148	37	-	-	-	148	163	0.0	0.0	0.000	A
				4	31	8	-	-	-	31	34	0.0	0.0	0.000	A
				5	117	29	-	-	-	117	125	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	132	33	1076	896	0.146	131	135	1.1	0.2	7.600	A
				5	279	70	1076	888	0.314	277	312	1.1	0.7	7.499	A
			2	1	420	105	1076	870	0.483	420	463	2.4	1.2	10.699	B
				2	64	16	1076	876	0.073	65	71	2.4	0.2	11.106	B
				3	9	2	1017	464	0.019	9	18	2.4	0.0	13.642	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	420	105	-	-	-	420	460	0.7	0.0	0.211	A
				2	64	16	-	-	-	64	71	0.7	0.0	0.193	A
				3	9	2	-	-	-	9	18	0.7	0.0	0.348	A
				4	132	33	-	-	-	132	134	0.7	0.0	0.145	A
				5	279	70	-	-	-	279	311	0.7	0.0	0.122	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	147	37	-	-	-	147	164	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	24	6	-	-	-	24	24	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	30	8	-	-	-	30	34	0.0	0.0	0.000	A
				5	117	29	-	-	-	117	125	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	28	7	-	-	-	28	30	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	24	6	-	-	-	24	24	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	20	5	769	479	0.043	21	24	0.0	0.0	7.981	A
				1	148	37	769	496	0.298	149	167	1.9	0.5	15.734	C
				2	38	9	769	508	0.074	38	39	1.9	0.1	15.852	C
			2	3	113	28	769	503	0.224	114	122	1.9	0.4	16.019	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	131	33	-	-	-	131	135	0.0	0.0	0.000	A
				5	277	69	-	-	-	277	312	0.0	0.0	0.000	A
				1	420	105	-	-	-	420	463	0.0	0.0	0.000	A
				2	65	16	-	-	-	65	71	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	9	2	-	-	-	9	18	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	420	105	-	-	-	420	463	0.0	0.0	0.000	A
				2	65	16	-	-	-	65	71	0.0	0.0	0.000	A
			2	3	9	2	-	-	-	9	18	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2		1	147	37	-	-	-	148	165	3.5	0.2	12.148	B
				2	37	9	-	-	-	38	39	3.5	0.1	12.716	B
			1	3	110	27	-	-	-	113	121	3.5	0.1	12.300	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	20	5	-	-	-	20	24	3.5	0.0	12.006	B
	Entry	1		1	73	18	1070	608	0.121	72	87	0.5	0.2	7.809	A
				2	85	21	1070	725	0.117	85	86	0.5	0.1	6.369	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	265	66	1070	693	0.383	266	282	1.2	0.6	9.630	A
				4	27	7	1070	735	0.037	28	30	1.2	0.1	9.509	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	21	5	-	-	-	21	24	0.0	0.0	0.000	A
				1	149	37	-	-	-	149	167	0.0	0.0	0.000	A
				2	38	10	-	-	-	38	39	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	114	28	-	-	-	114	122	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	149	37	-	-	-	149	167	0.0	0.0	0.000	A
				2	38	10	-	-	-	38	39	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	114	28	-	-	-	114	122	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	Entry	2		1	73	18	-	-	-	73	87	0.0	0.0	0.000	A
				2	85	21	-	-	-	85	86	0.0	0.0	0.000	A
			1	3	265	66	-	-	-	265	280	0.0	0.0	0.000	A
				4	27	7	-	-	-	27	29	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

08:15 - 08:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	22	6	1184	975	0.023	22	25	2.7	0.1	7.666	A
				3	530	133	1184	962	0.551	529	560	2.7	1.3	8.768	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	114	28	1184	988	0.116	113	115	0.2	0.2	4.381	A
				5	64	16	1184	917	0.070	64	75	0.2	0.1	4.748	A
	CircLink	1	1	1	64	16	-	-	-	64	75	0.0	0.0	0.000	A
				2	76	19	-	-	-	76	74	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	229	57	-	-	-	229	241	0.0	0.0	0.000	A
				4	27	7	-	-	-	27	25	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	76	19	-	-	-	76	74	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	229	57	-	-	-	229	241	0.0	0.0	0.000	A
				4	27	7	-	-	-	27	25	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	22	6	-	-	-	22	24	0.0	0.0	0.000	A
				3	530	133	-	-	-	530	555	0.0	0.0	0.000	A
				4	114	28	-	-	-	114	116	0.0	0.0	0.000	A
				5	64	16	-	-	-	64	75	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	135	34	1289	906	0.149	134	138	0.2	0.3	4.743	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	18	5	1289	895	0.021	18	19	0.3	0.0	4.785	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	30	7	1289	930	0.032	30	29	0.3	0.0	4.312	A
				5	98	24	1289	901	0.109	98	107	0.3	0.1	4.983	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	22	5	-	-	-	22	25	0.0	0.0	0.000	A
				3	529	132	-	-	-	529	560	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	113	28	-	-	-	113	115	0.0	0.0	0.000	A
				5	64	16	-	-	-	64	75	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	229	57	-	-	-	229	241	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	27	7	-	-	-	27	25	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	18	5	-	-	-	18	19	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	135	34	-	-	-	135	138	0.0	0.0	0.000	A
				4	30	7	-	-	-	30	29	0.0	0.0	0.000	A
				5	98	24	-	-	-	98	107	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	101	25	1076	914	0.111	101	113	0.9	0.1	6.628	A
				5	239	60	1076	910	0.262	239	262	0.9	0.5	6.538	A
			2	1	354	88	1076	882	0.399	353	385	1.4	0.9	8.577	A
				2	54	13	1076	892	0.060	54	60	1.4	0.1	8.631	A
				3	8	2	958	450	0.018	8	17	1.4	0.0	11.086	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	354	88	-	-	-	354	384	0.0	0.0	0.085	A
				2	54	13	-	-	-	54	59	0.0	0.0	0.074	A
				3	8	2	-	-	-	8	17	0.0	0.0	0.000	A
				4	101	25	-	-	-	101	113	0.0	0.0	0.070	A
				5	239	60	-	-	-	239	261	0.0	0.0	0.059	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	134	33	-	-	-	134	138	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	18	5	-	-	-	18	19	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	30	8	-	-	-	30	29	0.0	0.0	0.000	A
				5	98	24	-	-	-	98	107	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	27	7	-	-	-	27	25	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	18	5	-	-	-	18	19	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	19	5	769	539	0.036	19	19	0.0	0.1	7.091	A
				1	126	31	769	540	0.232	125	134	1.0	0.4	11.650	B
				2	31	8	769	553	0.057	31	33	1.0	0.1	11.657	B
			2	3	94	23	769	546	0.172	93	98	1.0	0.3	11.998	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	101	25	-	-	-	101	113	0.0	0.0	0.000	A
				5	239	60	-	-	-	239	262	0.0	0.0	0.000	A
				1	353	88	-	-	-	353	385	0.0	0.0	0.000	A
				2	54	14	-	-	-	54	60	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	8	2	-	-	-	8	17	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	353	88	-	-	-	353	385	0.0	0.0	0.000	A
				2	54	14	-	-	-	54	60	0.0	0.0	0.000	A
			2	3	8	2	-	-	-	8	17	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2		1	125	31	-	-	-	126	133	0.4	0.1	2.518	A
				2	31	8	-	-	-	31	33	0.4	0.0	1.782	A
			1	3	94	23	-	-	-	94	98	0.4	0.0	2.862	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	19	5	-	-	-	19	19	0.4	0.0	1.559	A
	Entry	1		1	64	16	1070	652	0.099	64	75	0.3	0.1	7.045	A
				2	76	19	1070	773	0.099	76	74	0.3	0.1	6.184	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	231	58	1070	727	0.317	229	241	0.6	0.5	7.427	A
				4	27	7	1070	772	0.035	27	25	0.6	0.1	7.154	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	19	5	-	-	-	19	19	0.0	0.0	0.000	A
				1	125	31	-	-	-	125	134	0.0	0.0	0.000	A
				2	31	8	-	-	-	31	33	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	93	23	-	-	-	93	98	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	125	31	-	-	-	125	134	0.0	0.0	0.000	A
				2	31	8	-	-	-	31	33	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	93	23	-	-	-	93	98	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	Entry	2		1	64	16	-	-	-	64	75	0.0	0.0	0.000	A
				2	76	19	-	-	-	76	74	0.0	0.0	0.000	A
			1	3	231	58	-	-	-	231	240	0.0	0.0	0.000	A
				4	27	7	-	-	-	27	25	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

Base 2026 + Committed Development + Concurrent Scenario, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.
Info	Simulation	A1 - [Lane Simulation]	This run uses Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	Killingwoldgraves Roundabout	Standard Roundabout	✓	1, 2, 3, 4, 5	39.64	E

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	39.64	E

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D8	Base 2026 + Committed Development + Concurrent Scenario	PM	ONE HOUR	16:15	17:45	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1 - A1035 (N)		ONE HOUR	✓	762	100.000
2 - A1174 (E)		ONE HOUR	✓	366	100.000
3 - A1079 (S)		ONE HOUR	✓	958	100.000
4 - Killingwoldgraves Lane		ONE HOUR	✓	474	100.000
5 - A1079 (W)		ONE HOUR	✓	721	100.000

Origin-Destination Data

Demand (Veh/hr)

		To				
		1 - A1035 (N)	2 - A1174 (E)	3 - A1079 (S)	4 - Killingwoldgraves Lane	5 - A1079 (W)
From	1 - A1035 (N)	0	31	525	128	78
	2 - A1174 (E)	36	0	137	51	142
	3 - A1079 (S)	422	131	46	104	255
	4 - Killingwoldgraves Lane	238	84	125	0	27
	5 - A1079 (W)	129	177	402	13	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80

Heavy Vehicle %

		To				
		1 - A1035 (N)	2 - A1174 (E)	3 - A1079 (S)	4 - Killingwoldgraves Lane	5 - A1079 (W)
From	1 - A1035 (N)	0	0	4	2	10
	2 - A1174 (E)	0	0	2	0	4
	3 - A1079 (S)	3	5	19	2	4
	4 - Killingwoldgraves Lane	1	0	3	0	4
	5 - A1079 (W)	8	5	5	0	0

Cyclist %

		To				
		1 - A1035 (N)	2 - A1174 (E)	3 - A1079 (S)	4 - Killingwoldgraves Lane	5 - A1079 (W)
From	1 - A1035 (N)	0	0	0	0	0
	2 - A1174 (E)	0	0	0	0	0
	3 - A1079 (S)	0	0	0	0	0
	4 - Killingwoldgraves Lane	0	0	0	0	0
	5 - A1079 (W)	0	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
1 - A1035 (N)	15.13	3.1	16.4	C	701	1052
2 - A1174 (E)	6.70	0.9	4.9	A	334	501
3 - A1079 (S)	12.03	3.9	18.2	B	862	1293
4 - Killingwoldgraves Lane	192.84	28.9	67.0	F	436	654
5 - A1079 (W)	19.62	5.5	32.2	C	655	983

Main Results for each time segment

16:15 - 16:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	562	141	710	560	604	645	0.0	0.8	7.130	A
2 - A1174 (E)	283	71	977	284	288	293	0.0	0.1	4.702	A
3 - A1079 (S)	719	180	330	719	738	930	0.0	1.2	7.162	A
4 - Killingwoldgraves Lane	361	90	834	362	353	215	0.0	1.5	16.325	C
5 - A1079 (W)	524	131	829	526	575	367	0.0	1.5	8.120	A

16:30 - 16:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	696	174	872	706	711	742	0.8	1.1	8.221	A
2 - A1174 (E)	351	88	1190	355	340	389	0.1	0.3	5.188	A
3 - A1079 (S)	842	211	421	845	877	1125	1.2	1.8	7.418	A
4 - Killingwoldgraves Lane	430	107	993	443	426	273	1.5	3.6	27.716	D
5 - A1079 (W)	647	162	970	645	694	466	1.5	2.1	11.236	B

16:45 - 17:00

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	871	218	1033	871	875	881	1.1	3.0	12.933	B
2 - A1174 (E)	382	96	1471	380	398	432	0.3	0.9	6.399	A
3 - A1079 (S)	1057	264	518	1070	1095	1333	1.8	3.7	11.019	B
4 - Killingwoldgraves Lane	517	129	1249	483	471	339	3.6	18.7	93.741	F
5 - A1079 (W)	769	192	1146	767	831	586	2.1	5.5	19.247	C

17:00 - 17:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	817	204	1061	840	881	895	3.0	3.0	15.131	C
2 - A1174 (E)	408	102	1464	413	414	438	0.9	0.6	6.697	A
3 - A1079 (S)	1018	254	502	1014	1091	1377	3.7	4.0	12.029	B
4 - Killingwoldgraves Lane	522	130	1203	492	481	310	18.7	28.9	192.845	F
5 - A1079 (W)	791	198	1140	817	852	555	5.5	2.8	19.618	C

17:15 - 17:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	681	170	933	695	716	762	3.0	1.1	9.536	A
2 - A1174 (E)	314	78	1217	315	338	412	0.6	0.5	5.447	A
3 - A1079 (S)	837	209	377	840	910	1154	4.0	1.7	9.594	A
4 - Killingwoldgraves Lane	452	113	960	494	515	258	28.9	10.2	122.768	F
5 - A1079 (W)	663	166	1035	660	710	419	2.8	2.3	13.185	B

17:30 - 17:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	579	145	727	578	600	588	1.1	1.0	7.081	A
2 - A1174 (E)	268	67	998	267	278	308	0.5	0.3	4.695	A
3 - A1079 (S)	695	174	327	685	735	938	1.7	1.5	6.709	A
4 - Killingwoldgraves Lane	337	84	802	339	388	210	10.2	1.4	30.430	D
5 - A1079 (W)	538	134	770	545	573	371	2.3	1.1	8.894	A

Queue Variation Results for each time segment

16:15 - 16:30

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	0.77	0.00	0.06	1.81	3.82
2 - A1174 (E)	0.14	0.00	0.00	0.98	0.98
3 - A1079 (S)	1.23	0.00	0.12	5.72	5.72
4 - Killingwoldgraves Lane	1.50	0.00	0.10	8.88	8.88
5 - A1079 (W)	1.49	0.00	0.41	2.46	7.58

16:30 - 16:45

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	1.20	0.00	0.42	3.87	3.87
2 - A1174 (E)	0.28	0.00	0.00	0.98	0.98
3 - A1079 (S)	1.84	0.00	0.87	4.73	7.72
4 - Killingwoldgraves Lane	3.52	0.00	2.34	6.70	16.74
5 - A1079 (W)	2.15	0.00	1.10	4.19	5.66

16:45 - 17:00

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	3.10	0.00	1.56	9.39	13.41
2 - A1174 (E)	0.93	0.00	0.10	1.75	4.90
3 - A1079 (S)	3.74	0.00	2.71	4.22	18.20
4 - Killingwoldgraves Lane	18.72	3.02	16.83	32.37	39.60
5 - A1079 (W)	5.50	0.02	2.37	9.76	32.20

17:00 - 17:15

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	3.04	0.00	1.81	4.45	16.43
2 - A1174 (E)	0.65	0.00	0.00	1.42	4.91
3 - A1079 (S)	3.88	0.00	2.39	8.94	11.47
4 - Killingwoldgraves Lane	28.86	2.17	26.12	44.15	67.02
5 - A1079 (W)	2.85	0.01	1.78	4.57	10.47

17:15 - 17:30

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	1.24	0.00	0.10	3.33	5.79
2 - A1174 (E)	0.47	0.00	0.00	0.77	4.91
3 - A1079 (S)	1.59	0.00	0.84	2.67	6.68
4 - Killingwoldgraves Lane	10.23	0.41	4.43	25.91	36.45
5 - A1079 (W)	2.30	0.00	1.42	4.64	11.35

17:30 - 17:45

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	0.96	0.00	0.27	1.83	5.77
2 - A1174 (E)	0.33	0.00	0.00	0.71	2.94
3 - A1079 (S)	1.60	0.00	0.48	2.69	9.59
4 - Killingwoldgraves Lane	1.44	0.00	0.29	3.82	6.85
5 - A1079 (W)	1.14	0.00	0.34	2.34	5.72

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

16:15 - 16:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	418	918	0.455	415	442	0.0	0.6	8.082	A
			2	1, 4, 5	145	899	0.161	145	161	0.0	0.1	4.508	A
		2	1	(1, 2, 3, 4, 5)	562			562	607	0.0	0.0	0.000	A
	Exit	1	1		645			645	642	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	913			913	945	0.0	0.0	0.000	A
			2	3, 4, 5	442			442	455	0.0	0.0	0.000	A
	CircBase	1	1	2	268			268	303	0.0	0.0	0.000	A
			2	3, 4, 5	442			442	455	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	107	938	0.114	106	108	0.0	0.1	4.852	A
			2	1, 2, 4, 5	176	942	0.187	178	181	0.0	0.0	4.614	A
		2	1	(1, 2, 3, 4, 5)	283			283	289	0.0	0.0	0.000	A
	Exit	1	1		293			293	325	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1117			1117	1192	0.0	0.0	0.000	A
			2	1, 4, 5	153			153	170	0.0	0.0	0.000	A
	CircBase	1	1	3	823			823	867	0.0	0.0	0.000	A
			2	1, 4, 5	153			153	170	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	262	952	0.275	259	272	0.0	0.4	5.230	A
			2	1, 2, 3	457	927	0.492	460	466	0.0	0.8	8.271	A
		2	1	(1, 2, 3, 4, 5)	719			719	743	0.0	0.0	0.024	A
	Exit	1	1		930			930	974	0.0	0.0	0.000	A
	CircLink	1	1	3	930			930	974	0.0	0.0	0.000	A
			2	1, 2, 4, 5	330			330	350	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	302			302	324	0.0	0.0	0.000	A
			2	1, 2	29			29	26	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	20	562	0.036	21	21	0.0	0.0	7.085	A
			2	1, 2, 3	338	555	0.607	341	333	0.0	1.0	12.896	B
	Exit	1	1		215			215	220	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	561			561	596	0.0	0.0	0.000	A
			2	1, 2, 3	489			489	493	0.0	0.0	0.000	A
	CircBase	1	1	5	346			346	376	0.0	0.0	0.000	A
			2	1, 2, 3	489			489	493	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	361			358	357	0.0	0.6	3.712	A
5 - A1079 (W)	Entry	1	1	1, 2	210	698	0.300	214	255	0.0	0.4	8.015	A
			2	3, 4, 5	314	708	0.444	311	320	0.0	1.1	8.203	A
	CircBase	1	1	1, 2	699			699	690	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	524			524	581	0.0	0.0	0.000	A
	Exit	1	1		367			367	397	0.0	0.0	0.000	A
	CircLink	1	1	5	367			367	397	0.0	0.0	0.000	A
			2	1, 2, 3, 4	829			829	825	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	130			130	135	0.0	0.0	0.000	A

16:30 - 16:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	503	878	0.575	513	511	0.6	0.8	9.212	A
			2	1, 4, 5	194	867	0.223	193	200	0.1	0.2	5.625	A
		2	1	(1, 2, 3, 4, 5)	696			696	713	0.0	0.0	0.000	A
	Exit	1	1		742			742	742	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	1103			1103	1111	0.0	0.0	0.000	A
			2	3, 4, 5	511			511	561	0.0	0.0	0.000	A
	CircBase	1	1	2	361			361	370	0.0	0.0	0.000	A
			2	3, 4, 5	511			511	561	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	135	862	0.155	138	133	0.1	0.1	4.945	A
			2	1, 2, 4, 5	216	880	0.246	217	207	0.0	0.2	5.342	A
		2	1	(1, 2, 3, 4, 5)	351			351	341	0.0	0.0	0.000	A
	Exit	1	1		389			389	398	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1375			1375	1433	0.0	0.0	0.000	A
			2	1, 4, 5	204			204	209	0.0	0.0	0.000	A
	CircBase	1	1	3	986			986	1035	0.0	0.0	0.000	A
			2	1, 4, 5	204			204	209	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	334	918	0.364	335	335	0.4	0.5	5.670	A
			2	1, 2, 3	509	927	0.547	510	542	0.8	1.3	8.464	A
		2	1	(1, 2, 3, 4, 5)	842			842	880	0.0	0.0	0.024	A
	Exit	1	1		1125			1125	1168	0.0	0.0	0.000	A
	CircLink	1	1	3	1125			1125	1168	0.0	0.0	0.000	A
			2	1, 2, 4, 5	421			421	416	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	380			380	381	0.0	0.0	0.000	A
			2	1, 2	41			41	35	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	26	514	0.050	25	24	0.0	0.1	7.653	A
			2	1, 2, 3	417	518	0.803	418	401	1.0	1.9	15.886	C
	Exit	1	1		273			273	264	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	714			714	716	0.0	0.0	0.000	A
			2	1, 2, 3	552			552	577	0.0	0.0	0.000	A
	CircBase	1	1	5	442			442	452	0.0	0.0	0.000	A
			2	1, 2, 3	552			552	577	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	430			442	430	0.6	1.6	12.256	B
5 - A1079 (W)	Entry	1	1	1, 2	282	661	0.429	283	294	0.4	0.8	9.950	A
			2	3, 4, 5	365	671	0.541	362	399	1.1	1.2	12.172	B
	CircBase	1	1	1, 2	820			820	817	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	647			647	697	0.0	0.0	0.000	A
	Exit	1	1		466			466	477	0.0	0.0	0.000	A
	CircLink	1	1	5	466			466	477	0.0	0.0	0.000	A
			2	1, 2, 3, 4	970			970	978	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	149			149	161	0.0	0.0	0.000	A

16:45 - 17:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	602	821	0.738	602	627	0.8	2.4	15.527	C
			2	1, 4, 5	267	816	0.327	269	248	0.2	0.6	6.270	A
		2	1	(1, 2, 3, 4, 5)	871			871	883	0.0	0.0	0.000	A
	Exit	1	1		881			881	902	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	1285			1285	1339	0.0	0.0	0.000	A
			2	3, 4, 5	629			629	658	0.0	0.0	0.000	A
	CircBase	1	1	2	404			404	437	0.0	0.0	0.000	A
			2	3, 4, 5	629			629	658	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	145	783	0.185	142	149	0.1	0.3	5.765	A
			2	1, 2, 4, 5	238	783	0.303	238	249	0.2	0.6	6.779	A
		2	1	(1, 2, 3, 4, 5)	382			382	401	0.0	0.0	0.000	A
	Exit	1	1		432			432	470	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1623			1623	1709	0.0	0.0	0.000	A
			2	1, 4, 5	281			281	261	0.0	0.0	0.000	A
	CircBase	1	1	3	1191			1191	1239	0.0	0.0	0.000	A
			2	1, 4, 5	281			281	261	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	409	887	0.461	418	415	0.5	0.5	7.435	A
			2	1, 2, 3	646	891	0.726	652	679	1.3	2.7	12.626	B
		2	1	(1, 2, 3, 4, 5)	1057			1055	1101	0.0	0.5	0.335	A
	Exit	1	1		1333			1333	1388	0.0	0.0	0.000	A
	CircLink	1	1	3	1333			1333	1388	0.0	0.0	0.000	A
			2	1, 2, 4, 5	518			518	510	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	479			479	468	0.0	0.0	0.000	A
			2	1, 2	39			39	42	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	29	435	0.067	28	27	0.1	0.1	8.374	A
			2	1, 2, 3	457	459	0.996	455	444	1.9	3.0	20.916	C
	Exit	1	1		339			339	326	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	897			897	883	0.0	0.0	0.000	A
			2	1, 2, 3	691			691	722	0.0	0.0	0.000	A
	CircBase	1	1	5	558			558	558	0.0	0.0	0.000	A
			2	1, 2, 3	691			691	722	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	517			486	476	1.6	15.6	73.189	F
5 - A1079 (W)	Entry	1	1	1, 2	313	636	0.489	321	355	0.8	0.9	10.866	B
			2	3, 4, 5	451	622	0.731	446	477	1.2	3.7	22.284	C
	CircBase	1	1	1, 2	964			964	984	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	769			765	842	0.0	0.9	1.495	A
	Exit	1	1		586			586	585	0.0	0.0	0.000	A
	CircLink	1	1	5	586			586	585	0.0	0.0	0.000	A
			2	1, 2, 3, 4	1146			1146	1166	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	182			182	182	0.0	0.0	0.000	A

17:00 - 17:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	592	820	0.721	612	634	2.4	2.7	18.325	C
			2	1, 4, 5	225	813	0.276	228	247	0.6	0.3	6.795	A
		2	1	(1, 2, 3, 4, 5)	817			817	880	0.0	0.0	0.003	A
	Exit	1	1		895			895	900	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	1301			1301	1334	0.0	0.0	0.000	A
			2	3, 4, 5	656			656	687	0.0	0.0	0.000	A
	CircBase	1	1	2	405			405	434	0.0	0.0	0.000	A
			2	3, 4, 5	656			656	687	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	159	799	0.199	159	154	0.3	0.3	5.838	A
			2	1, 2, 4, 5	249	786	0.317	254	260	0.6	0.3	7.214	A
		2	1	(1, 2, 3, 4, 5)	408			408	412	0.0	0.0	0.000	A
	Exit	1	1		438			438	468	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1655			1655	1740	0.0	0.0	0.000	A
			2	1, 4, 5	246			246	262	0.0	0.0	0.000	A
	CircBase	1	1	3	1218			1218	1272	0.0	0.0	0.000	A
			2	1, 4, 5	246			246	262	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	371	900	0.412	372	407	0.5	0.4	7.368	A
			2	1, 2, 3	650	889	0.730	642	683	2.7	3.4	14.438	B
		2	1	(1, 2, 3, 4, 5)	1018			1020	1093	0.5	0.1	0.258	A
	Exit	1	1		1377			1377	1426	0.0	0.0	0.000	A
	CircLink	1	1	3	1377			1377	1426	0.0	0.0	0.000	A
			2	1, 2, 4, 5	502			502	522	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	463			463	486	0.0	0.0	0.000	A
			2	1, 2	37			37	36	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	31	464	0.070	31	31	0.1	0.1	9.305	A
			2	1, 2, 3	462	466	0.991	461	450	3.0	3.0	23.539	C
	Exit	1	1		310			310	335	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	835			835	893	0.0	0.0	0.000	A
			2	1, 2, 3	679			679	719	0.0	0.0	0.000	A
	CircBase	1	1	5	525			525	558	0.0	0.0	0.000	A
			2	1, 2, 3	679			679	719	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	522			494	481	15.6	25.9	170.637	F
5 - A1079 (W)	Entry	1	1	1, 2	333	626	0.532	341	361	0.9	0.7	11.919	B
			2	3, 4, 5	461	634	0.728	477	491	3.7	2.0	23.308	C
	CircBase	1	1	1, 2	961			961	974	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	791			794	845	0.9	0.0	1.377	A
	Exit	1	1		555			555	590	0.0	0.0	0.000	A
	CircLink	1	1	5	555			555	590	0.0	0.0	0.000	A
			2	1, 2, 3, 4	1140			1140	1169	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	179			179	196	0.0	0.0	0.000	A

17:15 - 17:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	503	859	0.586	515	527	2.7	1.0	10.953	B
			2	1, 4, 5	177	857	0.208	181	189	0.3	0.2	5.579	A
		2	1	(1, 2, 3, 4, 5)	681			681	709	0.0	0.0	0.000	A
	Exit	1	1		762			762	824	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	1146			1146	1214	0.0	0.0	0.000	A
			2	3, 4, 5	549			549	604	0.0	0.0	0.000	A
	CircBase	1	1	2	383			383	389	0.0	0.0	0.000	A
			2	3, 4, 5	549			549	604	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	130	867	0.150	129	130	0.3	0.2	5.424	A
			2	1, 2, 4, 5	183	873	0.209	187	208	0.3	0.2	5.462	A
		2	1	(1, 2, 3, 4, 5)	314			314	337	0.0	0.0	0.000	A
	Exit	1	1		412			412	420	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1437			1437	1506	0.0	0.0	0.000	A
			2	1, 4, 5	192			192	203	0.0	0.0	0.000	A
	CircBase	1	1	3	1025			1025	1086	0.0	0.0	0.000	A
			2	1, 4, 5	192			192	203	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	306	936	0.327	306	320	0.4	0.6	5.876	A
			2	1, 2, 3	529	919	0.576	534	590	3.4	1.0	11.359	B
		2	1	(1, 2, 3, 4, 5)	837			837	901	0.1	0.0	0.224	A
	Exit	1	1		1154			1154	1217	0.0	0.0	0.000	A
	CircLink	1	1	3	1154			1154	1217	0.0	0.0	0.000	A
			2	1, 2, 4, 5	377			377	411	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	349			349	381	0.0	0.0	0.000	A
			2	1, 2	30			30	30	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	23	532	0.044	22	27	0.1	0.1	7.658	A
			2	1, 2, 3	473	524	0.904	472	488	3.0	2.6	19.023	C
	Exit	1	1		258			258	262	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	655			655	701	0.0	0.0	0.000	A
			2	1, 2, 3	563			563	620	0.0	0.0	0.000	A
	CircBase	1	1	5	397			397	439	0.0	0.0	0.000	A
			2	1, 2, 3	563			563	620	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	452			497	514	25.9	7.5	104.872	F
5 - A1079 (W)	Entry	1	1	1, 2	282	643	0.437	287	302	0.7	0.5	10.291	B
			2	3, 4, 5	381	659	0.578	373	408	2.0	1.9	15.290	C
	CircBase	1	1	1, 2	858			858	912	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	663			663	708	0.0	0.0	0.000	A
	Exit	1	1		419			419	466	0.0	0.0	0.000	A
	CircLink	1	1	5	419			419	466	0.0	0.0	0.000	A
			2	1, 2, 3, 4	1035			1035	1108	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	177			177	196	0.0	0.0	0.000	A

17:30 - 17:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	422	921	0.458	422	437	1.0	0.9	7.908	A
			2	1, 4, 5	156	904	0.172	157	163	0.2	0.1	4.850	A
		2	1	(1, 2, 3, 4, 5)	579			579	599	0.0	0.0	0.000	A
	Exit	1	1		588			588	640	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	877			877	938	0.0	0.0	0.000	A
			2	3, 4, 5	438			438	482	0.0	0.0	0.000	A
	CircBase	1	1	2	290			290	299	0.0	0.0	0.000	A
			2	3, 4, 5	438			438	482	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	107	943	0.115	106	105	0.2	0.2	4.167	A
			2	1, 2, 4, 5	161	935	0.172	161	173	0.2	0.1	5.023	A
		2	1	(1, 2, 3, 4, 5)	268			268	278	0.0	0.0	0.000	A
	Exit	1	1		308			308	321	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1139			1139	1208	0.0	0.0	0.000	A
			2	1, 4, 5	167			167	173	0.0	0.0	0.000	A
	CircBase	1	1	3	831			831	887	0.0	0.0	0.000	A
			2	1, 4, 5	167			167	173	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	258	945	0.273	255	279	0.6	0.4	5.448	A
			2	1, 2, 3	437	942	0.466	430	455	1.0	1.1	7.483	A
		2	1	(1, 2, 3, 4, 5)	695			695	735	0.0	0.0	0.000	A
	Exit	1	1		938			938	992	0.0	0.0	0.000	A
	CircLink	1	1	3	938			938	992	0.0	0.0	0.000	A
			2	1, 2, 4, 5	327			327	346	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	308			308	320	0.0	0.0	0.000	A
			2	1, 2	19			19	26	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	17	571	0.030	18	22	0.1	0.0	8.517	A
			2	1, 2, 3	318	558	0.570	322	366	2.6	1.0	14.879	B
	Exit	1	1		210			210	222	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	563			563	599	0.0	0.0	0.000	A
			2	1, 2, 3	449			449	482	0.0	0.0	0.000	A
	CircBase	1	1	5	354			354	377	0.0	0.0	0.000	A
			2	1, 2, 3	449			449	482	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	337			335	381	7.5	0.4	16.155	C
5 - A1079 (W)	Entry	1	1	1, 2	225	719	0.314	231	239	0.5	0.2	7.644	A
			2	3, 4, 5	312	728	0.430	314	335	1.9	0.9	9.781	A
	CircBase	1	1	1, 2	647			647	700	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	538			538	568	0.0	0.0	0.001	A
	Exit	1	1		371			371	399	0.0	0.0	0.000	A
	CircLink	1	1	5	371			371	399	0.0	0.0	0.000	A
			2	1, 2, 3, 4	770			770	848	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	123			123	148	0.0	0.0	0.000	A

Lanes: Queue Variation Results for each time segment

16:15 - 16:30

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	0.64	0.00	0.00	0.77	3.84
			2	0.13	0.00	0.00	-0.09	1.88
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.09	0.00	0.00	0.97	0.97
			2	0.05	0.00	0.00	0.00	0.98
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.42	0.00	0.00	1.94	1.94
			2	0.81	0.00	0.00	1.70	4.72
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.94	0.00	0.10	2.96	2.96
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.57	0.00	0.00	5.94	5.94
5 - A1079 (W)	Entry	1	1	0.36	0.00	0.00	0.85	2.82
			2	1.13	0.00	0.00	2.48	7.62
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

16:30 - 16:45

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	0.92	0.00	0.18	2.38	3.88
			2	0.27	0.00	0.00	0.61	2.87
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.09	0.00	0.00	0.96	0.96
			2	0.19	0.00	0.00	0.98	0.98
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.55	0.00	0.00	1.39	4.80
			2	1.29	0.00	0.36	3.34	4.84
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.09	0.00	0.00	0.98	0.98
			2	1.88	0.00	2.95	2.95	2.95
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	1.55	0.00	0.00	3.74	12.81
5 - A1079 (W)	Entry	1	1	0.98	0.00	0.00	2.54	3.73
			2	1.17	0.00	0.28	2.49	5.68
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

16:45 - 17:00

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	2.56	0.00	0.72	9.40	12.47
			2	0.59	0.00	0.00	0.76	4.77
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.37	0.00	0.00	0.62	4.90
			2	0.56	0.00	0.00	1.96	1.96
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.46	0.00	0.00	0.86	2.87
			2	2.83	0.00	2.40	4.41	9.60
		2	1	0.46	0.00	0.00	-0.10	8.61
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.13	0.00	0.00	0.94	0.94
			2	2.98	2.98	2.98	2.98	2.98
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	15.62	0.05	13.87	28.33	36.66
5 - A1079 (W)	Entry	1	1	0.87	0.00	0.31	1.39	3.84
			2	3.71	0.00	1.17	14.08	14.08
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.90	0.00	0.00	-0.19	17.08
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

17:00 - 17:15

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	2.72	0.00	1.45	3.39	16.45
			2	0.32	0.00	0.00	0.70	2.88
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.33	0.00	0.00	0.89	3.97
			2	0.33	0.00	0.00	0.76	1.95
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.41	0.00	0.00	0.87	2.89
			2	3.35	0.00	1.78	9.52	9.52
		2	1	0.09	0.00	0.00	0.00	1.91
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.14	0.00	0.00	-0.10	1.96
			2	2.91	2.96	2.96	2.96	2.96
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	25.80	0.15	23.15	41.18	64.04
5 - A1079 (W)	Entry	1	1	0.77	0.00	0.00	1.68	2.84
			2	2.10	0.00	0.84	3.55	8.63
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

17:15 - 17:30

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	1.01	0.00	0.00	2.81	5.81
			2	0.23	0.00	0.00	0.61	1.93
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.23	0.00	0.00	0.98	0.98
			2	0.23	0.00	0.00	-0.10	3.94
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.64	0.00	0.00	1.67	2.90
			2	0.95	0.00	0.08	1.71	4.74
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.10	0.00	0.00	1.00	1.00
			2	2.67	0.34	2.95	2.95	2.95
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	7.45	0.00	1.48	21.85	33.46
5 - A1079 (W)	Entry	1	1	0.44	0.00	0.00	0.84	2.80
			2	1.87	0.00	0.84	4.68	9.56
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

17:30 - 17:45

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	0.87	0.00	0.00	1.84	5.80
			2	0.14	0.00	0.00	0.95	0.95
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.23	0.00	0.00	0.62	1.97
			2	0.09	0.00	0.00	0.98	0.98
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.41	0.00	0.00	0.81	1.92
			2	1.19	0.00	0.00	2.78	9.58
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.00	0.00	0.00	0.00	0.00
			2	1.09	0.00	0.29	2.93	2.93
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.37	0.00	0.00	0.88	3.91
5 - A1079 (W)	Entry	1	1	0.23	0.00	0.00	0.43	2.84
			2	0.91	0.00	0.24	2.87	2.87
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

Lane movements: Main Results for each time segment

16:15 - 16:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	26	6	1184	965	0.027	25	22	0.0	0.1	7.889	A
				3	392	98	1184	917	0.428	390	420	0.0	0.5	8.093	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	92	23	1184	941	0.098	93	99	0.0	0.1	4.204	A
				5	53	13	1184	832	0.063	52	62	0.0	0.0	5.037	A
	CircLink	1	1	1	98	24	-	-	-	98	112	0.0	0.0	0.000	A
				2	117	29	-	-	-	117	143	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	302	75	-	-	-	302	312	0.0	0.0	0.000	A
				4	9	2	-	-	-	9	8	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	117	29	-	-	-	117	143	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	302	75	-	-	-	302	312	0.0	0.0	0.000	A
				4	9	2	-	-	-	9	8	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	26	6	-	-	-	26	23	0.0	0.0	0.000	A
				3	392	98	-	-	-	392	422	0.0	0.0	0.000	A
				4	92	23	-	-	-	92	100	0.0	0.0	0.000	A
				5	53	13	-	-	-	53	62	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	107	27	1289	941	0.114	106	108	0.0	0.1	4.852	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	28	7	1289	955	0.029	29	26	0.0	0.0	4.793	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	41	10	1289	963	0.042	42	40	0.0	0.0	4.382	A
				5	107	27	1289	931	0.115	107	114	0.0	0.0	4.654	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	25	6	-	-	-	25	22	0.0	0.0	0.000	A
				3	390	98	-	-	-	390	420	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	93	23	-	-	-	93	99	0.0	0.0	0.000	A
				5	52	13	-	-	-	52	62	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	302	75	-	-	-	302	312	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	9	2	-	-	-	9	8	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	28	7	-	-	-	28	26	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	107	27	-	-	-	107	108	0.0	0.0	0.000	A
				4	41	10	-	-	-	41	40	0.0	0.0	0.000	A
				5	107	27	-	-	-	107	115	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	73	18	1076	972	0.075	72	73	0.0	0.1	5.480	A
				5	189	47	1076	944	0.201	187	200	0.0	0.3	5.137	A
			2	1	330	82	1076	951	0.347	331	328	0.0	0.6	8.136	A
				2	91	23	1076	896	0.102	92	98	0.0	0.1	8.497	A
				3	35	9	1076	777	0.044	37	41	0.0	0.1	8.954	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	330	82	-	-	-	330	330	0.0	0.0	0.021	A
				2	91	23	-	-	-	91	98	0.0	0.0	0.059	A
				3	35	9	-	-	-	35	41	0.0	0.0	0.000	A
				4	73	18	-	-	-	73	73	0.0	0.0	0.059	A
				5	189	47	-	-	-	189	201	0.0	0.0	0.003	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	106	27	-	-	-	106	108	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	29	7	-	-	-	29	26	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	42	11	-	-	-	42	40	0.0	0.0	0.000	A
				5	107	27	-	-	-	107	114	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	9	2	-	-	-	9	8	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	29	7	-	-	-	29	26	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	20	5	769	564	0.035	21	21	0.0	0.0	7.085	A
				1	187	47	769	558	0.335	187	176	0.0	0.7	13.285	B
				2	59	15	769	568	0.104	59	62	0.0	0.2	13.015	B
			2	3	91	23	769	551	0.165	94	94	0.0	0.0	12.064	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	72	18	-	-	-	72	73	0.0	0.0	0.000	A
				5	187	47	-	-	-	187	200	0.0	0.0	0.000	A
				1	331	83	-	-	-	331	328	0.0	0.0	0.000	A
				2	92	23	-	-	-	92	98	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	37	9	-	-	-	37	41	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	331	83	-	-	-	331	328	0.0	0.0	0.000	A
				2	92	23	-	-	-	92	98	0.0	0.0	0.000	A
			2	3	37	9	-	-	-	37	41	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2		1	189	47	-	-	-	187	179	0.0	0.3	4.029	A
				2	59	15	-	-	-	59	63	0.0	0.1	4.186	A
			1	3	93	23	-	-	-	91	94	0.0	0.1	2.912	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	20	5	-	-	-	20	21	0.0	0.0	3.097	A
				1	94	23	1070	694	0.134	98	112	0.0	0.1	7.871	A
				2	116	29	1070	711	0.163	117	143	0.0	0.2	8.126	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	306	76	1070	705	0.430	302	312	0.0	1.1	8.197	A
				4	9	2	1019	720	0.012	9	8	0.0	0.0	8.423	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	21	5	-	-	-	21	21	0.0	0.0	0.000	A
				1	187	47	-	-	-	187	176	0.0	0.0	0.000	A
				2	59	15	-	-	-	59	62	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	94	23	-	-	-	94	94	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	187	47	-	-	-	187	176	0.0	0.0	0.000	A
				2	59	15	-	-	-	59	62	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	94	23	-	-	-	94	94	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	Entry	2		1	94	23	-	-	-	94	113	0.0	0.0	0.000	A
				2	116	29	-	-	-	116	144	0.0	0.0	0.000	A
			1	3	306	76	-	-	-	306	316	0.0	0.0	0.000	A
				4	9	2	-	-	-	9	8	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

16:30 - 16:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	26	7	1184	895	0.029	27	28	0.6	0.0	9.323	A
				3	477	119	1184	877	0.546	485	484	0.6	0.8	9.205	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	120	30	1184	898	0.133	120	117	0.1	0.1	5.326	A
				5	74	19	1184	821	0.090	74	82	0.1	0.1	6.092	A
	CircLink	1	1	1	111	28	-	-	-	111	123	0.0	0.0	0.000	A
				2	170	43	-	-	-	170	172	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	351	88	-	-	-	351	390	0.0	0.0	0.000	A
				4	10	3	-	-	-	10	9	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	170	43	-	-	-	170	172	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	351	88	-	-	-	351	390	0.0	0.0	0.000	A
				4	10	3	-	-	-	10	9	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	26	7	-	-	-	26	27	0.0	0.0	0.000	A
				3	477	119	-	-	-	477	485	0.0	0.0	0.000	A
				4	120	30	-	-	-	120	118	0.0	0.0	0.000	A
				5	74	19	-	-	-	74	83	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	135	34	1289	863	0.155	138	133	0.1	0.1	4.945	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	41	10	1289	884	0.047	41	35	0.0	0.0	5.614	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	42	11	1289	887	0.048	42	43	0.0	0.1	5.555	A
				5	133	33	1289	867	0.153	134	130	0.0	0.1	5.194	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	27	7	-	-	-	27	28	0.0	0.0	0.000	A
				3	485	121	-	-	-	485	484	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	120	30	-	-	-	120	117	0.0	0.0	0.000	A
				5	74	18	-	-	-	74	82	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	351	88	-	-	-	351	390	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	10	3	-	-	-	10	9	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	41	10	-	-	-	41	35	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	135	34	-	-	-	135	133	0.0	0.0	0.000	A
				4	42	11	-	-	-	42	43	0.0	0.0	0.000	A
				5	133	33	-	-	-	133	130	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	97	24	1076	941	0.103	101	95	0.4	0.0	5.632	A
				5	237	59	1076	905	0.262	234	240	0.4	0.5	5.685	A
			2	1	358	89	1076	940	0.379	358	372	0.8	0.9	8.512	A
				2	109	27	1076	934	0.117	108	120	0.8	0.4	8.383	A
				3	43	11	1076	823	0.052	45	50	0.8	0.0	8.268	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	358	89	-	-	-	358	373	0.0	0.0	0.029	A
				2	109	27	-	-	-	109	121	0.0	0.0	0.016	A
				3	43	11	-	-	-	43	50	0.0	0.0	0.024	A
				4	97	24	-	-	-	97	94	0.0	0.0	0.009	A
				5	237	59	-	-	-	237	241	0.0	0.0	0.025	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	138	34	-	-	-	138	133	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	41	10	-	-	-	41	35	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	42	10	-	-	-	42	43	0.0	0.0	0.000	A
				5	134	34	-	-	-	134	130	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	10	3	-	-	-	10	9	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	41	10	-	-	-	41	35	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	26	6	769	510	0.050	25	24	0.0	0.1	7.653	A
				1	224	56	769	520	0.431	231	212	1.0	1.0	15.673	C
				2	83	21	769	524	0.158	82	78	1.0	0.3	16.486	C
			2	3	110	27	769	501	0.217	105	111	1.0	0.6	15.868	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	101	25	-	-	-	101	95	0.0	0.0	0.000	A
	CircLink	1		5	234	59	-	-	-	234	240	0.0	0.0	0.000	A
				1	358	90	-	-	-	358	372	0.0	0.0	0.000	A
				2	108	27	-	-	-	108	120	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	45	11	-	-	-	45	50	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	358	90	-	-	-	358	372	0.0	0.0	0.000	A
				2	108	27	-	-	-	108	120	0.0	0.0	0.000	A
			2	3	45	11	-	-	-	45	50	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	219	55	-	-	-	224	213	0.6	0.9	12.504	B
				2	82	20	-	-	-	83	78	0.6	0.4	13.557	B
	Entry	2	1	3	106	27	-	-	-	110	114	0.6	0.3	10.978	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	23	6	-	-	-	26	25	0.0	0.0	11.662	B
				1	110	27	1070	664	0.166	111	123	0.4	0.4	10.274	B
				2	173	43	1070	658	0.262	170	172	0.4	0.4	9.724	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	354	89	1070	674	0.524	351	390	1.1	1.2	12.149	B
				4	11	3	968	652	0.017	10	9	0.0	0.0	13.109	B
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		5	25	6	-	-	-	25	24	0.0	0.0	0.000	A
				1	231	58	-	-	-	231	212	0.0	0.0	0.000	A
				2	82	21	-	-	-	82	78	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	105	26	-	-	-	105	111	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	231	58	-	-	-	231	212	0.0	0.0	0.000	A
				2	82	21	-	-	-	82	78	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	105	26	-	-	-	105	111	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	110	27	-	-	-	110	124	0.0	0.0	0.000	A
				2	173	43	-	-	-	173	173	0.0	0.0	0.000	A
	Entry	2	1	3	354	89	-	-	-	354	390	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	9	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

16:45 - 17:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	30	8	1184	853	0.036	29	33	0.8	0.1	15.224	C
				3	572	143	1184	818	0.703	574	594	0.8	2.3	15.544	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	170	42	1184	838	0.202	173	150	0.2	0.4	6.279	A
				5	97	24	1184	773	0.126	96	98	0.2	0.2	6.254	A
	CircLink	1	1	1	137	34	-	-	-	137	157	0.0	0.0	0.000	A
				2	184	46	-	-	-	184	198	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	435	109	-	-	-	435	463	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	13	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	184	46	-	-	-	184	198	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	435	109	-	-	-	435	463	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	13	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	30	8	-	-	-	30	33	0.0	0.0	0.000	A
				3	572	143	-	-	-	572	601	0.0	0.0	0.000	A
				4	170	42	-	-	-	170	151	0.0	0.0	0.000	A
				5	97	24	-	-	-	97	98	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	145	36	1289	785	0.185	142	149	0.1	0.3	5.765	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	39	10	1289	805	0.049	39	42	0.0	0.1	6.272	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	42	10	1289	807	0.052	42	48	0.2	0.0	6.416	A
				5	157	39	1289	777	0.201	157	158	0.2	0.5	7.030	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	29	7	-	-	-	29	33	0.0	0.0	0.000	A
				3	574	143	-	-	-	574	594	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	173	43	-	-	-	173	150	0.0	0.0	0.000	A
				5	96	24	-	-	-	96	98	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	435	109	-	-	-	435	463	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	13	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	39	10	-	-	-	39	43	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	145	36	-	-	-	145	150	0.0	0.0	0.000	A
				4	42	10	-	-	-	42	48	0.0	0.0	0.000	A
				5	157	39	-	-	-	157	160	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	111	28	1076	898	0.124	113	114	0.5	0.1	7.640	A
				5	298	75	1076	885	0.337	305	301	0.5	0.3	7.355	A
			2	1	447	112	1076	910	0.493	454	466	1.3	1.8	12.621	B
				2	142	35	1076	871	0.163	141	153	1.3	0.6	12.440	B
				3	57	14	1076	826	0.069	58	60	0.0	0.3	13.178	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	448	112	-	-	-	447	470	0.0	0.1	0.353	A
				2	141	35	-	-	-	142	154	0.0	0.0	0.335	A
				3	57	14	-	-	-	57	62	0.0	0.0	0.203	A
				4	111	28	-	-	-	111	114	0.0	0.0	0.306	A
				5	300	75	-	-	-	298	301	0.0	0.2	0.343	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	142	36	-	-	-	142	149	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	39	10	-	-	-	39	42	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	42	10	-	-	-	42	48	0.0	0.0	0.000	A
				5	157	39	-	-	-	157	158	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	11	3	-	-	-	11	13	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	39	10	-	-	-	39	42	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	29	7	769	443	0.066	28	27	0.1	0.1	8.374	A
				1	255	64	769	458	0.557	251	236	1.9	1.6	20.511	C
				2	79	20	769	469	0.168	79	86	1.9	0.6	20.893	C
			2	3	123	31	769	466	0.265	125	122	1.9	0.8	21.728	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	113	28	-	-	-	113	114	0.0	0.0	0.000	A
				5	305	76	-	-	-	305	301	0.0	0.0	0.000	A
				1	454	113	-	-	-	454	466	0.0	0.0	0.000	A
				2	141	35	-	-	-	141	153	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	58	14	-	-	-	58	60	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	454	113	-	-	-	454	466	0.0	0.0	0.000	A
				2	141	35	-	-	-	141	153	0.0	0.0	0.000	A
			2	3	58	14	-	-	-	58	60	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2		1	265	66	-	-	-	255	239	1.6	7.9	72.430	F
				2	94	23	-	-	-	79	87	1.6	2.9	69.773	F
			1	3	128	32	-	-	-	123	122	1.6	3.7	75.005	F
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	31	8	-	-	-	29	27	0.0	1.1	82.714	F
				1	132	33	1070	618	0.211	137	157	0.8	0.3	10.719	B
				2	181	45	1070	650	0.278	184	198	0.8	0.6	10.978	B
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	439	110	1070	620	0.709	435	463	1.2	3.4	22.174	C
				4	12	3	968	600	0.020	11	13	1.2	0.2	25.821	D
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		5	28	7	-	-	-	28	27	0.0	0.0	0.000	A
				1	251	63	-	-	-	251	236	0.0	0.0	0.000	A
				2	79	20	-	-	-	79	86	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	125	31	-	-	-	125	122	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	251	63	-	-	-	251	236	0.0	0.0	0.000	A
				2	79	20	-	-	-	79	86	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	125	31	-	-	-	125	122	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	131	33	-	-	-	132	156	0.0	0.1	1.418	A
				2	182	46	-	-	-	181	198	0.0	0.2	1.311	A
	Entry	2	1	3	443	111	-	-	-	439	474	0.0	0.6	1.626	A
				4	12	3	-	-	-	12	14	0.0	0.0	0.594	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

17:00 - 17:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	30	7	1184	849	0.035	32	33	2.4	0.1	16.944	C
				3	562	141	1184	818	0.689	579	601	2.4	2.6	18.404	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	134	33	1184	833	0.161	135	147	0.6	0.2	6.248	A
				5	91	23	1184	787	0.115	93	99	0.6	0.1	7.666	A
	CircLink	1	1	1	151	38	-	-	-	151	153	0.0	0.0	0.000	A
				2	188	47	-	-	-	188	208	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	459	115	-	-	-	459	476	0.0	0.0	0.000	A
				4	18	5	-	-	-	18	16	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	188	47	-	-	-	188	208	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	459	115	-	-	-	459	476	0.0	0.0	0.000	A
				4	18	5	-	-	-	18	16	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	30	7	-	-	-	30	33	0.0	0.0	0.001	A
				3	562	141	-	-	-	562	602	0.0	0.0	0.003	A
				4	134	33	-	-	-	134	147	0.0	0.0	0.004	A
				5	91	23	-	-	-	91	99	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	159	40	1289	802	0.198	159	154	0.3	0.3	5.838	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	37	9	1289	812	0.046	37	36	0.6	0.0	6.959	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	58	15	1289	808	0.072	59	58	0.0	0.0	6.633	A
				5	154	38	1289	772	0.199	158	166	0.6	0.2	7.487	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	32	8	-	-	-	32	33	0.0	0.0	0.000	A
				3	579	145	-	-	-	579	601	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	135	34	-	-	-	135	147	0.0	0.0	0.000	A
				5	93	23	-	-	-	93	99	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	459	115	-	-	-	459	476	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	18	5	-	-	-	18	16	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	37	9	-	-	-	37	36	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	159	40	-	-	-	159	154	0.0	0.0	0.000	A
				4	58	15	-	-	-	58	58	0.0	0.0	0.000	A
				5	154	38	-	-	-	154	165	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	99	25	1076	924	0.107	98	114	0.5	0.2	6.954	A
				5	272	68	1076	891	0.305	274	294	0.5	0.2	7.533	A
			2	1	465	116	1076	899	0.516	462	473	2.7	2.4	14.502	B
				2	129	32	1076	893	0.144	124	143	2.7	0.9	14.283	B
				3	55	14	1076	802	0.069	56	67	2.7	0.1	14.284	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	465	116	-	-	-	465	475	0.5	0.1	0.317	A
				2	129	32	-	-	-	129	144	0.5	0.0	0.264	A
				3	54	14	-	-	-	55	66	0.5	0.0	0.169	A
				4	99	25	-	-	-	99	114	0.0	0.0	0.241	A
				5	271	68	-	-	-	272	293	0.5	0.0	0.183	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	159	40	-	-	-	159	154	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	37	9	-	-	-	37	36	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	59	15	-	-	-	59	58	0.0	0.0	0.000	A
				5	158	39	-	-	-	158	166	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	18	5	-	-	-	18	16	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	37	9	-	-	-	37	36	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	31	8	769	460	0.071	31	31	0.1	0.1	9.305	A
			2	1	240	60	769	470	0.512	245	238	3.0	1.3	23.368	C
				2	94	24	769	469	0.201	93	83	3.0	0.8	23.503	C
				3	127	32	769	455	0.280	123	129	3.0	0.9	23.887	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	98	24	-	-	-	98	114	0.0	0.0	0.000	A
				5	274	69	-	-	-	274	294	0.0	0.0	0.000	A
			2	1	462	116	-	-	-	462	473	0.0	0.0	0.000	A
				2	124	31	-	-	-	124	143	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane				3	56	14	-	-	-	56	67	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	462	116	-	-	-	462	473	0.0	0.0	0.000	A
				2	124	31	-	-	-	124	143	0.0	0.0	0.000	A
				3	56	14	-	-	-	56	67	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	262	66	-	-	-	240	237	15.6	13.1	171.782	F
				2	94	24	-	-	-	94	83	15.6	4.4	167.866	F
				3	137	34	-	-	-	127	129	15.6	6.9	169.410	F
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	29	7	-	-	-	31	31	15.6	1.4	174.549	F
	Entry	1	1	1	150	38	1070	615	0.245	151	153	0.9	0.4	11.839	B
				2	182	46	1070	630	0.290	188	208	0.9	0.3	11.977	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	443	111	1070	634	0.700	459	476	3.7	1.9	23.441	C
				4	18	5	1019	641	0.029	18	16	3.7	0.1	19.457	C
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	31	8	-	-	-	31	31	0.0	0.0	0.000	A
			2	1	245	61	-	-	-	245	238	0.0	0.0	0.000	A
				2	93	23	-	-	-	93	83	0.0	0.0	0.000	A
5 - A1079 (W)				3	123	31	-	-	-	123	129	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	245	61	-	-	-	245	238	0.0	0.0	0.000	A
				2	93	23	-	-	-	93	83	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	123	31	-	-	-	123	129	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	Entry	2	1	1	150	38	-	-	-	150	153	0.9	0.0	2.427	A
				2	181	45	-	-	-	182	207	0.9	0.0	0.971	A
				3	441	110	-	-	-	443	469	0.9	0.0	1.250	A
				4	18	5	-	-	-	18	15	0.0	0.0	0.533	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

17:15 - 17:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	28	7	1184	901	0.031	29	31	2.7	0.0	10.738	B
				3	475	119	1184	858	0.554	486	496	2.7	0.9	10.967	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	119	30	1184	874	0.137	122	115	0.3	0.1	5.201	A
				5	58	14	1184	823	0.072	59	74	0.3	0.1	6.224	A
	CircLink	1	1	1	116	29	-	-	-	116	129	0.0	0.0	0.000	A
				2	171	43	-	-	-	171	173	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	362	90	-	-	-	362	394	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	14	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	171	43	-	-	-	171	173	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	362	90	-	-	-	362	394	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	14	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	28	7	-	-	-	28	31	0.0	0.0	0.000	A
				3	475	119	-	-	-	475	489	0.0	0.0	0.000	A
				4	119	30	-	-	-	119	115	0.0	0.0	0.000	A
				5	58	14	-	-	-	58	74	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	130	33	1289	869	0.150	129	130	0.3	0.2	5.424	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	30	7	1289	881	0.034	30	30	0.0	0.0	4.425	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	38	9	1289	887	0.043	39	45	0.3	0.0	5.385	A
				5	116	29	1289	868	0.133	118	133	0.3	0.2	5.733	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	29	7	-	-	-	29	31	0.0	0.0	0.000	A
				3	486	122	-	-	-	486	496	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	122	30	-	-	-	122	115	0.0	0.0	0.000	A
				5	59	15	-	-	-	59	74	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	362	90	-	-	-	362	394	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	14	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	30	7	-	-	-	30	30	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	130	33	-	-	-	130	130	0.0	0.0	0.000	A
				4	38	9	-	-	-	38	45	0.0	0.0	0.000	A
				5	116	29	-	-	-	116	133	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	89	22	1076	950	0.094	86	87	0.4	0.3	6.057	A
				5	217	54	1076	932	0.232	220	232	0.4	0.3	5.806	A
			2	1	369	92	1076	934	0.394	372	410	3.4	0.7	11.312	B
				2	123	31	1076	907	0.135	123	130	3.4	0.3	11.550	B
				3	39	10	1076	790	0.049	39	49	3.4	0.0	11.245	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	369	92	-	-	-	369	404	0.1	0.0	0.265	A
				2	123	31	-	-	-	123	128	0.0	0.0	0.230	A
				3	39	10	-	-	-	39	48	0.0	0.0	0.348	A
				4	89	22	-	-	-	89	88	0.0	0.0	0.181	A
				5	217	54	-	-	-	217	233	0.0	0.0	0.141	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	129	32	-	-	-	129	130	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	30	7	-	-	-	30	30	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	39	10	-	-	-	39	45	0.0	0.0	0.000	A
				5	118	29	-	-	-	118	133	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	11	3	-	-	-	11	14	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	30	7	-	-	-	30	30	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	23	6	769	521	0.045	22	27	0.1	0.1	7.658	A
			2	1	247	62	769	529	0.466	245	255	3.0	1.6	19.294	C
				2	91	23	769	529	0.173	89	86	3.0	0.6	18.687	C
				3	135	34	769	512	0.265	138	147	3.0	0.5	18.736	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	86	22	-	-	-	86	87	0.0	0.0	0.000	A
				5	220	55	-	-	-	220	232	0.0	0.0	0.000	A
			2	1	372	93	-	-	-	372	410	0.0	0.0	0.000	A
				2	123	31	-	-	-	123	130	0.0	0.0	0.000	A
				3	39	10	-	-	-	39	49	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	372	93	-	-	-	372	410	0.0	0.0	0.000	A
				2	123	31	-	-	-	123	130	0.0	0.0	0.000	A
				3	39	10	-	-	-	39	49	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	225	56	-	-	-	247	256	25.9	2.9	101.927	F
				2	75	19	-	-	-	91	85	25.9	1.3	107.743	F
				3	129	32	-	-	-	135	146	25.9	2.7	105.345	F
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	22	6	-	-	-	23	27	25.9	0.6	120.153	F
5 - A1079 (W)	Entry	1	1	1	114	29	1070	633	0.179	116	129	0.7	0.2	10.200	B
				2	168	42	1070	648	0.257	171	173	0.7	0.2	10.357	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	370	93	1070	658	0.562	362	394	2.0	1.9	15.142	C
				4	11	3	1070	682	0.016	11	14	2.0	0.0	19.379	C
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	22	6	-	-	-	22	27	0.0	0.0	0.000	A
			2	1	245	61	-	-	-	245	255	0.0	0.0	0.000	A
				2	89	22	-	-	-	89	86	0.0	0.0	0.000	A
				3	138	35	-	-	-	138	147	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	245	61	-	-	-	245	255	0.0	0.0	0.000	A
				2	89	22	-	-	-	89	86	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	138	35	-	-	-	138	147	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	Entry	2	1	1	114	29	-	-	-	114	128	0.0	0.0	0.000	A
				2	168	42	-	-	-	168	172	0.0	0.0	0.000	A
				3	370	93	-	-	-	370	394	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	14	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

17:30 - 17:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	18	5	1184	949	0.019	18	22	1.0	0.0	8.004	A
				3	403	101	1184	918	0.439	403	414	1.0	0.9	7.903	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	97	24	1184	933	0.105	98	101	0.2	0.0	4.785	A
				5	59	15	1184	860	0.068	59	63	0.2	0.1	4.961	A
	CircLink	1	1	1	99	25	-	-	-	99	109	0.0	0.0	0.000	A
				2	131	33	-	-	-	131	129	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	305	76	-	-	-	305	325	0.0	0.0	0.000	A
				4	10	2	-	-	-	10	10	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	131	33	-	-	-	131	129	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	305	76	-	-	-	305	325	0.0	0.0	0.000	A
				4	10	2	-	-	-	10	10	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	18	5	-	-	-	18	22	0.0	0.0	0.000	A
				3	403	101	-	-	-	403	414	0.0	0.0	0.000	A
				4	97	24	-	-	-	97	101	0.0	0.0	0.000	A
				5	59	15	-	-	-	59	62	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	107	27	1289	945	0.114	106	105	0.2	0.2	4.167	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	18	5	1289	950	0.019	19	26	0.0	0.0	5.376	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	37	9	1289	961	0.038	37	35	0.0	0.0	4.838	A
				5	106	26	1289	925	0.114	105	112	0.2	0.1	4.996	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	18	5	-	-	-	18	22	0.0	0.0	0.000	A
				3	403	101	-	-	-	403	414	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	98	25	-	-	-	98	101	0.0	0.0	0.000	A
				5	59	15	-	-	-	59	63	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	305	76	-	-	-	305	325	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	10	2	-	-	-	10	10	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	18	5	-	-	-	18	26	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	107	27	-	-	-	107	105	0.0	0.0	0.000	A
				4	37	9	-	-	-	37	35	0.0	0.0	0.000	A
				5	106	26	-	-	-	106	111	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	66	17	1076	972	0.068	66	77	0.6	0.0	5.606	A
				5	192	48	1076	936	0.205	190	202	0.6	0.3	5.386	A
			2	1	309	77	1076	958	0.324	303	316	1.0	0.9	7.544	A
				2	95	24	1076	916	0.104	94	99	1.0	0.1	6.928	A
				3	33	8	1076	861	0.039	32	40	0.0	0.1	8.431	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	309	77	-	-	-	309	318	0.0	0.0	0.000	A
				2	95	24	-	-	-	95	99	0.0	0.0	0.000	A
				3	33	8	-	-	-	33	40	0.0	0.0	0.000	A
				4	66	17	-	-	-	66	76	0.0	0.0	0.000	A
				5	192	48	-	-	-	192	203	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	106	27	-	-	-	106	105	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	19	5	-	-	-	19	26	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	37	9	-	-	-	37	35	0.0	0.0	0.000	A
				5	105	26	-	-	-	105	112	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	10	2	-	-	-	10	10	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	19	5	-	-	-	19	26	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	17	4	769	567	0.030	18	22	0.1	0.0	8.517	A
				1	170	43	769	563	0.303	166	188	2.6	0.7	14.365	B
				2	62	16	769	573	0.109	65	70	2.6	0.1	14.348	B
			2	3	86	22	769	532	0.162	91	108	2.6	0.2	16.129	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	66	16	-	-	-	66	77	0.0	0.0	0.000	A
	CircLink	1		5	190	47	-	-	-	190	202	0.0	0.0	0.000	A
				1	303	76	-	-	-	303	316	0.0	0.0	0.000	A
				2	94	24	-	-	-	94	99	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	32	8	-	-	-	32	40	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	303	76	-	-	-	303	316	0.0	0.0	0.000	A
				2	94	24	-	-	-	94	99	0.0	0.0	0.000	A
			2	3	32	8	-	-	-	32	40	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	169	42	-	-	-	170	184	7.5	0.1	16.419	C
				2	63	16	-	-	-	62	68	7.5	0.1	15.895	C
	Entry	2	1	3	87	22	-	-	-	86	107	7.5	0.1	16.232	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	17	4	-	-	-	17	22	7.5	0.0	14.083	B
				1	99	25	1070	706	0.138	99	109	0.5	0.2	8.177	A
				2	127	32	1070	724	0.176	131	129	0.5	0.0	7.210	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	303	76	1070	728	0.418	305	325	1.9	0.9	9.752	A
				4	9	2	1070	754	0.011	10	10	0.0	0.0	10.707	B
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		5	18	4	-	-	-	18	22	0.0	0.0	0.000	A
				1	166	41	-	-	-	166	188	0.0	0.0	0.000	A
				2	65	16	-	-	-	65	70	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	91	23	-	-	-	91	108	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	166	41	-	-	-	166	188	0.0	0.0	0.000	A
				2	65	16	-	-	-	65	70	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	91	23	-	-	-	91	108	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	99	25	-	-	-	99	109	0.0	0.0	0.000	A
				2	127	32	-	-	-	127	128	0.0	0.0	0.000	A
	Entry	2	1	3	303	76	-	-	-	303	321	0.0	0.0	0.002	A
				4	9	2	-	-	-	9	10	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

2023 Survey, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.
Info	Simulation	A1 - [Lane Simulation]	This run uses Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	Killingwoldgraves Roundabout	Standard Roundabout	✓	1, 2, 3, 4, 5	17.22	C

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	17.22	C

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D9	2023 Survey	AM	ONE HOUR	07:00	08:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1 - A1035 (N)		ONE HOUR	✓	941	100.000
2 - A1174 (E)		ONE HOUR	✓	368	100.000
3 - A1079 (S)		ONE HOUR	✓	930	100.000
4 - Killingwoldgraves Lane		ONE HOUR	✓	353	100.000
5 - A1079 (W)		ONE HOUR	✓	482	100.000

Origin-Destination Data

Demand (Veh/hr)

		To				
		1 - A1035 (N)	2 - A1174 (E)	3 - A1079 (S)	4 - Killingwoldgraves Lane	5 - A1079 (W)
From	1 - A1035 (N)	0	32	677	145	87
	2 - A1174 (E)	26	0	174	39	129
	3 - A1079 (S)	424	58	1	130	317
	4 - Killingwoldgraves Lane	165	42	123	0	23
	5 - A1079 (W)	68	92	291	31	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80

Heavy Vehicle %

		To				
		1 - A1035 (N)	2 - A1174 (E)	3 - A1079 (S)	4 - Killingwoldgraves Lane	5 - A1079 (W)
From	1 - A1035 (N)	0	3	6	3	10
	2 - A1174 (E)	4	0	2	0	5
	3 - A1079 (S)	9	7	0	7	7
	4 - Killingwoldgraves Lane	4	0	0	0	4
	5 - A1079 (W)	25	1	6	0	0

Cyclist %

		To				
		1 - A1035 (N)	2 - A1174 (E)	3 - A1079 (S)	4 - Killingwoldgraves Lane	5 - A1079 (W)
From	1 - A1035 (N)	0	0	0	0	0
	2 - A1174 (E)	0	0	0	0	0
	3 - A1079 (S)	0	0	0	0	0
	4 - Killingwoldgraves Lane	0	0	0	0	0
	5 - A1079 (W)	0	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
1 - A1035 (N)	25.03	8.0	24.1	D	864	1297
2 - A1174 (E)	6.17	0.7	2.9	A	332	498
3 - A1079 (S)	10.74	3.9	9.7	B	845	1268
4 - Killingwoldgraves Lane	35.19	4.3	13.2	E	319	478
5 - A1079 (W)	10.31	1.7	5.0	B	448	672

Main Results for each time segment

07:00 - 07:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	704	176	491	708	735	508	0.0	1.2	7.538	A
2 - A1174 (E)	270	67	1029	269	286	170	0.0	0.3	4.502	A
3 - A1079 (S)	703	176	345	704	748	953	0.0	1.2	6.841	A
4 - Killingwoldgraves Lane	258	65	790	260	269	259	0.0	0.7	10.758	B
5 - A1079 (W)	368	92	627	372	387	424	0.0	0.5	6.440	A

07:15 - 07:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	853	213	579	852	901	599	1.2	2.3	9.427	A
2 - A1174 (E)	320	80	1234	319	325	197	0.3	0.5	5.179	A
3 - A1079 (S)	827	207	404	830	901	1149	1.2	1.7	7.784	A
4 - Killingwoldgraves Lane	311	78	932	314	317	302	0.7	1.0	13.934	B
5 - A1079 (W)	442	110	738	440	465	508	0.5	1.1	7.775	A

07:30 - 07:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	1051	263	707	1051	1086	751	2.3	7.3	21.350	C
2 - A1174 (E)	403	101	1509	400	410	249	0.5	0.7	6.069	A
3 - A1079 (S)	1014	254	504	1023	1112	1405	1.7	2.2	10.542	B
4 - Killingwoldgraves Lane	379	95	1151	373	376	375	1.0	3.6	28.594	D
5 - A1079 (W)	531	133	921	536	568	603	1.1	1.4	9.915	A

07:45 - 08:00

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	1043	261	719	1027	1102	737	7.3	7.8	25.035	D
2 - A1174 (E)	394	98	1508	392	416	239	0.7	0.7	6.173	A
3 - A1079 (S)	1022	256	494	1010	1099	1406	2.2	3.8	10.738	B
4 - Killingwoldgraves Lane	380	95	1125	376	396	378	3.6	4.3	35.189	E
5 - A1079 (W)	549	137	906	550	573	595	1.4	1.7	10.314	B

08:00 - 08:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	839	210	596	836	917	616	7.8	2.6	12.830	B
2 - A1174 (E)	325	81	1222	326	349	211	0.7	0.5	5.737	A
3 - A1079 (S)	822	206	397	827	912	1151	3.8	1.5	8.321	A
4 - Killingwoldgraves Lane	326	81	921	323	341	302	4.3	1.6	19.051	C
5 - A1079 (W)	449	112	761	452	479	483	1.7	0.9	8.183	A

08:15 - 08:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	693	173	462	690	745	500	2.6	1.4	7.825	A
2 - A1174 (E)	280	70	987	284	288	165	0.5	0.2	4.796	A
3 - A1079 (S)	682	171	359	680	758	913	1.5	1.2	6.949	A
4 - Killingwoldgraves Lane	259	65	787	258	275	253	1.6	0.7	11.874	B
5 - A1079 (W)	350	87	613	350	385	433	0.9	0.6	6.982	A

Queue Variation Results for each time segment

07:00 - 07:15

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	1.24	0.00	0.31	3.15	4.25
2 - A1174 (E)	0.30	0.00	0.00	0.70	0.88
3 - A1079 (S)	1.37	0.00	0.55	3.10	3.64
4 - Killingwoldgraves Lane	0.70	0.00	0.00	1.71	2.44
5 - A1079 (W)	0.53	0.00	0.00	1.49	2.21

07:15 - 07:30

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	2.26	0.00	0.78	4.71	8.01
2 - A1174 (E)	0.49	0.00	0.00	1.46	1.88
3 - A1079 (S)	1.76	0.00	0.79	3.44	4.40
4 - Killingwoldgraves Lane	0.98	0.00	0.21	2.40	2.78
5 - A1079 (W)	1.15	0.00	0.47	1.82	3.28

07:30 - 07:45

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	7.35	0.00	4.62	15.15	19.41
2 - A1174 (E)	0.75	0.00	0.00	1.75	2.67
3 - A1079 (S)	2.36	0.00	1.39	4.56	5.93
4 - Killingwoldgraves Lane	3.59	0.00	1.63	9.77	11.56
5 - A1079 (W)	1.42	0.00	0.55	3.73	4.38

07:45 - 08:00

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	8.03	0.00	4.34	17.95	24.09
2 - A1174 (E)	0.72	0.00	0.07	1.53	2.92
3 - A1079 (S)	3.88	0.03	2.58	8.34	9.74
4 - Killingwoldgraves Lane	4.32	0.00	2.51	10.76	13.20
5 - A1079 (W)	1.71	0.00	0.80	3.71	4.94

08:00 - 08:15

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	2.67	0.00	1.19	5.69	8.06
2 - A1174 (E)	0.48	0.00	0.00	1.21	2.10
3 - A1079 (S)	1.60	0.00	0.51	3.70	5.09
4 - Killingwoldgraves Lane	1.62	0.00	0.62	2.94	5.39
5 - A1079 (W)	0.97	0.00	0.25	1.80	2.64

08:15 - 08:30

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	1.51	0.00	0.32	3.42	4.99
2 - A1174 (E)	0.17	0.00	0.00	0.36	0.79
3 - A1079 (S)	1.22	0.00	0.34	2.79	3.44
4 - Killingwoldgraves Lane	0.79	0.00	0.00	1.77	3.16
5 - A1079 (W)	0.56	0.00	0.00	1.11	1.76

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

07:00 - 07:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	524	973	0.538	527	550	0.0	1.0	8.583	A
			2	1, 4, 5	180	966	0.186	181	185	0.0	0.2	4.414	A
		2	1	(1, 2, 3, 4, 5)	704			704	741	0.0	0.0	0.000	A
	Exit	1	1		508			508	557	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	653			653	704	0.0	0.0	0.000	A
			2	3, 4, 5	346			346	347	0.0	0.0	0.000	A
	CircBase	1	1	2	145			145	147	0.0	0.0	0.000	A
			2	3, 4, 5	346			346	347	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	128	928	0.138	129	134	0.0	0.1	4.366	A
			2	1, 2, 4, 5	142	901	0.157	141	152	0.0	0.2	4.625	A
		2	1	(1, 2, 3, 4, 5)	270			270	287	0.0	0.0	0.000	A
	Exit	1	1		170			170	171	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	994			994	1021	0.0	0.0	0.000	A
			2	1, 4, 5	204			204	208	0.0	0.0	0.000	A
	CircBase	1	1	3	824			824	850	0.0	0.0	0.000	A
			2	1, 4, 5	204			204	208	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	335	915	0.367	337	354	0.0	0.5	6.902	A
			2	1, 2, 3	368	902	0.409	367	394	0.0	0.7	6.759	A
		2	1	(1, 2, 3, 4, 5)	703			703	754	0.0	0.0	0.014	A
	Exit	1	1		953			953	984	0.0	0.0	0.000	A
	CircLink	1	1	3	953			953	984	0.0	0.0	0.000	A
			2	1, 2, 4, 5	345			345	360	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	327			327	340	0.0	0.0	0.000	A
			2	1, 2	18			18	20	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	19	525	0.036	19	19	0.0	0.1	6.497	A
			2	1, 2, 3	240	557	0.430	242	250	0.0	0.6	10.161	B
	Exit	1	1		259			259	270	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	664			664	694	0.0	0.0	0.000	A
			2	1, 2, 3	385			385	414	0.0	0.0	0.000	A
	CircBase	1	1	5	405			405	424	0.0	0.0	0.000	A
			2	1, 2, 3	385			385	414	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	258			259	271	0.0	0.0	0.844	A
5 - A1079 (W)	Entry	1	1	1, 2	118	711	0.166	118	131	0.0	0.2	5.978	A
			2	3, 4, 5	250	749	0.333	254	256	0.0	0.3	6.666	A
	CircBase	1	1	1, 2	535			535	573	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	368			368	389	0.0	0.0	0.000	A
	Exit	1	1		424			424	443	0.0	0.0	0.000	A
	CircLink	1	1	5	424			424	443	0.0	0.0	0.000	A
			2	1, 2, 3, 4	627			627	664	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	92			92	91	0.0	0.0	0.000	A

07:15 - 07:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	644	943	0.681	643	675	1.0	2.0	10.957	B
			2	1, 4, 5	209	955	0.220	210	226	0.2	0.3	4.873	A
		2	1	(1, 2, 3, 4, 5)	853			853	906	0.0	0.0	0.001	A
	Exit	1	1		599			599	661	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	769			769	836	0.0	0.0	0.000	A
			2	3, 4, 5	409			409	416	0.0	0.0	0.000	A
	CircBase	1	1	2	170			170	175	0.0	0.0	0.000	A
			2	3, 4, 5	409			409	416	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	154	864	0.178	153	154	0.1	0.3	4.913	A
			2	1, 2, 4, 5	166	844	0.196	166	171	0.2	0.2	5.423	A
		2	1	(1, 2, 3, 4, 5)	320			320	325	0.0	0.0	0.000	A
	Exit	1	1		197			197	207	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1193			1193	1237	0.0	0.0	0.000	A
			2	1, 4, 5	238			238	255	0.0	0.0	0.000	A
	CircBase	1	1	3	996			996	1031	0.0	0.0	0.000	A
			2	1, 4, 5	238			238	255	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	410	892	0.460	410	435	0.5	0.8	7.588	A
			2	1, 2, 3	417	886	0.469	419	467	0.7	0.9	7.961	A
		2	1	(1, 2, 3, 4, 5)	827			827	903	0.0	0.0	0.004	A
	Exit	1	1		1149			1149	1184	0.0	0.0	0.000	A
	CircLink	1	1	3	1149			1149	1184	0.0	0.0	0.000	A
			2	1, 2, 4, 5	404			404	426	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	381			381	402	0.0	0.0	0.000	A
			2	1, 2	24			24	24	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	19	519	0.037	19	21	0.1	0.0	6.639	A
			2	1, 2, 3	293	524	0.559	295	297	0.6	0.9	12.281	B
	Exit	1	1		302			302	318	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	791			791	837	0.0	0.0	0.000	A
			2	1, 2, 3	444			444	491	0.0	0.0	0.000	A
	CircBase	1	1	5	489			489	519	0.0	0.0	0.000	A
			2	1, 2, 3	444			444	491	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	311			313	319	0.0	0.0	2.001	A
5 - A1079 (W)	Entry	1	1	1, 2	144	684	0.211	144	159	0.2	0.3	6.985	A
			2	3, 4, 5	298	730	0.408	295	305	0.3	0.9	8.161	A
	CircBase	1	1	1, 2	624			624	677	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	442			442	467	0.0	0.0	0.000	A
	Exit	1	1		508			508	539	0.0	0.0	0.000	A
	CircLink	1	1	5	508			508	539	0.0	0.0	0.000	A
			2	1, 2, 3, 4	738			738	787	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	114			114	111	0.0	0.0	0.000	A

07:30 - 07:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	789	912	0.866	792	815	2.0	6.3	25.533	D
			2	1, 4, 5	261	907	0.287	259	271	0.3	0.5	5.411	A
		2	1	(1, 2, 3, 4, 5)	1051			1050	1105	0.0	0.5	0.654	A
	Exit	1	1		751			751	821	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	962			962	1036	0.0	0.0	0.000	A
			2	3, 4, 5	496			496	504	0.0	0.0	0.000	A
	CircBase	1	1	2	211			211	215	0.0	0.0	0.000	A
			2	3, 4, 5	496			496	504	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	191	767	0.248	191	195	0.3	0.3	6.059	A
			2	1, 2, 4, 5	212	756	0.280	209	216	0.2	0.4	6.078	A
		2	1	(1, 2, 3, 4, 5)	403			403	411	0.0	0.0	0.000	A
	Exit	1	1		249			249	252	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1463			1463	1498	0.0	0.0	0.000	A
			2	1, 4, 5	295			295	307	0.0	0.0	0.000	A
	CircBase	1	1	3	1214			1214	1246	0.0	0.0	0.000	A
			2	1, 4, 5	295			295	307	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	477	871	0.547	480	520	0.8	1.2	9.470	A
			2	1, 2, 3	537	861	0.624	543	592	0.9	1.1	11.055	B
		2	1	(1, 2, 3, 4, 5)	1014			1014	1115	0.0	0.0	0.235	A
	Exit	1	1		1405			1405	1441	0.0	0.0	0.000	A
	CircLink	1	1	3	1405			1405	1441	0.0	0.0	0.000	A
			2	1, 2, 4, 5	504			504	523	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	475			475	493	0.0	0.0	0.000	A
			2	1, 2	29			29	29	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	24	454	0.053	24	25	0.0	0.1	8.057	A
			2	1, 2, 3	351	467	0.750	349	351	0.9	1.7	16.844	C
	Exit	1	1		375			375	390	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	955			955	1014	0.0	0.0	0.000	A
			2	1, 2, 3	572			572	621	0.0	0.0	0.000	A
	CircBase	1	1	5	580			580	624	0.0	0.0	0.000	A
			2	1, 2, 3	572			572	621	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	379			375	379	0.0	1.8	12.201	B
5 - A1079 (W)	Entry	1	1	1, 2	175	649	0.269	173	191	0.3	0.4	7.107	A
			2	3, 4, 5	356	673	0.529	363	377	0.9	1.0	11.269	B
	CircBase	1	1	1, 2	789			789	845	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	531			531	570	0.0	0.0	0.003	A
	Exit	1	1		603			603	649	0.0	0.0	0.000	A
	CircLink	1	1	5	603			603	649	0.0	0.0	0.000	A
			2	1, 2, 3, 4	921			921	972	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	133			133	127	0.0	0.0	0.000	A

07:45 - 08:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	785	905	0.871	775	829	6.3	6.8	29.214	D
			2	1, 4, 5	251	901	0.279	252	273	0.5	0.3	5.808	A
		2	1	(1, 2, 3, 4, 5)	1043			1036	1104	0.5	0.7	1.531	A
	Exit	1	1		737			737	819	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	944			944	1032	0.0	0.0	0.000	A
			2	3, 4, 5	513			513	518	0.0	0.0	0.000	A
	CircBase	1	1	2	207			207	214	0.0	0.0	0.000	A
			2	3, 4, 5	513			513	518	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	188	774	0.242	187	196	0.3	0.3	6.376	A
			2	1, 2, 4, 5	206	755	0.273	206	220	0.4	0.4	5.987	A
		2	1	(1, 2, 3, 4, 5)	394			394	416	0.0	0.0	0.000	A
	Exit	1	1		239			239	249	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1459			1459	1527	0.0	0.0	0.000	A
			2	1, 4, 5	288			288	307	0.0	0.0	0.000	A
	CircBase	1	1	3	1220			1220	1278	0.0	0.0	0.000	A
			2	1, 4, 5	288			288	307	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	487	876	0.557	482	518	1.2	1.7	9.144	A
			2	1, 2, 3	533	856	0.622	528	580	1.1	2.0	11.801	B
		2	1	(1, 2, 3, 4, 5)	1022			1020	1105	0.0	0.1	0.195	A
	Exit	1	1		1406			1406	1474	0.0	0.0	0.000	A
	CircLink	1	1	3	1406			1406	1474	0.0	0.0	0.000	A
			2	1, 2, 4, 5	494			494	527	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	469			469	500	0.0	0.0	0.000	A
			2	1, 2	24			24	26	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	22	461	0.048	22	26	0.1	0.0	8.240	A
			2	1, 2, 3	357	474	0.754	354	370	1.7	2.0	17.979	C
	Exit	1	1		378			378	393	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	952			952	1018	0.0	0.0	0.000	A
			2	1, 2, 3	553			553	607	0.0	0.0	0.000	A
	CircBase	1	1	5	573			573	626	0.0	0.0	0.000	A
			2	1, 2, 3	553			553	607	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	380			379	397	1.8	2.3	17.894	C
5 - A1079 (W)	Entry	1	1	1, 2	173	641	0.271	173	192	0.4	0.4	7.597	A
			2	3, 4, 5	375	676	0.556	377	381	1.0	1.2	11.609	B
	CircBase	1	1	1, 2	771			771	840	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	549			549	574	0.0	0.0	0.000	A
	Exit	1	1		595			595	652	0.0	0.0	0.000	A
	CircLink	1	1	5	595			595	652	0.0	0.0	0.000	A
			2	1, 2, 3, 4	906			906	977	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	136			136	137	0.0	0.0	0.000	A

08:00 - 08:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	640	948	0.675	637	702	6.8	2.2	15.080	C
			2	1, 4, 5	199	939	0.212	199	215	0.3	0.4	5.070	A
		2	1	(1, 2, 3, 4, 5)	839			839	897	0.7	0.0	0.379	A
	Exit	1	1		616			616	691	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	798			798	869	0.0	0.0	0.000	A
			2	3, 4, 5	414			414	432	0.0	0.0	0.000	A
	CircBase	1	1	2	182			182	179	0.0	0.0	0.000	A
			2	3, 4, 5	414			414	432	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	157	861	0.183	157	165	0.3	0.2	5.499	A
			2	1, 2, 4, 5	168	850	0.197	169	184	0.4	0.2	5.957	A
		2	1	(1, 2, 3, 4, 5)	325			325	348	0.0	0.0	0.000	A
	Exit	1	1		211			211	210	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1205			1205	1283	0.0	0.0	0.000	A
			2	1, 4, 5	227			227	244	0.0	0.0	0.000	A
	CircBase	1	1	3	994			994	1073	0.0	0.0	0.000	A
			2	1, 4, 5	227			227	244	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	392	901	0.434	391	431	1.7	0.9	7.804	A
			2	1, 2, 3	431	880	0.490	436	481	2.0	0.7	8.714	A
		2	1	(1, 2, 3, 4, 5)	822			823	903	0.1	0.0	0.047	A
	Exit	1	1		1151			1151	1238	0.0	0.0	0.000	A
	CircLink	1	1	3	1151			1151	1238	0.0	0.0	0.000	A
			2	1, 2, 4, 5	397			397	428	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	374			374	406	0.0	0.0	0.000	A
			2	1, 2	22			22	23	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	20	488	0.042	20	23	0.0	0.1	8.031	A
			2	1, 2, 3	305	527	0.580	303	318	2.0	1.2	14.024	B
	Exit	1	1		302			302	323	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	765			765	837	0.0	0.0	0.000	A
			2	1, 2, 3	458			458	504	0.0	0.0	0.000	A
	CircBase	1	1	5	463			463	514	0.0	0.0	0.000	A
			2	1, 2, 3	458			458	504	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	326			325	338	2.3	0.3	5.558	A
5 - A1079 (W)	Entry	1	1	1, 2	148	680	0.217	148	164	0.4	0.2	6.955	A
			2	3, 4, 5	302	720	0.419	303	316	1.2	0.7	8.787	A
	CircBase	1	1	1, 2	650			650	706	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	449			449	476	0.0	0.0	0.000	A
	Exit	1	1		483			483	537	0.0	0.0	0.000	A
	CircLink	1	1	5	483			483	537	0.0	0.0	0.000	A
			2	1, 2, 3, 4	761			761	822	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	111			111	116	0.0	0.0	0.000	A

08:15 - 08:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	519	991	0.525	517	561	2.2	1.1	8.854	A
			2	1, 4, 5	173	979	0.177	173	184	0.4	0.3	4.686	A
		2	1	(1, 2, 3, 4, 5)	693			693	740	0.0	0.0	0.000	A
	Exit	1	1		500			500	566	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	640			640	712	0.0	0.0	0.000	A
			2	3, 4, 5	323			323	345	0.0	0.0	0.000	A
	CircBase	1	1	2	139			139	146	0.0	0.0	0.000	A
			2	3, 4, 5	323			323	345	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	124	946	0.131	124	132	0.2	0.1	4.699	A
			2	1, 2, 4, 5	156	921	0.169	159	156	0.2	0.1	4.879	A
		2	1	(1, 2, 3, 4, 5)	280			280	287	0.0	0.0	0.000	A
	Exit	1	1		165			165	170	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	953			953	1027	0.0	0.0	0.000	A
			2	1, 4, 5	199			199	208	0.0	0.0	0.000	A
	CircBase	1	1	3	788			788	857	0.0	0.0	0.000	A
			2	1, 4, 5	199			199	208	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	332	912	0.364	332	363	0.9	0.5	6.356	A
			2	1, 2, 3	350	895	0.391	348	394	0.7	0.7	7.369	A
		2	1	(1, 2, 3, 4, 5)	682			682	756	0.0	0.0	0.070	A
	Exit	1	1		913			913	989	0.0	0.0	0.000	A
	CircLink	1	1	3	913			913	989	0.0	0.0	0.000	A
			2	1, 2, 4, 5	359			359	364	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	337			337	343	0.0	0.0	0.000	A
			2	1, 2	22			22	21	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	16	541	0.030	17	19	0.1	0.0	6.240	A
			2	1, 2, 3	242	555	0.438	242	256	1.2	0.6	10.787	B
	Exit	1	1		253			253	266	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	668			668	706	0.0	0.0	0.000	A
			2	1, 2, 3	371			371	415	0.0	0.0	0.000	A
	CircBase	1	1	5	416			416	440	0.0	0.0	0.000	A
			2	1, 2, 3	371			371	415	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	259			258	273	0.3	0.1	1.438	A
5 - A1079 (W)	Entry	1	1	1, 2	117	703	0.167	118	131	0.2	0.2	6.676	A
			2	3, 4, 5	232	761	0.305	232	254	0.7	0.4	7.132	A
	CircBase	1	1	1, 2	521			521	581	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	350			350	383	0.0	0.0	0.000	A
	Exit	1	1		433			433	459	0.0	0.0	0.000	A
	CircLink	1	1	5	433			433	459	0.0	0.0	0.000	A
			2	1, 2, 3, 4	613			613	672	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	92			92	91	0.0	0.0	0.000	A

Lanes: Queue Variation Results for each time segment

07:00 - 07:15

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	1.05	0.00	0.00	2.65	3.62
			2	0.19	0.00	0.00	0.47	0.88
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.14	0.00	0.00	0.98	0.98
			2	0.16	0.00	0.00	0.38	0.72
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.58	0.00	0.00	1.88	2.53
			2	0.81	0.00	0.00	1.69	2.54
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.05	0.00	0.00	0.00	0.00
			2	0.60	0.00	0.00	1.68	2.94
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.04	0.00	0.00	0.00	0.00
5 - A1079 (W)	Entry	1	1	0.19	0.00	0.00	0.45	1.05
			2	0.34	0.00	0.00	0.79	1.42
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

07:15 - 07:30

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	1.95	0.00	0.38	4.23	7.99
			2	0.31	0.00	0.00	0.86	1.43
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.28	0.00	0.00	0.72	1.15
			2	0.21	0.00	0.00	0.41	0.89
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.82	0.00	0.00	2.17	2.71
			2	0.92	0.00	0.00	2.31	3.11
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.03	0.00	0.00	0.00	0.00
			2	0.93	0.00	0.14	2.95	2.95
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.03	0.00	0.00	0.00	0.00
5 - A1079 (W)	Entry	1	1	0.29	0.00	0.00	0.90	1.42
			2	0.87	0.00	0.00	1.74	3.11
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

07:30 - 07:45

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	6.33	0.00	4.27	14.22	18.25
			2	0.55	0.00	0.00	1.35	1.82
		2	1	0.47	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.27	0.00	0.00	0.68	0.94
			2	0.48	0.00	0.00	1.37	1.86
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	1.21	0.00	0.31	2.81	3.62
			2	1.14	0.00	0.00	3.33	4.16
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.08	0.00	0.00	0.00	0.95
			2	1.75	0.00	1.47	2.74	2.86
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	1.77	0.00	0.00	6.85	8.64
5 - A1079 (W)	Entry	1	1	0.38	0.00	0.00	1.04	1.49
			2	1.05	0.00	0.00	2.83	4.24
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

07:45 - 08:00

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	7.00	0.00	4.05	16.08	20.80
			2	0.36	0.00	0.00	0.86	1.53
		2	1	0.67	0.00	0.00	0.00	2.82
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.28	0.00	0.00	0.68	0.89
			2	0.44	0.00	0.00	0.83	1.20
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	1.80	0.00	0.63	4.38	6.10
			2	1.95	0.00	0.75	4.95	5.73
		2	1	0.13	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.03	0.00	0.00	0.00	0.00
			2	2.03	0.00	2.06	2.78	2.87
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	2.26	0.00	0.00	7.82	10.26
5 - A1079 (W)	Entry	1	1	0.42	0.00	0.00	1.34	2.68
			2	1.30	0.00	0.35	2.83	3.66
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

08:00 - 08:15

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	2.25	0.00	0.68	5.71	7.45
			2	0.42	0.00	0.00	0.80	1.18
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.24	0.00	0.00	0.57	0.85
			2	0.25	0.00	0.00	0.55	1.12
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.87	0.00	0.00	2.25	3.05
			2	0.73	0.00	0.00	2.06	2.97
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.05	0.00	0.00	0.00	0.91
			2	1.25	0.00	0.52	2.58	2.80
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.32	0.00	0.00	0.00	2.44
5 - A1079 (W)	Entry	1	1	0.23	0.00	0.00	0.63	1.80
			2	0.75	0.00	0.00	1.69	2.38
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

08:15 - 08:30

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	1.18	0.00	0.00	3.10	4.29
			2	0.32	0.00	0.00	0.77	1.41
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.11	0.00	0.00	0.00	0.57
			2	0.05	0.00	0.00	0.00	0.00
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.54	0.00	0.00	1.47	2.11
			2	0.68	0.00	0.00	1.58	2.99
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.03	0.00	0.00	0.00	0.00
			2	0.70	0.00	0.00	1.77	2.31
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.07	0.00	0.00	0.00	0.16
5 - A1079 (W)	Entry	1	1	0.19	0.00	0.00	0.44	0.83
			2	0.37	0.00	0.00	0.79	1.19
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

Lane movements: Main Results for each time segment

07:00 - 07:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	25	6	1184	994	0.025	25	25	0.0	0.0	8.173	A
				3	499	125	1184	972	0.513	502	526	0.0	1.0	8.602	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	105	26	1184	1000	0.105	106	112	0.0	0.1	4.408	A
				5	75	19	1184	922	0.082	75	73	0.0	0.1	4.423	A
	CircLink	1	1	1	51	13	-	-	-	51	62	0.0	0.0	0.000	A
				2	68	17	-	-	-	68	69	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	230	57	-	-	-	230	234	0.0	0.0	0.000	A
				4	23	6	-	-	-	23	23	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	68	17	-	-	-	68	69	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	230	57	-	-	-	230	234	0.0	0.0	0.000	A
				4	23	6	-	-	-	23	23	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	25	6	-	-	-	25	25	0.0	0.0	0.000	A
				3	499	125	-	-	-	499	530	0.0	0.0	0.000	A
				4	105	26	-	-	-	105	113	0.0	0.0	0.000	A
				5	75	19	-	-	-	75	73	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	128	32	1289	927	0.138	129	134	0.0	0.1	4.366	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	18	5	1234	886	0.021	18	20	0.0	0.0	5.031	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	29	7	1289	948	0.030	29	30	0.0	0.0	4.510	A
				5	94	24	1289	879	0.107	94	102	0.0	0.1	4.580	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	25	6	-	-	-	25	25	0.0	0.0	0.000	A
				3	502	125	-	-	-	502	526	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	106	26	-	-	-	106	112	0.0	0.0	0.000	A
				5	75	19	-	-	-	75	73	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	230	57	-	-	-	230	234	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	23	6	-	-	-	23	23	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	18	5	-	-	-	18	20	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	128	32	-	-	-	128	134	0.0	0.0	0.000	A
				4	29	7	-	-	-	29	30	0.0	0.0	0.000	A
				5	94	24	-	-	-	94	103	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	101	25	1076	915	0.110	101	105	0.0	0.1	7.093	A
				5	234	59	1076	915	0.256	237	249	0.0	0.4	6.821	A
			2	1	324	81	1076	899	0.362	323	348	0.0	0.7	6.808	A
				2	43	11	1076	922	0.047	43	45	0.0	0.1	6.383	A
				3	1	0.26	92	84	0.012	1	0.51	0.0	0.0	7.252	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	324	81	-	-	-	324	352	0.0	0.0	0.014	A
				2	43	11	-	-	-	43	45	0.0	0.0	0.013	A
				3	1	0.26	-	-	-	1	0.51	0.0	0.0	0.000	A
				4	101	25	-	-	-	101	106	0.0	0.0	0.019	A
				5	234	59	-	-	-	234	251	0.0	0.0	0.012	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	129	32	-	-	-	129	134	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	18	4	-	-	-	18	20	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	29	7	-	-	-	29	30	0.0	0.0	0.000	A
				5	94	23	-	-	-	94	102	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	23	6	-	-	-	23	23	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	18	4	-	-	-	18	20	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	19	5	758	521	0.036	19	19	0.0	0.1	6.497	A
				1	116	29	769	547	0.212	117	127	0.0	0.4	10.354	B
				2	34	8	769	570	0.059	34	33	0.0	0.1	10.031	B
			2	3	90	23	769	569	0.158	91	90	0.0	0.2	9.946	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	101	25	-	-	-	101	105	0.0	0.0	0.000	A
				5	237	59	-	-	-	237	249	0.0	0.0	0.000	A
				1	323	81	-	-	-	323	348	0.0	0.0	0.000	A
				2	43	11	-	-	-	43	45	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	1	0.26	-	-	-	1	0.51	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	323	81	-	-	-	323	348	0.0	0.0	0.000	A
				2	43	11	-	-	-	43	45	0.0	0.0	0.000	A
			2	3	1	0.26	-	-	-	1	0.51	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2		1	116	29	-	-	-	116	129	0.0	0.0	0.794	A
				2	33	8	-	-	-	34	33	0.0	0.0	0.882	A
			1	3	90	23	-	-	-	90	91	0.0	0.0	0.985	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	19	5	-	-	-	19	19	0.0	0.0	0.400	A
				1	50	13	1070	629	0.079	51	62	0.0	0.1	6.525	A
				2	68	17	1070	785	0.086	68	69	0.0	0.1	5.574	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	226	56	1070	744	0.303	230	234	0.0	0.3	6.700	A
				4	24	6	1070	789	0.031	23	23	0.0	0.1	6.336	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	19	5	-	-	-	19	19	0.0	0.0	0.000	A
				1	117	29	-	-	-	117	127	0.0	0.0	0.000	A
				2	34	9	-	-	-	34	33	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	91	23	-	-	-	91	90	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	117	29	-	-	-	117	127	0.0	0.0	0.000	A
				2	34	9	-	-	-	34	33	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	91	23	-	-	-	91	90	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	Entry	2		1	50	13	-	-	-	50	62	0.0	0.0	0.000	A
				2	68	17	-	-	-	68	69	0.0	0.0	0.000	A
			1	3	226	56	-	-	-	226	235	0.0	0.0	0.000	A
				4	24	6	-	-	-	24	23	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

07:15 - 07:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	28	7	1184	953	0.030	28	32	1.0	0.1	11.061	B
				3	615	154	1184	943	0.651	615	643	1.0	1.9	10.952	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	130	32	1184	976	0.133	129	139	0.2	0.2	4.785	A
				5	80	20	1184	924	0.087	80	87	0.2	0.1	5.021	A
	CircLink	1	1	1	62	16	-	-	-	62	77	0.0	0.0	0.000	A
				2	82	21	-	-	-	82	83	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	266	67	-	-	-	266	277	0.0	0.0	0.000	A
				4	28	7	-	-	-	28	28	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	82	21	-	-	-	82	83	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	266	67	-	-	-	266	277	0.0	0.0	0.000	A
				4	28	7	-	-	-	28	28	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	28	7	-	-	-	28	32	0.0	0.0	0.000	A
				3	615	154	-	-	-	615	647	0.0	0.0	0.001	A
				4	130	32	-	-	-	130	139	0.0	0.0	0.000	A
				5	80	20	-	-	-	80	87	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	154	39	1289	866	0.178	153	154	0.1	0.3	4.913	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	23	6	1271	832	0.028	24	24	0.2	0.0	5.387	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	31	8	1289	878	0.036	30	30	0.2	0.1	5.725	A
				5	111	28	1289	834	0.133	112	117	0.2	0.1	5.348	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	28	7	-	-	-	28	32	0.0	0.0	0.000	A
				3	615	154	-	-	-	615	643	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	129	32	-	-	-	129	139	0.0	0.0	0.000	A
				5	80	20	-	-	-	80	87	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	266	67	-	-	-	266	277	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	28	7	-	-	-	28	28	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	23	6	-	-	-	23	24	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	154	39	-	-	-	154	154	0.0	0.0	0.000	A
				4	31	8	-	-	-	31	31	0.0	0.0	0.000	A
				5	111	28	-	-	-	111	117	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	114	29	1076	896	0.127	114	121	0.5	0.2	7.641	A
				5	296	74	1076	891	0.333	296	314	0.5	0.6	7.567	A
			2	1	368	92	1076	885	0.414	370	410	0.7	0.8	7.973	A
				2	49	12	1076	909	0.054	49	56	0.7	0.1	7.926	A
				3	0.51	0.13	231	207	0.002	0.51	0.91	0.0	0.0	5.023	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	368	92	-	-	-	368	411	0.0	0.0	0.005	A
				2	49	12	-	-	-	49	56	0.0	0.0	0.016	A
				3	0.51	0.13	-	-	-	0.51	0.91	0.0	0.0	0.000	A
				4	114	29	-	-	-	114	120	0.0	0.0	0.000	A
				5	296	74	-	-	-	296	315	0.0	0.0	0.002	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	153	38	-	-	-	153	154	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	24	6	-	-	-	24	24	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	30	8	-	-	-	30	30	0.0	0.0	0.000	A
				5	112	28	-	-	-	112	117	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	28	7	-	-	-	28	28	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	24	6	-	-	-	24	24	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	19	5	736	496	0.038	19	21	0.1	0.0	6.639	A
				1	142	36	769	515	0.275	143	150	0.6	0.5	12.329	B
				2	39	10	769	533	0.074	38	37	0.6	0.2	12.217	B
			2	3	112	28	769	533	0.210	114	110	0.6	0.3	12.240	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	114	28	-	-	-	114	121	0.0	0.0	0.000	A
				5	296	74	-	-	-	296	314	0.0	0.0	0.000	A
				1	370	93	-	-	-	370	410	0.0	0.0	0.000	A
				2	49	12	-	-	-	49	56	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	0.51	0.13	-	-	-	0.51	0.91	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	370	93	-	-	-	370	410	0.0	0.0	0.000	A
				2	49	12	-	-	-	49	56	0.0	0.0	0.000	A
			2	3	0.51	0.13	-	-	-	0.51	0.91	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2		1	141	35	-	-	-	142	151	0.0	0.0	1.936	A
				2	39	10	-	-	-	39	37	0.0	0.0	2.365	A
			1	3	111	28	-	-	-	112	110	0.0	0.0	2.120	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	19	5	-	-	-	19	21	0.0	0.0	1.138	A
	Entry	1		1	62	15	1070	610	0.102	62	77	0.2	0.1	7.992	A
				2	82	21	1070	756	0.109	82	83	0.2	0.1	6.239	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	269	67	1070	728	0.370	266	277	0.3	0.8	8.206	A
				4	29	7	1055	751	0.038	28	28	0.3	0.1	7.747	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	19	5	-	-	-	19	21	0.0	0.0	0.000	A
				1	143	36	-	-	-	143	150	0.0	0.0	0.000	A
				2	38	10	-	-	-	38	37	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	114	28	-	-	-	114	110	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	143	36	-	-	-	143	150	0.0	0.0	0.000	A
				2	38	10	-	-	-	38	37	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	114	28	-	-	-	114	110	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	Entry	2		1	62	15	-	-	-	62	77	0.0	0.0	0.000	A
				2	82	21	-	-	-	82	83	0.0	0.0	0.000	A
			1	3	269	67	-	-	-	269	279	0.0	0.0	0.000	A
				4	29	7	-	-	-	29	28	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

07:30 - 07:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	36	9	1184	943	0.038	38	37	2.0	0.1	23.993	C
				3	753	188	1184	911	0.828	754	778	2.0	6.2	25.606	D
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	157	39	1184	940	0.167	155	157	0.3	0.3	5.390	A
				5	104	26	1184	863	0.120	104	114	0.3	0.2	5.442	A
	CircLink	1	1	1	72	18	-	-	-	72	90	0.0	0.0	0.000	A
				2	101	25	-	-	-	101	101	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	327	82	-	-	-	327	341	0.0	0.0	0.000	A
				4	36	9	-	-	-	36	36	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	101	25	-	-	-	101	101	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	327	82	-	-	-	327	341	0.0	0.0	0.000	A
				4	36	9	-	-	-	36	36	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	36	9	-	-	-	36	37	0.0	0.0	0.670	A
				3	754	188	-	-	-	753	796	0.0	0.3	0.713	A
				4	157	39	-	-	-	157	158	0.0	0.1	0.517	A
				5	105	26	-	-	-	104	114	0.0	0.1	0.422	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	191	48	1289	770	0.248	191	195	0.3	0.3	6.059	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	28	7	1289	740	0.038	29	29	0.2	0.0	5.786	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	47	12	1289	786	0.060	47	45	0.2	0.1	5.901	A
				5	136	34	1289	756	0.181	133	141	0.2	0.3	6.198	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	38	9	-	-	-	38	37	0.0	0.0	0.000	A
				3	754	189	-	-	-	754	778	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	155	39	-	-	-	155	157	0.0	0.0	0.000	A
				5	104	26	-	-	-	104	114	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	327	82	-	-	-	327	341	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	36	9	-	-	-	36	36	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	28	7	-	-	-	28	29	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	191	48	-	-	-	191	195	0.0	0.0	0.000	A
				4	47	12	-	-	-	47	45	0.0	0.0	0.000	A
				5	136	34	-	-	-	136	142	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	136	34	1076	879	0.155	137	151	0.8	0.3	9.615	A
				5	340	85	1076	867	0.392	343	369	0.8	0.9	9.410	A
			2	1	471	118	1076	858	0.549	476	521	0.9	0.9	10.976	B
				2	66	16	1076	892	0.074	67	70	0.9	0.1	11.612	B
				3	0.86	0.21	323	281	0.003	0.86	1	0.0	0.0	11.862	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	471	118	-	-	-	471	522	0.0	0.0	0.214	A
				2	66	16	-	-	-	66	70	0.0	0.0	0.244	A
				3	0.86	0.21	-	-	-	0.86	1	0.0	0.0	0.000	A
				4	136	34	-	-	-	136	152	0.0	0.0	0.234	A
				5	340	85	-	-	-	340	370	0.0	0.0	0.264	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	191	48	-	-	-	191	195	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	29	7	-	-	-	29	29	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	47	12	-	-	-	47	45	0.0	0.0	0.000	A
				5	133	33	-	-	-	133	141	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	36	9	-	-	-	36	36	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	29	7	-	-	-	29	29	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	24	6	769	449	0.054	24	25	0.0	0.1	8.057	A
	Entry	1		1	175	44	769	456	0.382	174	181	0.9	0.9	17.256	C
				2	45	11	769	475	0.094	43	44	0.9	0.3	16.283	C
			2	3	131	33	769	476	0.275	132	126	0.9	0.5	16.470	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	137	34	-	-	-	137	151	0.0	0.0	0.000	A
				5	343	86	-	-	-	343	369	0.0	0.0	0.000	A
	CircLink	1		1	476	119	-	-	-	476	521	0.0	0.0	0.000	A
				2	67	17	-	-	-	67	70	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	0.86	0.21	-	-	-	0.86	1	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	476	119	-	-	-	476	521	0.0	0.0	0.000	A
				2	67	17	-	-	-	67	70	0.0	0.0	0.000	A
			2	3	0.86	0.21	-	-	-	0.86	1	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	178	45	-	-	-	175	183	0.0	1.0	12.073	B
				2	44	11	-	-	-	45	44	0.0	0.2	12.621	B
	Entry	2	1	3	132	33	-	-	-	131	127	0.0	0.6	12.723	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	24	6	-	-	-	24	25	0.0	0.1	9.627	A
				1	72	18	1070	583	0.123	72	90	0.3	0.1	7.590	A
				2	103	26	1070	704	0.146	101	101	0.3	0.2	6.756	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	322	80	1070	670	0.481	327	341	0.9	1.0	11.254	B
				4	34	9	1070	709	0.048	36	36	0.9	0.0	11.400	B
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		5	24	6	-	-	-	24	25	0.0	0.0	0.000	A
				1	174	44	-	-	-	174	181	0.0	0.0	0.000	A
				2	43	11	-	-	-	43	44	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	132	33	-	-	-	132	126	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	174	44	-	-	-	174	181	0.0	0.0	0.000	A
				2	43	11	-	-	-	43	44	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	132	33	-	-	-	132	126	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	72	18	-	-	-	72	90	0.0	0.0	0.000	A
				2	103	26	-	-	-	103	101	0.0	0.0	0.000	A
	Entry	2	1	3	322	80	-	-	-	322	342	0.0	0.0	0.005	A
				4	34	9	-	-	-	34	36	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

07:45 - 08:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	32	8	1184	910	0.036	32	35	6.3	0.3	29.160	D
				3	753	188	1184	905	0.835	743	794	6.3	6.5	29.216	D
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	156	39	1184	924	0.169	157	163	0.5	0.2	5.738	A
				5	95	24	1184	868	0.110	95	110	0.5	0.1	5.920	A
	CircLink	1	1	1	76	19	-	-	-	76	93	0.0	0.0	0.000	A
				2	98	24	-	-	-	98	99	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	341	85	-	-	-	341	347	0.0	0.0	0.000	A
				4	36	9	-	-	-	36	34	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	98	24	-	-	-	98	99	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	341	85	-	-	-	341	347	0.0	0.0	0.000	A
				4	36	9	-	-	-	36	34	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	33	8	-	-	-	32	36	0.5	0.0	1.727	A
				3	758	190	-	-	-	753	796	0.5	0.5	1.567	A
				4	156	39	-	-	-	156	162	0.5	0.1	1.349	A
				5	96	24	-	-	-	95	110	0.5	0.1	1.477	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	188	47	1289	775	0.242	187	196	0.3	0.3	6.376	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	25	6	1271	743	0.034	24	26	0.4	0.1	6.348	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	42	10	1289	790	0.053	41	42	0.4	0.1	5.738	A
				5	139	35	1289	747	0.187	140	151	0.4	0.2	5.996	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	32	8	-	-	-	32	35	0.0	0.0	0.000	A
				3	743	186	-	-	-	743	794	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	157	39	-	-	-	157	163	0.0	0.0	0.000	A
				5	95	24	-	-	-	95	110	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	341	85	-	-	-	341	347	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	36	9	-	-	-	36	34	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	25	6	-	-	-	25	27	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	188	47	-	-	-	188	196	0.0	0.0	0.000	A
				4	42	10	-	-	-	42	42	0.0	0.0	0.000	A
				5	139	35	-	-	-	139	151	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	144	36	1076	877	0.165	144	154	1.2	0.4	9.090	A
				5	343	86	1076	875	0.392	338	364	1.2	1.3	9.167	A
			2	1	465	116	1076	853	0.545	461	508	1.1	1.7	11.845	B
				2	67	17	1076	873	0.076	65	71	1.1	0.3	11.460	B
				3	2	0.43	354	306	0.006	2	1	0.0	0.0	13.021	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	465	116	-	-	-	465	511	0.0	0.1	0.221	A
				2	67	17	-	-	-	67	72	0.0	0.0	0.166	A
				3	2	0.43	-	-	-	2	1	0.0	0.0	1.384	A
				4	144	36	-	-	-	144	155	0.0	0.0	0.114	A
				5	344	86	-	-	-	343	366	0.0	0.1	0.193	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	187	47	-	-	-	187	196	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	24	6	-	-	-	24	26	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	41	10	-	-	-	41	42	0.0	0.0	0.000	A
				5	140	35	-	-	-	140	151	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	36	9	-	-	-	36	34	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	24	6	-	-	-	24	26	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	22	6	769	457	0.048	22	26	0.1	0.0	8.240	A
	Entry	1		1	181	45	769	463	0.391	176	191	1.7	1.1	17.882	C
				2	45	11	769	482	0.092	44	44	1.7	0.3	18.109	C
			2	3	131	33	769	481	0.273	134	135	1.7	0.6	18.068	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	144	36	-	-	-	144	154	0.0	0.0	0.000	A
				5	338	84	-	-	-	338	364	0.0	0.0	0.000	A
	CircLink	1		1	461	115	-	-	-	461	508	0.0	0.0	0.000	A
				2	65	16	-	-	-	65	71	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	2	0.47	-	-	-	2	1	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	461	115	-	-	-	461	508	0.0	0.0	0.000	A
				2	65	16	-	-	-	65	71	0.0	0.0	0.000	A
			2	3	2	0.47	-	-	-	2	1	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	181	45	-	-	-	181	191	1.8	1.1	18.459	C
				2	45	11	-	-	-	45	44	1.8	0.3	17.578	C
	Entry	2	1	3	134	33	-	-	-	131	136	1.8	0.9	17.696	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	21	5	-	-	-	22	26	1.8	0.1	15.335	C
				1	75	19	1070	566	0.133	76	93	0.4	0.2	8.345	A
				2	99	25	1070	710	0.139	98	99	0.4	0.2	7.027	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	339	85	1070	671	0.507	341	347	1.0	1.1	11.689	B
				4	36	9	1070	716	0.051	36	34	1.0	0.1	10.833	B
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		5	22	6	-	-	-	22	26	0.0	0.0	0.000	A
				1	176	44	-	-	-	176	191	0.0	0.0	0.000	A
				2	44	11	-	-	-	44	44	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	134	33	-	-	-	134	135	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	176	44	-	-	-	176	191	0.0	0.0	0.000	A
				2	44	11	-	-	-	44	44	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	134	33	-	-	-	134	135	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	75	19	-	-	-	75	94	0.0	0.0	0.000	A
				2	99	25	-	-	-	99	99	0.0	0.0	0.000	A
	Entry	2	1	3	339	85	-	-	-	339	348	0.0	0.0	0.000	A
				4	36	9	-	-	-	36	34	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

08:00 - 08:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	29	7	1184	976	0.030	28	31	6.8	0.1	14.730	B
				3	611	153	1184	947	0.645	609	670	6.8	2.1	15.096	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	130	32	1184	967	0.134	129	135	0.3	0.3	4.984	A
				5	69	17	1184	890	0.078	70	80	0.3	0.1	5.224	A
	CircLink	1	1	1	63	16	-	-	-	63	80	0.0	0.0	0.000	A
				2	86	21	-	-	-	86	84	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	275	69	-	-	-	275	286	0.0	0.0	0.000	A
				4	29	7	-	-	-	29	29	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	86	21	-	-	-	86	84	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	275	69	-	-	-	275	286	0.0	0.0	0.000	A
				4	29	7	-	-	-	29	29	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	29	7	-	-	-	29	31	0.7	0.0	0.206	A
				3	611	153	-	-	-	611	651	0.7	0.0	0.381	A
				4	130	32	-	-	-	130	135	0.7	0.0	0.429	A
				5	69	17	-	-	-	69	80	0.7	0.0	0.335	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	157	39	1289	861	0.182	157	165	0.3	0.2	5.499	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	22	5	1289	842	0.026	22	23	0.4	0.0	6.220	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	32	8	1289	880	0.036	32	35	0.4	0.0	5.817	A
				5	115	29	1289	842	0.136	116	127	0.4	0.2	5.949	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	28	7	-	-	-	28	31	0.0	0.0	0.000	A
				3	609	152	-	-	-	609	670	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	129	32	-	-	-	129	135	0.0	0.0	0.000	A
				5	70	18	-	-	-	70	80	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	275	69	-	-	-	275	286	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	29	7	-	-	-	29	29	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	22	5	-	-	-	22	22	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	157	39	-	-	-	157	165	0.0	0.0	0.000	A
				4	32	8	-	-	-	32	34	0.0	0.0	0.000	A
				5	115	29	-	-	-	115	126	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	112	28	1076	907	0.124	113	123	1.7	0.2	7.983	A
				5	279	70	1076	899	0.310	277	307	1.7	0.7	7.732	A
			2	1	376	94	1076	882	0.426	381	424	2.0	0.6	8.737	A
				2	54	13	1076	876	0.062	54	56	2.0	0.1	8.504	A
				3	1	0.30	277	244	0.005	1	1	0.0	0.0	10.518	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	375	94	-	-	-	376	419	0.1	0.0	0.053	A
				2	54	13	-	-	-	54	55	0.1	0.0	0.011	A
				3	1	0.30	-	-	-	1	1	0.0	0.0	0.000	A
				4	112	28	-	-	-	112	122	0.1	0.0	0.023	A
				5	279	70	-	-	-	279	304	0.1	0.0	0.055	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	157	39	-	-	-	157	165	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	22	6	-	-	-	22	23	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	32	8	-	-	-	32	35	0.0	0.0	0.000	A
				5	116	29	-	-	-	116	127	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	29	7	-	-	-	29	29	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	22	6	-	-	-	22	23	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	20	5	769	486	0.042	20	23	0.0	0.1	8.031	A
				1	151	38	769	518	0.293	151	165	2.0	0.6	13.891	B
				2	43	11	769	537	0.081	42	39	2.0	0.2	14.244	B
			2	3	111	28	769	534	0.207	110	115	2.0	0.4	14.133	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	113	28	-	-	-	113	123	0.0	0.0	0.000	A
	CircLink	1		5	277	69	-	-	-	277	307	0.0	0.0	0.000	A
				1	381	95	-	-	-	381	424	0.0	0.0	0.000	A
				2	54	14	-	-	-	54	56	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	1	0.30	-	-	-	1	1	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	381	95	-	-	-	381	424	0.0	0.0	0.000	A
				2	54	14	-	-	-	54	56	0.0	0.0	0.000	A
			2	3	1	0.30	-	-	-	1	1	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	152	38	-	-	-	151	163	2.3	0.2	5.495	A
				2	43	11	-	-	-	43	38	2.3	0.0	5.879	A
	Entry	2	1	3	111	28	-	-	-	111	114	2.3	0.1	5.639	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	20	5	-	-	-	20	23	2.3	0.0	5.048	A
				1	62	16	1070	601	0.103	63	80	0.4	0.1	7.606	A
				2	86	21	1070	754	0.114	86	84	0.4	0.2	6.458	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	273	68	1070	716	0.381	275	286	1.2	0.7	8.917	A
				4	29	7	1070	759	0.038	29	29	1.2	0.0	7.594	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		5	20	5	-	-	-	20	23	0.0	0.0	0.000	A
				1	151	38	-	-	-	151	165	0.0	0.0	0.000	A
				2	42	11	-	-	-	42	39	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	110	27	-	-	-	110	115	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	151	38	-	-	-	151	165	0.0	0.0	0.000	A
				2	42	11	-	-	-	42	39	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	110	27	-	-	-	110	115	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	62	16	-	-	-	62	79	0.0	0.0	0.000	A
				2	86	21	-	-	-	86	84	0.0	0.0	0.000	A
	Entry	2	1	3	273	68	-	-	-	273	284	0.0	0.0	0.000	A
				4	29	7	-	-	-	29	29	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

08:15 - 08:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	27	7	1184	1021	0.026	26	25	2.2	0.1	8.044	A
				3	493	123	1184	990	0.499	491	536	2.2	1.1	8.892	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	100	25	1184	1012	0.099	100	109	0.4	0.1	4.590	A
				5	73	18	1184	941	0.078	73	75	0.4	0.2	4.835	A
	CircLink	1	1	1	50	12	-	-	-	50	62	0.0	0.0	0.000	A
				2	68	17	-	-	-	68	69	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	206	51	-	-	-	206	230	0.0	0.0	0.000	A
				4	26	7	-	-	-	26	24	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	68	17	-	-	-	68	69	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	206	51	-	-	-	206	230	0.0	0.0	0.000	A
				4	26	7	-	-	-	26	24	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	27	7	-	-	-	27	24	0.0	0.0	0.000	A
				3	493	123	-	-	-	493	532	0.0	0.0	0.000	A
				4	100	25	-	-	-	100	108	0.0	0.0	0.000	A
				5	73	18	-	-	-	73	75	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	124	31	1289	946	0.131	124	132	0.2	0.1	4.699	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	22	6	1271	888	0.025	22	21	0.2	0.0	5.023	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	31	8	1289	954	0.033	32	30	0.2	0.0	4.902	A
				5	103	26	1289	910	0.113	105	104	0.2	0.0	4.843	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	26	7	-	-	-	26	25	0.0	0.0	0.000	A
				3	491	123	-	-	-	491	536	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	100	25	-	-	-	100	109	0.0	0.0	0.000	A
				5	73	18	-	-	-	73	75	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	206	51	-	-	-	206	230	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	26	7	-	-	-	26	24	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	22	6	-	-	-	22	21	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	124	31	-	-	-	124	132	0.0	0.0	0.000	A
				4	31	8	-	-	-	31	30	0.0	0.0	0.000	A
				5	103	26	-	-	-	103	104	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	93	23	1076	906	0.103	94	103	0.9	0.2	6.517	A
				5	238	60	1076	914	0.261	238	261	0.9	0.4	6.293	A
			2	1	307	77	1076	893	0.343	305	348	0.7	0.6	7.444	A
				2	44	11	1076	913	0.048	43	45	0.7	0.1	6.824	A
				3	0.34	0.09	169	151	0.002	0.34	0.69	0.0	0.0	5.912	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	307	77	-	-	-	307	348	0.0	0.0	0.098	A
				2	44	11	-	-	-	44	45	0.0	0.0	0.099	A
				3	0.34	0.09	-	-	-	0.34	0.69	0.0	0.0	0.000	A
				4	93	23	-	-	-	93	103	0.0	0.0	0.009	A
				5	238	60	-	-	-	238	259	0.0	0.0	0.053	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	124	31	-	-	-	124	132	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	22	6	-	-	-	22	21	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	32	8	-	-	-	32	30	0.0	0.0	0.000	A
				5	105	26	-	-	-	105	104	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	26	7	-	-	-	26	24	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	22	6	-	-	-	22	21	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	16	4	747	523	0.031	17	19	0.1	0.0	6.240	A
				1	125	31	769	541	0.232	123	134	1.2	0.4	11.061	B
				2	28	7	769	567	0.049	27	32	1.2	0.1	10.595	B
			2	3	90	22	769	570	0.158	91	90	1.2	0.2	10.468	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	94	23	-	-	-	94	103	0.0	0.0	0.000	A
				5	238	59	-	-	-	238	261	0.0	0.0	0.000	A
				1	305	76	-	-	-	305	348	0.0	0.0	0.000	A
				2	43	11	-	-	-	43	45	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	0.34	0.09	-	-	-	0.34	0.69	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	305	76	-	-	-	305	348	0.0	0.0	0.000	A
				2	43	11	-	-	-	43	45	0.0	0.0	0.000	A
			2	3	0.34	0.09	-	-	-	0.34	0.69	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2		1	125	31	-	-	-	125	133	0.3	0.0	1.422	A
				2	28	7	-	-	-	28	32	0.3	0.0	1.050	A
			1	3	90	23	-	-	-	90	89	0.3	0.0	1.536	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	16	4	-	-	-	16	19	0.3	0.0	1.759	A
	Entry	1		1	50	13	1070	616	0.081	50	62	0.2	0.1	7.575	A
				2	67	17	1070	781	0.086	68	69	0.2	0.1	6.026	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	206	52	1070	757	0.272	206	230	0.7	0.4	7.186	A
				4	26	6	1070	793	0.032	26	24	0.7	0.0	6.650	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	17	4	-	-	-	17	19	0.0	0.0	0.000	A
				1	123	31	-	-	-	123	134	0.0	0.0	0.000	A
				2	27	7	-	-	-	27	32	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	91	23	-	-	-	91	90	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	123	31	-	-	-	123	134	0.0	0.0	0.000	A
				2	27	7	-	-	-	27	32	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	91	23	-	-	-	91	90	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	Entry	2		1	50	13	-	-	-	50	63	0.0	0.0	0.000	A
				2	67	17	-	-	-	67	68	0.0	0.0	0.000	A
			1	3	206	52	-	-	-	206	228	0.0	0.0	0.000	A
				4	26	6	-	-	-	26	24	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

2023 Survey, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.
Info	Simulation	A1 - [Lane Simulation]	This run uses Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	Killingwoldgraves Roundabout	Standard Roundabout	✓	1, 2, 3, 4, 5	23.47	C

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	23.47	C

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D10	2023 Survey	PM	ONE HOUR	16:15	17:45	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1 - A1035 (N)		ONE HOUR	✓	705	100.000
2 - A1174 (E)		ONE HOUR	✓	347	100.000
3 - A1079 (S)		ONE HOUR	✓	880	100.000
4 - Killingwoldgraves Lane		ONE HOUR	✓	452	100.000
5 - A1079 (W)		ONE HOUR	✓	709	100.000

Origin-Destination Data

Demand (Veh/hr)

		To				
		1 - A1035 (N)	2 - A1174 (E)	3 - A1079 (S)	4 - Killingwoldgraves Lane	5 - A1079 (W)
From	1 - A1035 (N)	0	30	485	126	64
	2 - A1174 (E)	35	0	123	50	139
	3 - A1079 (S)	407	126	0	100	247
	4 - Killingwoldgraves Lane	233	83	110	0	26
	5 - A1079 (W)	127	174	395	13	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80

Heavy Vehicle %

		To				
		1 - A1035 (N)	2 - A1174 (E)	3 - A1079 (S)	4 - Killingwoldgraves Lane	5 - A1079 (W)
From	1 - A1035 (N)	0	0	3	2	13
	2 - A1174 (E)	0	0	0	0	4
	3 - A1079 (S)	1	2	0	0	4
	4 - Killingwoldgraves Lane	1	0	1	0	4
	5 - A1079 (W)	8	5	5	0	0

Cyclist %

		To				
		1 - A1035 (N)	2 - A1174 (E)	3 - A1079 (S)	4 - Killingwoldgraves Lane	5 - A1079 (W)
From	1 - A1035 (N)	0	0	0	0	0
	2 - A1174 (E)	0	0	0	0	0
	3 - A1079 (S)	0	0	0	0	0
	4 - Killingwoldgraves Lane	0	0	0	0	0
	5 - A1079 (W)	0	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
1 - A1035 (N)	11.42	2.6	10.6	B	644	966
2 - A1174 (E)	5.74	0.8	3.9	A	316	475
3 - A1079 (S)	8.69	3.1	8.8	A	809	1213
4 - Killingwoldgraves Lane	98.13	14.7	43.5	F	418	626
5 - A1079 (W)	15.47	3.4	13.3	C	662	992

Main Results for each time segment

16:15 - 16:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	532	133	692	539	564	621	0.0	0.9	6.301	A
2 - A1174 (E)	266	66	909	269	258	322	0.0	0.3	4.353	A
3 - A1079 (S)	656	164	330	663	676	848	0.0	1.1	5.802	A
4 - Killingwoldgraves Lane	360	90	773	356	349	220	0.0	1.6	15.028	C
5 - A1079 (W)	551	138	763	550	569	366	0.0	1.2	8.062	A

16:30 - 16:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	611	153	830	613	651	725	0.9	1.2	7.489	A
2 - A1174 (E)	306	76	1047	311	323	396	0.3	0.2	4.701	A
3 - A1079 (S)	814	203	380	822	835	979	1.1	1.3	7.219	A
4 - Killingwoldgraves Lane	416	104	933	413	408	269	1.6	3.6	23.337	C
5 - A1079 (W)	632	158	918	637	681	428	1.2	1.8	10.056	B

16:45 - 17:00

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	775	194	985	780	791	875	1.2	2.5	11.423	B
2 - A1174 (E)	388	97	1315	383	384	453	0.2	0.8	5.666	A
3 - A1079 (S)	956	239	475	964	970	1223	1.3	1.9	8.142	A
4 - Killingwoldgraves Lane	520	130	1132	491	473	307	3.6	10.9	54.315	F
5 - A1079 (W)	764	191	1086	775	812	536	1.8	3.6	14.419	B

17:00 - 17:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	766	192	1026	779	801	848	2.5	2.3	10.544	B
2 - A1174 (E)	389	97	1330	389	386	474	0.8	0.6	5.744	A
3 - A1079 (S)	985	246	480	973	1000	1239	1.9	3.1	8.691	A
4 - Killingwoldgraves Lane	476	119	1119	469	491	336	10.9	14.6	98.133	F
5 - A1079 (W)	807	202	1063	811	820	524	3.6	3.1	15.469	C

17:15 - 17:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	651	163	842	652	663	740	2.3	1.4	7.617	A
2 - A1174 (E)	288	72	1127	292	312	367	0.6	0.4	5.028	A
3 - A1079 (S)	804	201	381	810	830	1038	3.1	1.3	6.878	A
4 - Killingwoldgraves Lane	407	102	937	410	454	254	14.6	5.7	64.617	F
5 - A1079 (W)	670	167	911	670	685	436	3.1	2.5	11.342	B

17:30 - 17:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	531	133	672	535	571	594	1.4	0.7	6.027	A
2 - A1174 (E)	260	65	901	259	266	306	0.4	0.3	4.454	A
3 - A1079 (S)	638	159	318	647	669	843	1.3	0.6	5.675	A
4 - Killingwoldgraves Lane	326	82	755	319	370	210	5.7	1.7	20.900	C
5 - A1079 (W)	547	137	716	550	554	357	2.5	1.1	8.396	A

Queue Variation Results for each time segment

16:15 - 16:30

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	0.85	0.00	0.00	1.70	7.69
2 - A1174 (E)	0.33	0.00	0.00	0.81	2.96
3 - A1079 (S)	1.13	0.00	0.43	2.39	3.92
4 - Killingwoldgraves Lane	1.64	0.00	0.49	4.24	7.88
5 - A1079 (W)	1.25	0.00	0.28	2.60	7.53

16:30 - 16:45

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	1.19	0.00	0.40	2.51	5.86
2 - A1174 (E)	0.18	0.00	0.00	0.29	1.96
3 - A1079 (S)	1.24	0.00	0.49	2.62	3.94
4 - Killingwoldgraves Lane	3.51	0.00	0.74	9.08	14.81
5 - A1079 (W)	1.72	0.00	0.58	4.07	5.68

16:45 - 17:00

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	2.58	0.00	0.72	6.63	10.63
2 - A1174 (E)	0.81	0.00	0.21	1.42	3.95
3 - A1079 (S)	1.93	0.00	0.91	4.87	7.86
4 - Killingwoldgraves Lane	10.81	0.45	9.15	21.07	29.68
5 - A1079 (W)	3.44	0.00	2.92	6.92	9.47

17:00 - 17:15

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	2.22	0.00	0.70	5.24	9.65
2 - A1174 (E)	0.54	0.00	0.00	1.13	2.94
3 - A1079 (S)	3.09	0.00	1.80	5.20	8.83
4 - Killingwoldgraves Lane	14.73	0.67	10.16	32.52	43.63
5 - A1079 (W)	3.22	0.00	2.27	6.01	12.40

17:15 - 17:30

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	1.57	0.00	0.54	3.44	6.73
2 - A1174 (E)	0.43	0.00	0.00	1.95	1.95
3 - A1079 (S)	1.31	0.00	0.29	2.71	5.88
4 - Killingwoldgraves Lane	5.72	0.00	2.15	11.98	43.58
5 - A1079 (W)	2.52	0.00	1.34	5.00	13.19

17:30 - 17:45

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	0.71	0.00	-0.07	1.60	2.89
2 - A1174 (E)	0.26	0.00	0.00	0.65	1.97
3 - A1079 (S)	0.58	0.00	0.00	1.73	2.93
4 - Killingwoldgraves Lane	1.65	0.00	0.30	3.61	8.91
5 - A1079 (W)	1.20	0.00	0.39	2.63	5.69

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

16:15 - 16:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	395	936	0.423	399	407	0.0	0.7	6.874	A
			2	1, 4, 5	137	916	0.149	140	157	0.0	0.1	4.771	A
		2	1	(1, 2, 3, 4, 5)	532			532	568	0.0	0.0	0.000	A
	Exit	1	1		621			621	621	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	919			919	921	0.0	0.0	0.000	A
			2	3, 4, 5	394			394	406	0.0	0.0	0.000	A
	CircBase	1	1	2	298			298	300	0.0	0.0	0.000	A
			2	3, 4, 5	394			394	406	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	88	989	0.089	88	84	0.0	0.0	4.021	A
			2	1, 2, 4, 5	178	970	0.184	182	174	0.0	0.2	4.517	A
		2	1	(1, 2, 3, 4, 5)	266			266	260	0.0	0.0	0.000	A
	Exit	1	1		322			322	324	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1083			1083	1106	0.0	0.0	0.000	A
			2	1, 4, 5	148			148	164	0.0	0.0	0.000	A
	CircBase	1	1	3	761			761	782	0.0	0.0	0.000	A
			2	1, 4, 5	148			148	164	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	256	951	0.270	256	272	0.0	0.4	5.279	A
			2	1, 2, 3	400	972	0.411	407	404	0.0	0.7	6.147	A
		2	1	(1, 2, 3, 4, 5)	656			656	681	0.0	0.0	0.000	A
	Exit	1	1		848			848	866	0.0	0.0	0.000	A
	CircLink	1	1	3	848			848	866	0.0	0.0	0.000	A
			2	1, 2, 4, 5	330			330	338	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	300			300	311	0.0	0.0	0.000	A
			2	1, 2	29			29	27	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	28	549	0.050	30	23	0.0	0.0	6.650	A
			2	1, 2, 3	332	575	0.577	327	326	0.0	1.2	12.060	B
	Exit	1	1		220			220	223	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	556			556	583	0.0	0.0	0.000	A
			2	1, 2, 3	436			436	432	0.0	0.0	0.000	A
	CircBase	1	1	5	336			336	360	0.0	0.0	0.000	A
			2	1, 2, 3	436			436	432	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	360			359	354	0.0	0.4	3.282	A
5 - A1079 (W)	Entry	1	1	1, 2	243	713	0.341	244	248	0.0	0.4	7.254	A
			2	3, 4, 5	307	727	0.425	306	321	0.0	0.8	8.677	A
	CircBase	1	1	1, 2	675			675	672	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	551			551	574	0.0	0.0	0.000	A
	Exit	1	1		366			366	383	0.0	0.0	0.000	A
	CircLink	1	1	5	366			366	383	0.0	0.0	0.000	A
			2	1, 2, 3, 4	763			763	758	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	88			88	85	0.0	0.0	0.000	A

16:30 - 16:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	442	902	0.489	444	468	0.7	1.0	8.238	A
			2	1, 4, 5	169	894	0.189	169	182	0.1	0.2	5.509	A
		2	1	(1, 2, 3, 4, 5)	611			611	652	0.0	0.0	0.000	A
	Exit	1	1		725			725	743	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	1095			1095	1113	0.0	0.0	0.000	A
			2	3, 4, 5	460			460	493	0.0	0.0	0.000	A
	CircBase	1	1	2	369			369	370	0.0	0.0	0.000	A
			2	3, 4, 5	460			460	493	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	109	945	0.116	112	115	0.0	0.0	4.071	A
			2	1, 2, 4, 5	196	920	0.213	200	208	0.2	0.2	5.059	A
		2	1	(1, 2, 3, 4, 5)	306			306	322	0.0	0.0	0.000	A
	Exit	1	1		396			396	395	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1263			1263	1319	0.0	0.0	0.000	A
			2	1, 4, 5	180			180	194	0.0	0.0	0.000	A
	CircBase	1	1	3	867			867	923	0.0	0.0	0.000	A
			2	1, 4, 5	180			180	194	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	321	948	0.339	327	326	0.4	0.4	6.057	A
			2	1, 2, 3	493	958	0.514	495	508	0.7	0.9	7.924	A
		2	1	(1, 2, 3, 4, 5)	814			814	835	0.0	0.0	0.013	A
	Exit	1	1		979			979	1038	0.0	0.0	0.000	A
	CircLink	1	1	3	979			979	1038	0.0	0.0	0.000	A
			2	1, 2, 4, 5	380			380	402	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	351			351	372	0.0	0.0	0.000	A
			2	1, 2	29			29	30	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	19	513	0.037	20	22	0.0	0.0	6.220	A
			2	1, 2, 3	389	539	0.722	394	386	1.2	1.6	14.678	B
	Exit	1	1		269			269	262	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	677			677	698	0.0	0.0	0.000	A
			2	1, 2, 3	524			524	539	0.0	0.0	0.000	A
	CircBase	1	1	5	408			408	436	0.0	0.0	0.000	A
			2	1, 2, 3	524			524	539	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	416			408	410	0.4	1.9	9.051	A
5 - A1079 (W)	Entry	1	1	1, 2	277	693	0.398	284	289	0.4	0.4	8.431	A
			2	3, 4, 5	357	682	0.520	354	392	0.8	1.4	11.240	B
	CircBase	1	1	1, 2	811			811	824	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	632			632	683	0.0	0.0	0.000	A
	Exit	1	1		428			428	458	0.0	0.0	0.000	A
	CircLink	1	1	5	428			428	458	0.0	0.0	0.000	A
			2	1, 2, 3, 4	918			918	925	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	106			106	101	0.0	0.0	0.000	A

16:45 - 17:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	563	851	0.661	564	576	1.0	2.3	13.333	B
			2	1, 4, 5	213	830	0.258	217	215	0.2	0.2	6.102	A
		2	1	(1, 2, 3, 4, 5)	775			775	796	0.0	0.0	0.000	A
	Exit	1	1		875			875	871	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	1296			1296	1294	0.0	0.0	0.000	A
			2	3, 4, 5	566			566	584	0.0	0.0	0.000	A
	CircBase	1	1	2	420			420	423	0.0	0.0	0.000	A
			2	3, 4, 5	566			566	584	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	142	857	0.166	140	139	0.0	0.3	4.927	A
			2	1, 2, 4, 5	246	841	0.293	244	245	0.2	0.5	6.097	A
		2	1	(1, 2, 3, 4, 5)	388			388	387	0.0	0.0	0.000	A
	Exit	1	1		453			453	455	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1536			1536	1569	0.0	0.0	0.000	A
			2	1, 4, 5	231			231	229	0.0	0.0	0.000	A
	CircBase	1	1	3	1084			1084	1115	0.0	0.0	0.000	A
			2	1, 4, 5	231			231	229	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	384	919	0.418	384	389	0.4	0.6	6.880	A
			2	1, 2, 3	572	929	0.614	579	581	0.9	1.3	8.963	A
		2	1	(1, 2, 3, 4, 5)	956			956	973	0.0	0.0	0.009	A
	Exit	1	1		1223			1223	1254	0.0	0.0	0.000	A
	CircLink	1	1	3	1223			1223	1254	0.0	0.0	0.000	A
			2	1, 2, 4, 5	475			475	473	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	432			432	435	0.0	0.0	0.000	A
			2	1, 2	43			43	39	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	27	464	0.059	26	27	0.0	0.1	7.811	A
			2	1, 2, 3	468	492	0.952	464	447	1.6	2.7	18.370	C
	Exit	1	1		307			307	306	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	816			816	824	0.0	0.0	0.000	A
			2	1, 2, 3	622			622	619	0.0	0.0	0.000	A
	CircBase	1	1	5	510			510	518	0.0	0.0	0.000	A
			2	1, 2, 3	622			622	619	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	520			495	479	1.9	8.0	36.288	E
5 - A1079 (W)	Entry	1	1	1, 2	313	641	0.486	316	343	0.4	1.1	10.935	B
			2	3, 4, 5	452	652	0.693	459	469	1.4	2.5	16.714	C
	CircBase	1	1	1, 2	980			980	951	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	764			764	820	0.0	0.0	0.130	A
	Exit	1	1		536			536	545	0.0	0.0	0.000	A
	CircLink	1	1	5	536			536	545	0.0	0.0	0.000	A
			2	1, 2, 3, 4	1086			1086	1066	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	107			107	115	0.0	0.0	0.000	A

17:00 - 17:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	554	846	0.654	559	580	2.3	2.1	12.052	B
			2	1, 4, 5	213	801	0.265	220	221	0.2	0.2	6.423	A
		2	1	(1, 2, 3, 4, 5)	766			766	799	0.0	0.0	0.000	A
	Exit	1	1		848			848	889	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	1290			1290	1326	0.0	0.0	0.000	A
			2	3, 4, 5	584			584	592	0.0	0.0	0.000	A
	CircBase	1	1	2	441			441	437	0.0	0.0	0.000	A
			2	3, 4, 5	584			584	592	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	145	852	0.170	145	136	0.3	0.2	4.925	A
			2	1, 2, 4, 5	244	826	0.296	244	250	0.5	0.4	6.204	A
		2	1	(1, 2, 3, 4, 5)	389			389	385	0.0	0.0	0.000	A
	Exit	1	1		474			474	474	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1568			1568	1594	0.0	0.0	0.000	A
			2	1, 4, 5	236			236	236	0.0	0.0	0.000	A
	CircBase	1	1	3	1093			1093	1121	0.0	0.0	0.000	A
			2	1, 4, 5	236			236	236	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	392	909	0.432	389	401	0.6	0.9	6.977	A
			2	1, 2, 3	593	927	0.639	584	599	1.3	2.2	9.783	A
		2	1	(1, 2, 3, 4, 5)	985			985	1005	0.0	0.0	0.021	A
	Exit	1	1		1239			1239	1257	0.0	0.0	0.000	A
	CircLink	1	1	3	1239			1239	1257	0.0	0.0	0.000	A
			2	1, 2, 4, 5	480			480	486	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	448			448	449	0.0	0.0	0.000	A
			2	1, 2	33			33	37	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	23	488	0.046	23	28	0.1	0.1	8.206	A
			2	1, 2, 3	445	493	0.902	446	463	2.7	2.7	20.952	C
	Exit	1	1		336			336	319	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	837			837	851	0.0	0.0	0.000	A
			2	1, 2, 3	616			616	636	0.0	0.0	0.000	A
	CircBase	1	1	5	501			501	532	0.0	0.0	0.000	A
			2	1, 2, 3	616			616	636	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	476			468	491	8.0	11.8	77.869	F
5 - A1079 (W)	Entry	1	1	1, 2	348	654	0.534	345	349	1.1	1.1	11.799	B
			2	3, 4, 5	459	659	0.696	466	470	2.5	2.0	18.167	C
	CircBase	1	1	1, 2	945			945	977	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	807			807	819	0.0	0.0	0.001	A
	Exit	1	1		524			524	560	0.0	0.0	0.000	A
	CircLink	1	1	5	524			524	560	0.0	0.0	0.000	A
			2	1, 2, 3, 4	1063			1063	1099	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	118			118	122	0.0	0.0	0.000	A

17:15 - 17:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	473	896	0.529	472	479	2.1	1.1	8.543	A
			2	1, 4, 5	178	854	0.209	180	184	0.2	0.3	5.146	A
		2	1	(1, 2, 3, 4, 5)	651			651	660	0.0	0.0	0.000	A
	Exit	1	1		740			740	763	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	1080			1080	1133	0.0	0.0	0.000	A
			2	3, 4, 5	501			501	511	0.0	0.0	0.000	A
	CircBase	1	1	2	341			341	370	0.0	0.0	0.000	A
			2	3, 4, 5	501			501	511	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	101	918	0.110	101	107	0.2	0.1	4.146	A
			2	1, 2, 4, 5	187	885	0.212	190	205	0.4	0.3	5.500	A
		2	1	(1, 2, 3, 4, 5)	288			288	311	0.0	0.0	0.000	A
	Exit	1	1		367			367	397	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1303			1303	1348	0.0	0.0	0.000	A
			2	1, 4, 5	191			191	195	0.0	0.0	0.000	A
	CircBase	1	1	3	936			936	951	0.0	0.0	0.000	A
			2	1, 4, 5	191			191	195	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	305	939	0.326	314	328	0.9	0.2	5.911	A
			2	1, 2, 3	498	950	0.524	496	503	2.2	1.0	7.499	A
		2	1	(1, 2, 3, 4, 5)	804			804	823	0.0	0.0	0.000	A
	Exit	1	1		1038			1038	1057	0.0	0.0	0.000	A
	CircLink	1	1	3	1038			1038	1057	0.0	0.0	0.000	A
			2	1, 2, 4, 5	381			381	400	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	351			351	368	0.0	0.0	0.000	A
			2	1, 2	30			30	32	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	24	513	0.048	25	31	0.1	0.1	7.398	A
			2	1, 2, 3	385	536	0.717	385	424	2.7	1.9	17.750	C
	Exit	1	1		254			254	261	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	665			665	696	0.0	0.0	0.000	A
			2	1, 2, 3	526			526	535	0.0	0.0	0.000	A
	CircBase	1	1	5	411			411	434	0.0	0.0	0.000	A
			2	1, 2, 3	526			526	535	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	407			410	451	11.8	3.7	47.987	E
5 - A1079 (W)	Entry	1	1	1, 2	272	676	0.403	272	289	1.1	0.6	8.594	A
			2	3, 4, 5	398	694	0.575	398	396	2.0	1.9	13.306	B
	CircBase	1	1	1, 2	808			808	844	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	670			670	683	0.0	0.0	0.000	A
	Exit	1	1		436			436	465	0.0	0.0	0.000	A
	CircLink	1	1	5	436			436	465	0.0	0.0	0.000	A
			2	1, 2, 3, 4	911			911	959	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	103			103	115	0.0	0.0	0.000	A

17:30 - 17:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	2, 3	387	945	0.409	389	410	1.1	0.6	6.528	A
			2	1, 4, 5	144	918	0.157	146	162	0.3	0.1	4.708	A
		2	1	(1, 2, 3, 4, 5)	531			531	568	0.0	0.0	0.000	A
	Exit	1	1		594			594	626	0.0	0.0	0.000	A
	CircLink	1	1	1, 2	869			869	914	0.0	0.0	0.000	A
			2	3, 4, 5	397			397	418	0.0	0.0	0.000	A
	CircBase	1	1	2	274			274	288	0.0	0.0	0.000	A
			2	3, 4, 5	397			397	418	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	3	96	992	0.096	96	97	0.1	0.0	3.991	A
			2	1, 2, 4, 5	164	968	0.169	163	170	0.3	0.2	4.724	A
		2	1	(1, 2, 3, 4, 5)	260			260	265	0.0	0.0	0.000	A
	Exit	1	1		306			306	317	0.0	0.0	0.000	A
	CircLink	1	1	2, 3	1052			1052	1107	0.0	0.0	0.000	A
			2	1, 4, 5	155			155	171	0.0	0.0	0.000	A
	CircBase	1	1	3	747			747	789	0.0	0.0	0.000	A
			2	1, 4, 5	155			155	171	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4, 5	253	950	0.267	257	266	0.2	0.1	4.996	A
			2	1, 2, 3	384	973	0.395	390	403	1.0	0.5	6.118	A
		2	1	(1, 2, 3, 4, 5)	638			638	666	0.0	0.0	0.000	A
	Exit	1	1		843			843	886	0.0	0.0	0.000	A
	CircLink	1	1	3	843			843	886	0.0	0.0	0.000	A
			2	1, 2, 4, 5	318			318	340	0.0	0.0	0.000	A
	CircBase	1	1	4, 5	289			289	312	0.0	0.0	0.000	A
			2	1, 2	28			28	28	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	5	20	535	0.038	21	22	0.1	0.0	6.553	A
			2	1, 2, 3	302	583	0.518	298	348	1.9	1.1	13.042	B
	Exit	1	1		210			210	222	0.0	0.0	0.000	A
	CircLink	1	1	4, 5	546			546	579	0.0	0.0	0.000	A
			2	1, 2, 3	418			418	431	0.0	0.0	0.000	A
	CircBase	1	1	5	336			336	356	0.0	0.0	0.000	A
			2	1, 2, 3	418			418	431	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	326			322	366	3.7	0.5	8.429	A
5 - A1079 (W)	Entry	1	1	1, 2	228	737	0.311	228	229	0.6	0.4	7.442	A
			2	3, 4, 5	319	742	0.430	321	324	1.9	0.7	9.074	A
	CircBase	1	1	1, 2	640			640	685	0.0	0.0	0.000	A
	Entry	2	1	(1, 2, 3, 4, 5)	547			547	548	0.0	0.0	0.000	A
	Exit	1	1		357			357	378	0.0	0.0	0.000	A
	CircLink	1	1	5	357			357	378	0.0	0.0	0.000	A
			2	1, 2, 3, 4	716			716	779	0.0	0.0	0.000	A
	CircBase	1	2	3, 4	76			76	93	0.0	0.0	0.000	A

Lanes: Queue Variation Results for each time segment

16:15 - 16:30

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	0.72	0.00	0.00	1.53	7.75
			2	0.14	0.00	0.00	0.14	1.90
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.04	0.00	0.00	0.00	1.00
			2	0.29	0.00	0.00	0.75	2.94
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.47	0.00	0.00	1.94	1.94
			2	0.66	0.00	0.00	1.63	2.97
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.00	0.00	0.00	0.00	0.00
			2	1.25	0.00	0.49	2.97	2.97
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.40	0.00	0.00	1.28	4.94
5 - A1079 (W)	Entry	1	1	0.38	0.00	0.00	1.86	1.86
			2	0.88	0.00	0.00	2.18	5.69
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

16:30 - 16:45

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	0.94	0.00	0.24	2.93	2.93
			2	0.25	0.00	0.00	0.63	2.91
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.18	0.00	0.00	0.29	1.95
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.36	0.00	0.00	0.74	2.94
			2	0.88	0.00	-0.10	2.97	2.97
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.03	0.00	0.00	0.00	0.94
			2	1.58	0.00	0.74	2.97	2.97
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	1.90	0.00	0.00	6.13	11.86
5 - A1079 (W)	Entry	1	1	0.39	0.00	0.00	0.77	1.91
			2	1.32	0.00	0.09	4.70	4.70
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

16:45 - 17:00

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	2.34	0.00	0.73	6.13	10.70
			2	0.25	0.00	0.00	0.28	3.80
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.30	0.00	0.00	0.72	2.00
			2	0.51	0.00	0.00	1.13	2.95
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.61	0.00	-0.06	1.95	1.95
			2	1.28	0.00	0.19	3.60	5.92
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.14	0.00	0.00	0.14	1.87
			2	2.72	0.45	2.98	2.98	2.98
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	7.94	0.00	6.18	18.09	26.69
5 - A1079 (W)	Entry	1	1	1.04	0.00	0.34	2.29	3.76
			2	2.41	0.00	1.55	5.06	6.69
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

17:00 - 17:15

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	2.07	0.00	0.63	5.33	9.81
			2	0.17	0.00	0.00	0.93	0.93
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.19	0.00	0.00	1.00	1.00
			2	0.36	0.00	0.00	0.86	1.94
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.94	0.00	-0.06	2.57	4.85
			2	2.16	0.00	1.09	4.38	6.92
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.07	0.00	0.00	0.00	0.98
			2	2.76	0.45	2.98	2.98	2.98
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	11.90	0.00	7.19	29.55	40.65
5 - A1079 (W)	Entry	1	1	1.12	0.00	0.00	3.13	5.69
			2	2.09	0.00	1.20	3.73	12.44
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

17:15 - 17:30

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	1.19	0.00	0.30	2.75	4.87
			2	0.38	0.00	0.00	1.86	1.86
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.15	0.00	0.00	0.15	2.00
			2	0.29	0.00	0.00	0.80	1.93
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.25	0.00	0.00	1.94	1.94
			2	1.06	0.00	0.06	2.26	5.90
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.11	0.00	0.00	0.95	0.95
			2	1.88	0.00	2.98	2.98	2.98
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	3.75	0.00	0.00	9.02	40.65
5 - A1079 (W)	Entry	1	1	0.58	0.00	0.00	1.21	6.50
			2	1.94	0.00	0.78	3.96	13.36
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

17:30 - 17:45

Arm	Side	Lane level	Lane	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)
1 - A1035 (N)	Entry	1	1	0.58	0.00	0.00	1.53	2.91
			2	0.14	0.00	0.00	0.14	1.89
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
2 - A1174 (E)	Entry	1	1	0.04	0.00	0.00	0.00	1.00
			2	0.22	0.00	0.00	0.56	1.95
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
3 - A1079 (S)	Entry	1	1	0.07	0.00	0.00	0.00	0.96
			2	0.51	0.00	0.00	1.74	2.96
		2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
4 - Killingwoldgraves Lane	Entry	1	1	0.00	0.00	0.00	0.00	0.00
			2	1.14	0.00	0.30	2.99	2.99
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.51	0.00	0.00	0.64	5.94
5 - A1079 (W)	Entry	1	1	0.42	0.00	0.00	0.85	2.84
			2	0.78	0.00	0.00	2.19	3.82
	CircBase	1	1	0.00	0.00	0.00	0.00	0.00
	Entry	2	1	0.00	0.00	0.00	0.00	0.00
	Exit	1	1	0.00	0.00	0.00	0.00	0.00
	CircLink	1	1	0.00	0.00	0.00	0.00	0.00
			2	0.00	0.00	0.00	0.00	0.00
	CircBase	1	2	0.00	0.00	0.00	0.00	0.00

Lane movements: Main Results for each time segment

16:15 - 16:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	26	7	1184	964	0.027	24	24	0.0	0.2	6.219	A
				3	369	92	1184	930	0.396	376	384	0.0	0.5	6.916	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	86	22	1184	952	0.091	88	98	0.0	0.1	4.551	A
				5	50	13	1184	845	0.058	51	59	0.0	0.0	5.175	A
	CircLink	1	1	1	107	27	-	-	-	107	109	0.0	0.0	0.000	A
				2	137	34	-	-	-	137	140	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	297	74	-	-	-	297	313	0.0	0.0	0.000	A
				4	9	2	-	-	-	9	7	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	137	34	-	-	-	137	140	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	297	74	-	-	-	297	313	0.0	0.0	0.000	A
				4	9	2	-	-	-	9	7	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	26	7	-	-	-	26	24	0.0	0.0	0.000	A
				3	369	92	-	-	-	369	386	0.0	0.0	0.000	A
				4	86	22	-	-	-	86	98	0.0	0.0	0.000	A
				5	50	13	-	-	-	50	59	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	88	22	1289	986	0.089	88	84	0.0	0.0	4.021	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	29	7	1289	987	0.030	29	27	0.0	0.1	4.225	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	42	10	1289	982	0.043	42	38	0.0	0.0	4.472	A
				5	107	27	1289	953	0.113	110	109	0.0	0.1	4.609	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	24	6	-	-	-	24	24	0.0	0.0	0.000	A
				3	376	94	-	-	-	376	384	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	88	22	-	-	-	88	98	0.0	0.0	0.000	A
				5	51	13	-	-	-	51	59	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	297	74	-	-	-	297	313	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	9	2	-	-	-	9	7	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	29	7	-	-	-	29	28	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	88	22	-	-	-	88	84	0.0	0.0	0.000	A
				4	42	10	-	-	-	42	38	0.0	0.0	0.000	A
				5	107	27	-	-	-	107	110	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	80	20	1076	984	0.081	80	80	0.0	0.1	5.590	A
				5	176	44	1076	938	0.189	175	192	0.0	0.3	5.144	A
			2	1	297	74	1076	977	0.304	304	306	0.0	0.5	6.221	A
				2	103	26	1076	962	0.107	104	99	0.0	0.1	5.919	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	297	74	-	-	-	297	308	0.0	0.0	0.000	A
				2	103	26	-	-	-	103	99	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	80	20	-	-	-	80	80	0.0	0.0	0.000	A
				5	176	44	-	-	-	176	193	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	88	22	-	-	-	88	84	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	29	7	-	-	-	29	27	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	42	10	-	-	-	42	38	0.0	0.0	0.000	A
				5	110	28	-	-	-	110	109	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	9	2	-	-	-	9	7	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	29	7	-	-	-	29	27	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	28	7	769	553	0.049	30	23	0.0	0.0	6.650	A
			2	1	184	46	769	576	0.319	181	179	0.0	0.6	12.292	B
				2	58	15	769	582	0.100	57	62	0.0	0.2	11.743	B
				3	90	22	769	575	0.156	88	85	0.0	0.4	11.805	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	80	20	-	-	-	80	80	0.0	0.0	0.000	A
				5	175	44	-	-	-	175	192	0.0	0.0	0.000	A
			2	1	304	76	-	-	-	304	306	0.0	0.0	0.000	A
				2	104	26	-	-	-	104	99	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	304	76	-	-	-	304	306	0.0	0.0	0.000	A
				2	104	26	-	-	-	104	99	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	185	46	-	-	-	184	182	0.0	0.2	3.141	A
				2	57	14	-	-	-	58	62	0.0	0.0	3.628	A
				3	91	23	-	-	-	90	87	0.0	0.2	3.398	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	27	7	-	-	-	28	23	0.0	0.0	3.005	A
	Entry	1	1	1	107	27	1070	695	0.153	107	109	0.0	0.2	7.352	A
				2	136	34	1070	732	0.186	137	140	0.0	0.2	7.181	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	299	75	1070	726	0.412	297	313	0.0	0.8	8.702	A
				4	8	2	1030	733	0.012	9	7	0.0	0.0	7.662	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	30	7	-	-	-	30	23	0.0	0.0	0.000	A
			2	1	181	45	-	-	-	181	179	0.0	0.0	0.000	A
				2	57	14	-	-	-	57	62	0.0	0.0	0.000	A
5 - A1079 (W)				3	88	22	-	-	-	88	85	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	181	45	-	-	-	181	179	0.0	0.0	0.000	A
				2	57	14	-	-	-	57	62	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	88	22	-	-	-	88	85	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	Entry	2	1	1	107	27	-	-	-	107	109	0.0	0.0	0.000	A
				2	136	34	-	-	-	136	141	0.0	0.0	0.000	A
				3	299	75	-	-	-	299	317	0.0	0.0	0.000	A
				4	8	2	-	-	-	8	7	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

16:30 - 16:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	25	6	1184	930	0.027	26	26	0.7	0.0	8.328	A
				3	417	104	1184	901	0.463	418	443	0.7	1.0	8.233	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	111	28	1184	924	0.120	111	116	0.1	0.1	5.435	A
				5	58	14	1184	850	0.069	58	67	0.1	0.1	5.652	A
	CircLink	1	1	1	115	29	-	-	-	115	120	0.0	0.0	0.000	A
				2	168	42	-	-	-	168	169	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	343	86	-	-	-	343	380	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	12	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	168	42	-	-	-	168	169	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	343	86	-	-	-	343	380	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	12	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	25	6	-	-	-	25	25	0.0	0.0	0.000	A
				3	417	104	-	-	-	417	444	0.0	0.0	0.000	A
				4	111	28	-	-	-	111	116	0.0	0.0	0.000	A
				5	58	14	-	-	-	58	67	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	109	27	1289	941	0.116	112	115	0.0	0.0	4.071	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	28	7	1289	937	0.030	29	30	0.2	0.0	4.578	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	48	12	1289	940	0.052	49	46	0.0	0.0	4.553	A
				5	120	30	1289	900	0.132	121	132	0.2	0.1	5.358	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	26	7	-	-	-	26	26	0.0	0.0	0.000	A
				3	418	104	-	-	-	418	443	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	111	28	-	-	-	111	116	0.0	0.0	0.000	A
				5	58	15	-	-	-	58	67	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	343	86	-	-	-	343	380	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	12	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	28	7	-	-	-	28	30	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	109	27	-	-	-	109	115	0.0	0.0	0.000	A
				4	48	12	-	-	-	48	46	0.0	0.0	0.000	A
				5	120	30	-	-	-	120	132	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	97	24	1076	970	0.100	98	89	0.4	0.1	6.077	A
				5	224	56	1076	939	0.238	229	237	0.4	0.2	6.049	A
			2	1	371	93	1076	960	0.385	372	383	0.7	0.6	7.819	A
				2	122	31	1076	954	0.128	124	125	0.7	0.3	8.248	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	371	93	-	-	-	371	384	0.0	0.0	0.010	A
				2	122	31	-	-	-	122	125	0.0	0.0	0.025	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	97	24	-	-	-	97	89	0.0	0.0	0.037	A
				5	224	56	-	-	-	224	237	0.0	0.0	0.004	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	112	28	-	-	-	112	115	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	29	7	-	-	-	29	30	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	49	12	-	-	-	49	46	0.0	0.0	0.000	A
				5	121	30	-	-	-	121	132	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	11	3	-	-	-	11	12	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	29	7	-	-	-	29	30	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	19	5	769	511	0.037	20	22	0.0	0.0	6.220	A
			2	1	215	54	769	542	0.396	210	209	1.2	1.1	14.473	B
				2	73	18	769	543	0.135	78	76	1.2	0.2	14.610	B
				3	102	25	769	539	0.189	106	101	1.2	0.2	15.169	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	98	24	-	-	-	98	89	0.0	0.0	0.000	A
				5	229	57	-	-	-	229	237	0.0	0.0	0.000	A
			2	1	372	93	-	-	-	372	383	0.0	0.0	0.000	A
				2	124	31	-	-	-	124	125	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	372	93	-	-	-	372	383	0.0	0.0	0.000	A
				2	124	31	-	-	-	124	125	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	218	54	-	-	-	215	212	0.4	1.1	9.299	A
				2	74	19	-	-	-	73	76	0.4	0.2	9.784	A
				3	105	26	-	-	-	102	100	0.4	0.6	8.525	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	19	5	-	-	-	19	22	0.0	0.1	6.427	A
	Entry	1	1	1	112	28	1070	682	0.165	115	120	0.4	0.2	8.391	A
				2	164	41	1070	702	0.233	168	169	0.4	0.2	8.459	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	344	86	1070	683	0.503	343	380	0.8	1.3	11.252	B
				4	12	3	1030	699	0.017	11	12	0.0	0.1	10.900	B
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	20	5	-	-	-	20	22	0.0	0.0	0.000	A
			2	1	210	53	-	-	-	210	209	0.0	0.0	0.000	A
				2	78	19	-	-	-	78	76	0.0	0.0	0.000	A
5 - A1079 (W)				3	106	27	-	-	-	106	101	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	210	53	-	-	-	210	209	0.0	0.0	0.000	A
				2	78	19	-	-	-	78	76	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	106	27	-	-	-	106	101	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	Entry	2	1	1	112	28	-	-	-	112	120	0.0	0.0	0.000	A
				2	164	41	-	-	-	164	169	0.0	0.0	0.000	A
				3	344	86	-	-	-	344	381	0.0	0.0	0.000	A
				4	12	3	-	-	-	12	12	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

16:45 - 17:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	33	8	1184	880	0.038	32	32	0.0	0.2	13.880	B
				3	529	132	1184	850	0.623	532	544	1.0	2.1	13.299	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	139	35	1184	864	0.161	142	133	0.2	0.1	5.859	A
				5	74	19	1184	763	0.097	74	82	0.2	0.1	6.539	A
	CircLink	1	1	1	137	34	-	-	-	137	145	0.0	0.0	0.000	A
				2	180	45	-	-	-	180	198	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	445	111	-	-	-	445	456	0.0	0.0	0.000	A
				4	14	4	-	-	-	14	14	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	180	45	-	-	-	180	198	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	445	111	-	-	-	445	456	0.0	0.0	0.000	A
				4	14	4	-	-	-	14	14	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	33	8	-	-	-	33	33	0.0	0.0	0.000	A
				3	529	132	-	-	-	529	549	0.0	0.0	0.000	A
				4	139	35	-	-	-	139	133	0.0	0.0	0.000	A
				5	74	19	-	-	-	74	82	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	142	36	1289	858	0.166	140	139	0.0	0.3	4.927	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	43	11	1289	858	0.050	43	39	0.2	0.1	6.246	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	59	15	1289	858	0.068	58	52	0.0	0.1	5.866	A
				5	145	36	1289	826	0.175	143	154	0.2	0.3	6.141	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	32	8	-	-	-	32	32	0.0	0.0	0.000	A
				3	532	133	-	-	-	532	544	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	142	36	-	-	-	142	133	0.0	0.0	0.000	A
				5	74	19	-	-	-	74	82	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	445	111	-	-	-	445	456	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	14	4	-	-	-	14	14	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	43	11	-	-	-	43	39	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	142	36	-	-	-	142	141	0.0	0.0	0.000	A
				4	59	15	-	-	-	59	53	0.0	0.0	0.000	A
				5	145	36	-	-	-	145	155	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	92	23	1076	942	0.098	92	107	0.4	0.2	6.750	A
				5	292	73	1076	914	0.320	293	282	0.4	0.4	6.931	A
			2	1	430	108	1076	928	0.464	436	443	0.9	1.1	8.845	A
				2	141	35	1076	933	0.151	144	138	0.9	0.2	9.347	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	430	108	-	-	-	430	445	0.0	0.0	0.009	A
				2	141	35	-	-	-	141	138	0.0	0.0	0.025	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	92	23	-	-	-	92	107	0.0	0.0	0.004	A
				5	292	73	-	-	-	292	283	0.0	0.0	0.001	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	140	35	-	-	-	140	139	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	43	11	-	-	-	43	39	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	58	15	-	-	-	58	52	0.0	0.0	0.000	A
				5	143	36	-	-	-	143	154	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	14	4	-	-	-	14	14	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	43	11	-	-	-	43	39	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	27	7	769	462	0.059	26	27	0.0	0.1	7.811	A
			2	1	264	66	769	490	0.538	260	245	1.6	1.7	18.521	C
				2	97	24	769	491	0.198	98	87	1.6	0.3	18.337	C
				3	107	27	769	493	0.217	107	115	1.6	0.7	18.076	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	92	23	-	-	-	92	107	0.0	0.0	0.000	A
				5	293	73	-	-	-	293	282	0.0	0.0	0.000	A
			2	1	436	109	-	-	-	436	443	0.0	0.0	0.000	A
				2	144	36	-	-	-	144	138	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	436	109	-	-	-	436	443	0.0	0.0	0.000	A
				2	144	36	-	-	-	144	138	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	273	68	-	-	-	264	247	1.9	4.3	37.252	E
				2	101	25	-	-	-	97	87	1.9	1.4	36.588	E
				3	113	28	-	-	-	107	117	1.9	1.6	33.162	D
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	32	8	-	-	-	27	27	1.9	0.7	39.773	E
5 - A1079 (W)	Entry	1	1	1	138	35	1070	636	0.216	137	145	0.4	0.4	10.829	B
				2	175	44	1070	653	0.270	180	198	0.4	0.7	11.012	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	438	110	1070	651	0.674	445	456	1.4	2.5	16.789	C
				4	13	3	1070	683	0.020	14	14	1.4	0.0	14.247	B
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	26	7	-	-	-	26	27	0.0	0.0	0.000	A
			2	1	260	65	-	-	-	260	245	0.0	0.0	0.000	A
				2	98	25	-	-	-	98	87	0.0	0.0	0.000	A
				3	107	27	-	-	-	107	115	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	260	65	-	-	-	260	245	0.0	0.0	0.000	A
				2	98	25	-	-	-	98	87	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	107	27	-	-	-	107	115	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	Entry	2	1	1	138	35	-	-	-	138	146	0.0	0.0	0.100	A
				2	174	44	-	-	-	175	200	0.0	0.0	0.212	A
				3	438	110	-	-	-	438	460	0.0	0.0	0.107	A
				4	13	3	-	-	-	13	13	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

17:00 - 17:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	32	8	1184	861	0.037	33	36	2.3	0.1	13.509	B
				3	522	130	1184	846	0.616	526	543	2.3	2.0	11.953	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	136	34	1184	834	0.163	141	138	0.2	0.1	6.095	A
				5	77	19	1184	748	0.102	78	83	0.2	0.1	7.033	A
	CircLink	1	1	1	139	35	-	-	-	139	146	0.0	0.0	0.000	A
				2	206	51	-	-	-	206	204	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	449	112	-	-	-	449	455	0.0	0.0	0.000	A
				4	16	4	-	-	-	16	15	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	206	51	-	-	-	206	204	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	449	112	-	-	-	449	455	0.0	0.0	0.000	A
				4	16	4	-	-	-	16	15	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	32	8	-	-	-	32	36	0.0	0.0	0.000	A
				3	522	130	-	-	-	522	543	0.0	0.0	0.000	A
				4	136	34	-	-	-	136	138	0.0	0.0	0.000	A
				5	77	19	-	-	-	77	83	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	145	36	1289	854	0.170	145	136	0.3	0.2	4.925	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	33	8	1289	850	0.039	33	37	0.5	0.1	5.658	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	58	14	1289	856	0.068	58	54	0.5	0.1	6.214	A
				5	153	38	1289	805	0.190	153	159	0.5	0.2	6.335	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	33	8	-	-	-	33	36	0.0	0.0	0.000	A
				3	526	132	-	-	-	526	543	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	141	35	-	-	-	141	138	0.0	0.0	0.000	A
				5	78	20	-	-	-	78	83	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	449	112	-	-	-	449	455	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	16	4	-	-	-	16	15	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	33	8	-	-	-	33	37	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	145	36	-	-	-	145	136	0.0	0.0	0.000	A
				4	58	14	-	-	-	58	54	0.0	0.0	0.000	A
				5	153	38	-	-	-	153	158	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	118	29	1076	938	0.126	120	112	0.6	0.1	7.085	A
				5	275	69	1076	899	0.305	269	290	0.6	0.8	6.934	A
			2	1	442	111	1076	928	0.476	432	452	1.3	1.9	9.772	A
				2	151	38	1076	924	0.163	151	147	1.3	0.3	9.819	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	442	111	-	-	-	442	455	0.0	0.0	0.020	A
				2	151	38	-	-	-	151	148	0.0	0.0	0.007	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	118	29	-	-	-	118	111	0.0	0.0	0.011	A
				5	275	69	-	-	-	275	291	0.0	0.0	0.033	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	145	36	-	-	-	145	136	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	33	8	-	-	-	33	37	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	58	14	-	-	-	58	54	0.0	0.0	0.000	A
				5	153	38	-	-	-	153	159	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	16	4	-	-	-	16	15	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	33	8	-	-	-	33	37	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	23	6	740	467	0.049	23	28	0.1	0.1	8.206	A
			2	1	239	60	769	495	0.484	244	255	2.7	1.3	20.826	C
				2	88	22	769	497	0.177	84	87	2.7	0.7	21.153	C
				3	118	29	769	491	0.240	118	122	2.7	0.8	21.066	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	120	30	-	-	-	120	112	0.0	0.0	0.000	A
				5	269	67	-	-	-	269	290	0.0	0.0	0.000	A
			2	1	432	108	-	-	-	432	452	0.0	0.0	0.000	A
				2	151	38	-	-	-	151	147	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	432	108	-	-	-	432	452	0.0	0.0	0.000	A
				2	151	38	-	-	-	151	147	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	244	61	-	-	-	239	253	8.0	6.1	77.024	F
				2	83	21	-	-	-	88	89	8.0	1.7	76.089	F
				3	125	31	-	-	-	118	122	8.0	3.3	81.088	F
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	25	6	-	-	-	23	28	8.0	0.7	76.618	F
5 - A1079 (W)	Entry	1	1	1	137	34	1070	650	0.211	139	146	1.1	0.3	11.887	B
				2	211	53	1070	657	0.322	206	204	1.1	0.7	11.738	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	443	111	1070	660	0.672	449	455	2.5	2.0	18.188	C
				4	16	4	1030	657	0.024	16	15	0.0	0.0	17.572	C
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	23	6	-	-	-	23	28	0.0	0.0	0.000	A
			2	1	244	61	-	-	-	244	255	0.0	0.0	0.000	A
				2	84	21	-	-	-	84	87	0.0	0.0	0.000	A
				3	118	29	-	-	-	118	122	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	244	61	-	-	-	244	255	0.0	0.0	0.000	A
				2	84	21	-	-	-	84	87	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	118	29	-	-	-	118	122	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	Entry	2	1	1	137	34	-	-	-	137	145	0.0	0.0	0.000	A
				2	211	53	-	-	-	211	204	0.0	0.0	0.000	A
				3	443	111	-	-	-	443	454	0.0	0.0	0.002	A
				4	16	4	-	-	-	16	15	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

17:15 - 17:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	25	6	1184	916	0.027	26	28	2.1	0.0	7.666	A
				3	448	112	1184	892	0.503	447	451	2.1	1.1	8.598	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	115	29	1184	906	0.127	115	113	0.2	0.3	4.912	A
				5	64	16	1184	772	0.082	65	71	0.2	0.1	5.569	A
	CircLink	1	1	1	116	29	-	-	-	116	126	0.0	0.0	0.000	A
				2	156	39	-	-	-	156	163	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	387	97	-	-	-	387	385	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	11	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	156	39	-	-	-	156	163	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	387	97	-	-	-	387	385	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	11	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	25	6	-	-	-	25	27	0.0	0.0	0.000	A
				3	448	112	-	-	-	448	448	0.0	0.0	0.000	A
				4	115	29	-	-	-	115	114	0.0	0.0	0.000	A
				5	64	16	-	-	-	64	71	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	101	25	1289	923	0.110	101	107	0.2	0.1	4.146	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	30	7	1289	921	0.032	30	32	0.4	0.0	4.452	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	38	9	1289	914	0.041	38	47	0.4	0.0	5.961	A
				5	120	30	1289	870	0.138	122	126	0.4	0.2	5.600	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	26	6	-	-	-	26	28	0.0	0.0	0.000	A
				3	447	112	-	-	-	447	451	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	115	29	-	-	-	115	113	0.0	0.0	0.000	A
				5	65	16	-	-	-	65	71	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	387	97	-	-	-	387	385	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	11	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	30	7	-	-	-	30	32	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	101	25	-	-	-	101	107	0.0	0.0	0.000	A
				4	38	9	-	-	-	38	46	0.0	0.0	0.000	A
				5	120	30	-	-	-	120	127	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	86	22	1076	968	0.089	90	91	0.9	0.0	5.902	A
				5	220	55	1076	930	0.236	224	237	0.9	0.2	5.914	A
			2	1	378	94	1076	947	0.399	375	376	2.2	0.7	7.507	A
				2	120	30	1076	961	0.125	121	126	2.2	0.3	7.477	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	378	94	-	-	-	378	372	0.0	0.0	0.000	A
				2	120	30	-	-	-	120	126	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	86	22	-	-	-	86	90	0.0	0.0	0.000	A
				5	220	55	-	-	-	220	234	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	101	25	-	-	-	101	107	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	30	8	-	-	-	30	32	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	38	10	-	-	-	38	47	0.0	0.0	0.000	A
				5	122	30	-	-	-	122	126	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	11	3	-	-	-	11	11	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	30	8	-	-	-	30	32	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	24	6	769	516	0.047	25	31	0.1	0.1	7.398	A
			2	1	222	55	769	533	0.416	218	229	2.7	1.3	17.388	C
				2	62	15	769	540	0.114	64	80	2.7	0.2	18.132	C
				3	101	25	769	544	0.186	103	115	2.7	0.3	18.219	C
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	90	22	-	-	-	90	91	0.0	0.0	0.000	A
				5	224	56	-	-	-	224	237	0.0	0.0	0.000	A
			2	1	375	94	-	-	-	375	376	0.0	0.0	0.000	A
				2	121	30	-	-	-	121	126	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	375	94	-	-	-	375	376	0.0	0.0	0.000	A
				2	121	30	-	-	-	121	126	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	222	55	-	-	-	222	230	11.8	2.1	48.863	E
				2	64	16	-	-	-	62	78	11.8	0.9	50.010	F
				3	98	24	-	-	-	101	113	11.8	0.7	47.288	E
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	23	6	-	-	-	24	31	11.8	0.1	38.194	E
5 - A1079 (W)	Entry	1	1	1	118	30	1070	667	0.177	116	126	1.1	0.3	8.596	A
				2	154	38	1070	678	0.227	156	163	1.1	0.3	8.593	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	386	96	1070	694	0.558	387	385	2.0	1.8	13.356	B
				4	12	3	991	663	0.018	11	11	2.0	0.1	11.672	B
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	25	6	-	-	-	25	31	0.0	0.0	0.000	A
			2	1	218	55	-	-	-	218	229	0.0	0.0	0.000	A
				2	64	16	-	-	-	64	80	0.0	0.0	0.000	A
				3	103	26	-	-	-	103	115	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	218	55	-	-	-	218	229	0.0	0.0	0.000	A
				2	64	16	-	-	-	64	80	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	103	26	-	-	-	103	115	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	Entry	2	1	1	118	30	-	-	-	118	125	0.0	0.0	0.000	A
				2	154	38	-	-	-	154	161	0.0	0.0	0.000	A
				3	386	96	-	-	-	386	384	0.0	0.0	0.000	A
				4	12	3	-	-	-	12	11	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

17:30 - 17:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1035 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	31	8	1184	963	0.032	31	29	1.1	0.1	6.125	A
				3	356	89	1184	942	0.377	358	381	1.1	0.5	6.559	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	95	24	1184	951	0.100	97	103	0.3	0.1	4.532	A
				5	49	12	1184	849	0.057	49	59	0.3	0.0	5.050	A
	CircLink	1	1	1	101	25	-	-	-	101	102	0.0	0.0	0.000	A
				2	128	32	-	-	-	128	127	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	313	78	-	-	-	313	315	0.0	0.0	0.000	A
				4	8	2	-	-	-	8	9	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	128	32	-	-	-	128	127	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	313	78	-	-	-	313	315	0.0	0.0	0.000	A
				4	8	2	-	-	-	8	9	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	31	8	-	-	-	31	29	0.0	0.0	0.000	A
				3	356	89	-	-	-	356	378	0.0	0.0	0.000	A
				4	95	24	-	-	-	95	102	0.0	0.0	0.000	A
				5	49	12	-	-	-	49	59	0.0	0.0	0.000	A
2 - A1174 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	96	24	1289	988	0.097	96	97	0.1	0.0	3.991	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	28	7	1289	990	0.028	28	28	0.0	0.0	4.693	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	32	8	1289	985	0.032	31	34	0.3	0.1	4.323	A
				5	104	26	1289	966	0.109	104	107	0.3	0.1	4.865	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	31	8	-	-	-	31	29	0.0	0.0	0.000	A
				3	358	90	-	-	-	358	381	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	97	24	-	-	-	97	103	0.0	0.0	0.000	A
				5	49	12	-	-	-	49	59	0.0	0.0	0.000	A
	CircBase	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	313	78	-	-	-	313	315	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	8	2	-	-	-	8	9	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2	1	1	28	7	-	-	-	28	28	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	96	24	-	-	-	96	96	0.0	0.0	0.000	A
				4	32	8	-	-	-	32	35	0.0	0.0	0.000	A
				5	104	26	-	-	-	104	107	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	71	18	1076	985	0.072	73	76	0.2	0.0	5.240	A
				5	182	46	1076	932	0.194	184	190	0.2	0.1	4.893	A
			2	1	299	75	1076	978	0.305	303	308	1.0	0.4	6.201	A
				2	86	21	1076	961	0.090	87	95	1.0	0.1	5.843	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	299	75	-	-	-	299	307	0.0	0.0	0.000	A
				2	86	21	-	-	-	86	94	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	71	18	-	-	-	71	76	0.0	0.0	0.000	A
				5	182	46	-	-	-	182	189	0.0	0.0	0.000	A
	CircLink	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	96	24	-	-	-	96	97	0.0	0.0	0.000	A

				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	28	7	-	-	-	28	28	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	31	8	-	-	-	31	34	0.0	0.0	0.000	A
				5	104	26	-	-	-	104	107	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	8	2	-	-	-	8	9	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	28	7	-	-	-	28	28	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	20	5	740	510	0.040	21	22	0.1	0.0	6.553	A
				1	163	41	769	579	0.281	161	188	1.9	0.7	13.010	B
				2	61	15	769	587	0.105	61	66	1.9	0.2	13.713	B
			2	3	77	19	769	583	0.133	76	93	1.9	0.3	12.628	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	73	18	-	-	-	73	76	0.0	0.0	0.000	A
				5	184	46	-	-	-	184	190	0.0	0.0	0.000	A
				1	303	76	-	-	-	303	308	0.0	0.0	0.000	A
				2	87	22	-	-	-	87	95	0.0	0.0	0.000	A
4 - Killingwoldgraves Lane			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	303	76	-	-	-	303	308	0.0	0.0	0.000	A
				2	87	22	-	-	-	87	95	0.0	0.0	0.000	A
			2	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	Entry	2		1	164	41	-	-	-	163	185	3.7	0.3	8.551	A
				2	62	15	-	-	-	61	66	3.7	0.0	8.899	A
			1	3	80	20	-	-	-	77	93	3.7	0.2	8.039	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	20	5	-	-	-	20	21	3.7	0.0	7.625	A
	Entry	1		1	101	25	1070	710	0.143	101	102	0.6	0.2	7.267	A
				2	127	32	1070	749	0.170	128	127	0.6	0.2	7.578	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	311	78	1070	741	0.420	313	315	1.9	0.7	9.065	A
				4	8	2	991	701	0.011	8	9	1.9	0.0	9.378	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircLink	1		1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	21	5	-	-	-	21	22	0.0	0.0	0.000	A
				1	161	40	-	-	-	161	188	0.0	0.0	0.000	A
				2	61	15	-	-	-	61	66	0.0	0.0	0.000	A
5 - A1079 (W)			2	3	76	19	-	-	-	76	93	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
	CircBase	1		1	161	40	-	-	-	161	188	0.0	0.0	0.000	A
				2	61	15	-	-	-	61	66	0.0	0.0	0.000	A
			1	3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	3	76	19	-	-	-	76	93	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
	Entry	2		1	101	25	-	-	-	101	102	0.0	0.0	0.000	A
				2	127	32	-	-	-	127	127	0.0	0.0	0.000	A
			1	3	311	78	-	-	-	311	311	0.0	0.0	0.000	A
				4	8	2	-	-	-	8	9	0.0	0.0	0.000	A
				5	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

Junctions 10

ARCADY 10 - Roundabout Module

Version: 10.1.1.1905
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Filename: J17 - Dunswell Roundabout.j10
Path: C:\Users\923337\Box\PC2340 RWE R4 EIA\PC2340 RWE R4 EIA Team\PC 2340 - WIP\E01 Reports\Transport\Calcs\Modelling
Report generation date: 02/01/2024 16:38:49

»Base 2026, AM
»Base 2026, PM
»Base 2026 + Committed Development, AM
»Base 2026 + Committed Development, PM
»Base 2026 + Committed Development + Isolation Scenario, AM
»Base 2026 + Committed Development + Isolation Scenario, PM
»Base 2026 + Committed Development + Concurrent Scenario, AM
»Base 2026 + Committed Development + Concurrent Scenario, PM
»2023 Survey, AM
»2023 Survey, PM

Summary of junction performance

	AM								PM							
	Set ID	Queue (Veh)	Delay (s)	RFC	LOS	Junction Delay (s)	Junction LOS	Network Residual Capacity	Set ID	Queue (Veh)	Delay (s)	RFC	LOS	Junction Delay (s)	Junction LOS	Network Residual Capacity
	[Lane Simulation] - Base 2026															
1 - A1174 (N)	D1	6.0	20.99		C	68.43	F	% [ ]	D2	18.0	65.25		F	81.83	F	% [ ]
2 - A1033 (E)		89.5	154.13		F					79.9	141.06		F			
3 - A1079 (S)		3.0	11.50		B					31.8	72.51		F			
4 - A1079 (W)		4.1	9.16		A					3.3	10.50		B			
	[Lane Simulation] - Base 2026 + Committed Development															
1 - A1174 (N)	D3	5.8	21.41		C	59.88	F	% [ ]	D4	30.6	94.84		F	84.68	F	% [ ]
2 - A1033 (E)		78.9	132.57		F					76.1	144.28		F			
3 - A1079 (S)		3.2	11.41		B					26.9	61.25		F			
4 - A1079 (W)		2.7	8.58		A					3.6	9.41		A			
	[Lane Simulation] - Base 2026 + Committed Development + Isolation Scenario															
1 - A1174 (N)	D5	7.3	30.04		D	104.81	F	% [ ]	D6	29.9	104.92		F	132.90	F	% [ ]
2 - A1033 (E)		123.3	237.76		F					131.1	256.66		F			
3 - A1079 (S)		3.4	11.57		B					34.7	86.65		F			
4 - A1079 (W)		3.5	9.97		A					5.2	13.08		B			
	[Lane Simulation] - Base 2026 + Committed Development + Concurrent Scenario															
1 - A1174 (N)	D7	8.4	29.89		D	157.33	F	% [ ]	D8	31.3	104.49		F	157.37	F	% [ ]
2 - A1033 (E)		179.5	368.91		F					149.0	325.52		F			
3 - A1079 (S)		3.3	12.66		B					38.2	85.99		F			
4 - A1079 (W)		4.0	11.05		B					7.3	14.16		B			
	[Lane Simulation] - 2023 Survey															
1 - A1174 (N)	D9	5.1	21.21		C	60.92	F	% [ ]	D10	12.8	53.33		F	61.86	F	% [ ]
2 - A1033 (E)		68.8	136.35		F					60.2	99.78		F			
3 - A1079 (S)		3.5	11.49		B					25.7	60.43		F			
4 - A1079 (W)		2.7	7.81		A					3.0	8.92		A			

There are warnings associated with one or more model runs - see the 'Data Errors and Warnings' tables for each Analysis or Demand Set.

Values shown are the highest values encountered over all time segments. Delay is the maximum value of average delay per arriving vehicle. Arm and junction delays are averages for all movements, including movements with zero delay. Network Residual Capacity indicates the amount by which network flow could be increased before a user-definable threshold (see Analysis Options) is met.

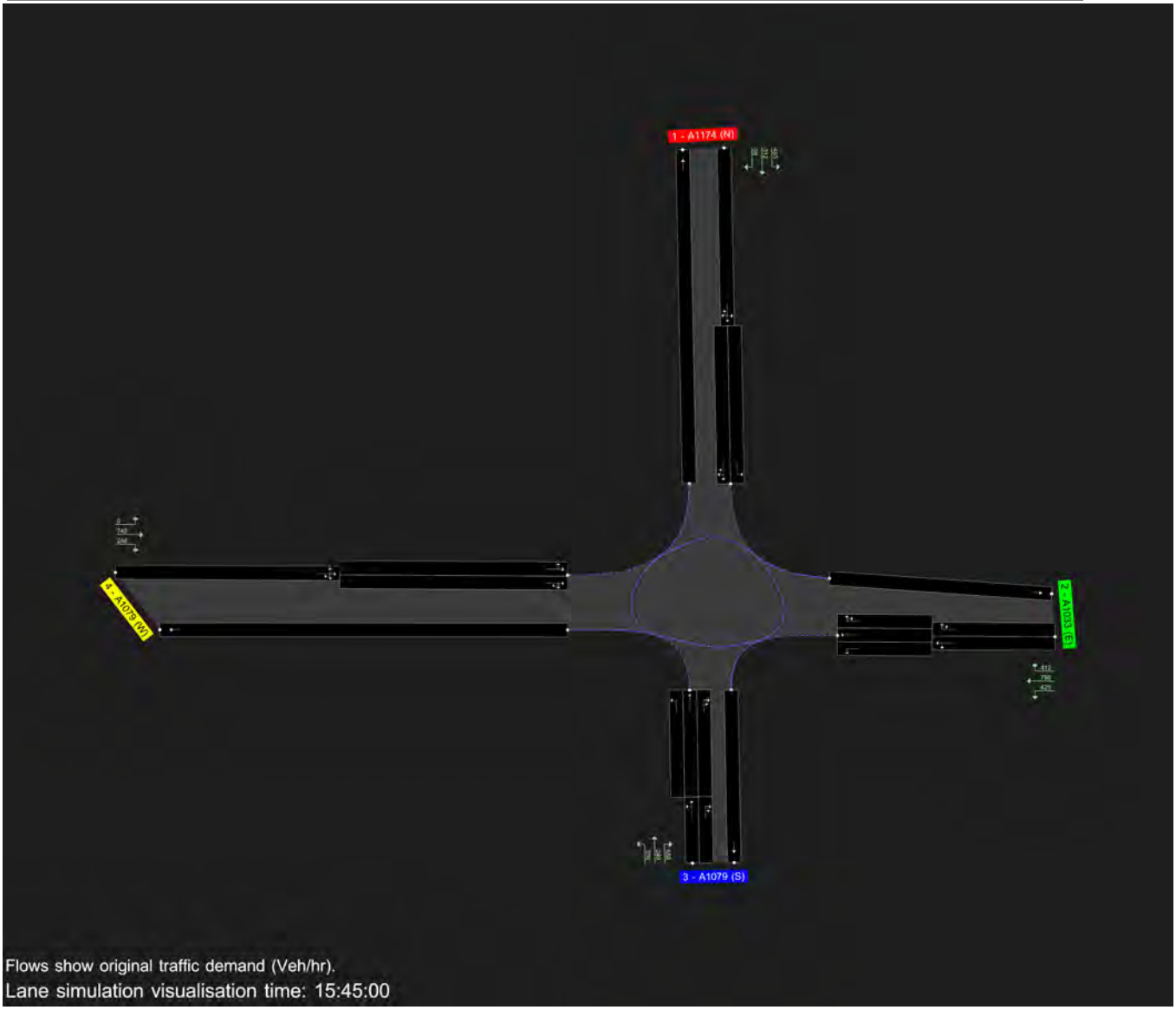
File summary

File Description

Title	J17 - Dunswell Roundabout
Location	Dunswell, Hull
Site number	J17
Date	24/11/2023
Version	P01
Status	Draft
Identifier	
Client	RWE
Jobnumber	PC2340
Enumerator	CORPORATEROOT\923337
Description	

Units

Distance units	Speed units	Traffic units input	Traffic units results	Flow units	Average delay units	Total delay units	Rate of delay units
m	kph	Veh	Veh	perHour	s	-Min	perMin



The junction diagram reflects the last run of Junctions.

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Show lane queues in feet / metres	Show all PICADY stream intercepts	Calculate residual capacity	Residual capacity criteria type	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)	Use simulation for HCM roundabouts	Use iterations for HCM roundabouts
5.75					✓	Delay	0.85	36.00	20.00		

Lane Simulation options

Criteria type	Stop criteria (%)	Stop criteria time (s)	Stop criteria number of trials	Calculate RFCs	Random seed	Results refresh speed (s)	Individual vehicle animation number of trials	Average animation capture interval (s)	Use quick response	Do flow sampling	Suppress automatic lane creation	Last run random seed	Last run number of trials	Last run time taken (s)
Delay	5.00	100000	100000	Do not calculate	-1	10	1	60	✓			413658095	23	6.15

Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	Base 2026	AM	ONE HOUR	07:15	08:45	15	✓
D2	Base 2026	PM	ONE HOUR	15:45	17:15	15	✓
D3	Base 2026 + Committed Development	AM	ONE HOUR	07:15	08:45	15	✓
D4	Base 2026 + Committed Development	PM	ONE HOUR	15:45	17:15	15	✓
D5	Base 2026 + Committed Development + Isolation Scenario	AM	ONE HOUR	07:15	08:45	15	✓
D6	Base 2026 + Committed Development + Isolation Scenario	PM	ONE HOUR	15:45	17:15	15	✓
D7	Base 2026 + Committed Development + Concurrent Scenario	AM	ONE HOUR	07:15	08:45	15	✓
D8	Base 2026 + Committed Development + Concurrent Scenario	PM	ONE HOUR	15:45	17:15	15	✓
D9	2023 Survey	AM	ONE HOUR	07:15	08:45	15	✓
D10	2023 Survey	PM	ONE HOUR	15:45	17:15	15	✓

Analysis Set Details

ID	Use Lane Simulation	Include in report	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	✓	✓	100.000	100.000

Base 2026, AM

Data Errors and Warnings

Severity	Area	Item	Description
Last Run	Simulation	2 - A1033 (E)	Arm 2: Queue at end of modelled period is greater than 10 PCU. Delay is likely to have been underestimated.
Warning	Geometry	4 - A1079 (W) - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Info	Simulation	A1 - [Lane Simulation]	This run uses Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	J17 - Dunswell Roundabout	Standard Roundabout		1, 2, 3, 4	68.43	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	68.43	F

Arms

Arms

Arm	Name	Description	No give-way line
1	A1174 (N)		
2	A1033 (E)		
3	A1079 (S)		
4	A1079 (W)		

Roundabout Geometry

Arm	V - Approach road half-width (m)	E - Entry width (m)	l' - Effective flare length (m)	R - Entry radius (m)	D - Inscribed circle diameter (m)	PHI - Conflict (entry) angle (deg)	Entry only	Exit only
1 - A1174 (N)	5.00	7.50	25.7	45.9	69.2	20.0		
2 - A1033 (E)	7.80	11.50	18.0	24.6	60.5	22.0		
3 - A1079 (S)	7.40	11.80	22.3	38.4	60.5	12.5		
4 - A1079 (W)	4.40	9.50	60.5	34.0	69.2	18.0		

Slope / Intercept / Capacity

Roundabout Slope and Intercept used in model

Arm	Final slope	Final intercept (PCU/hr)
1 - A1174 (N)	0.607	2223
2 - A1033 (E)	0.814	3152
3 - A1079 (S)	0.855	3317
4 - A1079 (W)	0.684	2708

The slope and intercept shown above include any corrections and adjustments.

Lane Simulation: Arm options

Arm	Lane capacity source	Traffic considering secondary lanes (%)
1 - A1174 (N)	Evenly split	10.00
2 - A1033 (E)	Evenly split	10.00
3 - A1079 (S)	Evenly split	10.00
4 - A1079 (W)	Evenly split	10.00

Lanes

Arm	Side	Lane level	Lane	Destination arms	Has limited storage	Storage (PCU)	Has bottleneck	Has obstruction	Minimum capacity (PCU/hr)	Maximum capacity (PCU/hr)	Signalised
1 - A1174 (N)	Entry	1	1	2	✓	10.00			0	99999	
			2	1, 3, 4	✓	10.00			0	99999	
		2	1	(1, 2, 3, 4)		Infinity					
	Exit	1	1			Infinity					
2 - A1033 (E)	Entry	1	1	3	✓	6.00			0	99999	
			2	4	✓	6.00			0	99999	
			3	1, 2	✓	6.00			0	99999	
		2	1	(3, 4)		Infinity					
			2	(1, 2)		Infinity					
	Exit	1	1			Infinity					
3 - A1079 (S)	Entry	1	1	4	✓	6.75			0	99999	
			2	1	✓	6.75			0	99999	
			3	2, 3	✓	6.75			0	99999	
		2	1	(1, 4)		Infinity					
			2	(2, 3)		Infinity					
	Exit	1	1			Infinity					
4 - A1079 (W)	Entry	1	1	1, 2	✓	14.40			0	99999	
			2	2, 3, 4	✓	14.40			0	99999	
		2	1	(1, 2, 3, 4)		Infinity					
	Exit	1	1			Infinity					

Entry Lane slope and intercept

Arm	Side	Lane level	Lane	Final slope	Final intercept (PCU/hr)
1 - A1174 (N)	Entry	1	1	0.303	1112
			2	0.303	1112
2 - A1033 (E)	Entry	1	1	0.271	1051
			2	0.271	1051
			3	0.271	1051
3 - A1079 (S)	Entry	1	1	0.285	1106
			2	0.285	1106
			3	0.285	1106
4 - A1079 (W)	Entry	1	1	0.342	1354
			2	0.342	1354

Summary of Entry Lane allowed movements

Arm	Lane Level	Lane	Destination arm			
			A1174 (N)	A1033 (E)	A1079 (S)	A1079 (W)
1 - A1174 (N)	1	1		✓		
		2	✓		✓	✓
	2	1	✓	✓	✓	✓
2 - A1033 (E)	1	1			✓	
		2				✓
		3	✓	✓		
	2	1			✓	✓
		2	✓	✓		
3 - A1079 (S)	1	1				✓
		2	✓			
		3		✓	✓	
	2	1	✓			✓
		2		✓	✓	
4 - A1079 (W)	1	1	✓	✓		
		2		✓	✓	✓
	2	1	✓	✓	✓	✓

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	Base 2026	AM	ONE HOUR	07:15	08:45	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1 - A1174 (N)		ONE HOUR	✓	787	100.000
2 - A1033 (E)		ONE HOUR	✓	1732	100.000
3 - A1079 (S)		ONE HOUR	✓	878	100.000
4 - A1079 (W)		ONE HOUR	✓	1034	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	391	349	47
	2 - A1033 (E)	506	1	439	786
	3 - A1079 (S)	231	344	0	303
	4 - A1079 (W)	15	667	352	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80

Heavy Vehicle %

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	3	4	4
	2 - A1033 (E)	3	0	3	5
	3 - A1079 (S)	4	5	0	5
	4 - A1079 (W)	7	3	3	0

Cyclist %

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	0	0	0
	2 - A1033 (E)	0	0	0	0
	3 - A1079 (S)	0	0	0	0
	4 - A1079 (W)	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
1 - A1174 (N)	20.99	6.0	C	731	1097
2 - A1033 (E)	154.13	89.5	F	1595	2393
3 - A1079 (S)	11.50	3.0	B	796	1194
4 - A1079 (W)	9.16	4.1	A	957	1435

Main Results for each time segment

07:15 - 07:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	590	147	1039	588	605	558	0.0	1.4	7.462	A
2 - A1033 (E)	1321	330	560	1324	1333	1067	0.0	4.4	10.122	B
3 - A1079 (S)	641	160	1021	648	686	862	0.0	0.8	6.955	A
4 - A1079 (W)	781	195	812	785	810	857	0.0	1.0	4.652	A

07:30 - 07:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	745	186	1236	741	741	678	1.4	2.5	11.557	B
2 - A1033 (E)	1531	383	723	1553	1591	1255	4.4	8.6	18.482	C
3 - A1079 (S)	814	203	1203	820	835	1072	0.8	1.9	8.342	A
4 - A1079 (W)	949	237	970	944	958	1052	1.0	2.0	5.622	A

07:45 - 08:00

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	886	222	1505	869	873	855	2.5	6.0	17.916	C
2 - A1033 (E)	1957	489	844	1755	1815	1530	8.6	56.8	69.548	F
3 - A1079 (S)	955	239	1378	950	1005	1221	1.9	2.7	11.225	B
4 - A1079 (W)	1172	293	1196	1163	1193	1132	2.0	4.0	9.153	A

08:00 - 08:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	868	217	1468	860	900	824	6.0	5.0	20.994	C
2 - A1033 (E)	1888	472	819	1728	1843	1509	56.8	89.3	152.091	F
3 - A1079 (S)	949	237	1384	947	996	1162	2.7	2.9	11.498	B
4 - A1079 (W)	1100	275	1174	1118	1187	1157	4.0	1.6	9.155	A

08:15 - 08:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	715	179	1226	708	741	656	5.0	2.0	11.685	B
2 - A1033 (E)	1551	388	694	1722	1762	1241	89.3	55.7	154.126	F
3 - A1079 (S)	790	198	1281	776	834	1134	2.9	2.9	8.370	A
4 - A1079 (W)	940	235	945	938	964	1112	1.6	1.3	6.464	A

08:30 - 08:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	577	144	1042	574	612	554	2.0	1.2	8.006	A
2 - A1033 (E)	1315	329	553	1365	1554	1065	55.7	11.0	55.060	F
3 - A1079 (S)	628	157	1054	631	686	863	2.9	1.2	7.417	A
4 - A1079 (W)	794	199	800	795	826	885	1.3	1.3	4.735	A

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

07:15 - 07:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	295	760	0.389	295	300	0.0	0.4	7.264	A
			2	1, 3, 4	295	748	0.397	293	305	0.0	1.0	7.658	A
		2	1	(1, 2, 3, 4)	590			590	612	0.0	0.0	0.000	A
	Exit	1	1		558			558	568	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	331	857	0.386	335	340	0.0	0.8	7.411	A
			2	4	611	843	0.727	610	613	0.0	2.4	11.580	B
			3	1, 2	381	860	0.443	378	380	0.0	0.9	6.850	A
		2	1	(3, 4)	940			943	967	0.0	0.3	1.322	A
			2	(1, 2)	381			381	383	0.0	0.0	0.082	A
	Exit	1	1		1067			1067	1091	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	215	756	0.286	214	236	0.0	0.3	6.360	A
			2	1	163	767	0.214	169	177	0.0	0.1	5.966	A
			3	2, 3	262	761	0.342	265	274	0.0	0.4	7.926	A
		2	1	(1, 4)	378			378	414	0.0	0.0	0.002	A
			2	(2, 3)	262			262	275	0.0	0.0	0.182	A
	Exit	1	1		862			862	888	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	306	1036	0.296	308	318	0.0	0.4	4.122	A
			2	2, 3, 4	474	1036	0.459	478	492	0.0	0.7	4.993	A
		2	1	(1, 2, 3, 4)	781			781	814	0.0	0.0	0.000	A
	Exit	1	1		857			857	887	0.0	0.0	0.000	A

07:30 - 07:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	371	703	0.528	367	359	0.4	1.6	11.169	B
			2	1, 3, 4	371	689	0.539	374	382	1.0	0.7	11.624	B
		2	1	(1, 2, 3, 4)	745			742	744	0.0	0.2	0.155	A
	Exit	1	1		678			678	701	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	395	829	0.479	400	408	0.8	1.0	8.670	A
			2	4	692	814	0.854	702	719	2.4	3.3	16.764	C
			3	1, 2	457	821	0.555	450	465	0.9	1.6	8.572	A
		2	1	(3, 4)	1074			1088	1131	0.3	2.6	8.663	A
			2	(1, 2)	459			457	468	0.0	0.2	0.149	A
	Exit	1	1		1255			1255	1297	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	296	717	0.415	300	288	0.3	0.6	8.685	A
			2	1	219	724	0.303	218	225	0.1	0.6	7.169	A
			3	2, 3	299	725	0.412	302	323	0.4	0.6	8.712	A
		2	1	(1, 4)	515			515	517	0.0	0.0	0.075	A
			2	(2, 3)	299			299	324	0.0	0.0	0.033	A
	Exit	1	1		1072			1072	1070	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	377	986	0.382	380	393	0.4	0.3	4.754	A
			2	2, 3, 4	572	982	0.583	564	565	0.7	1.6	6.219	A
		2	1	(1, 2, 3, 4)	949			949	961	0.0	0.0	0.000	A
	Exit	1	1		1052			1052	1057	0.0	0.0	0.000	A

07:45 - 08:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	421	622	0.677	415	433	1.6	2.6	14.886	B
			2	1, 3, 4	468	612	0.766	454	440	0.7	3.3	19.786	C
		2	1	(1, 2, 3, 4)	886			890	887	0.2	0.1	0.541	A
	Exit	1	1		855			855	867	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	432	794	0.543	427	434	1.0	1.8	11.347	B
			2	4	754	785	0.957	749	793	3.3	5.1	23.656	C
			3	1, 2	585	790	0.741	579	589	1.6	2.3	13.144	B
		2	1	(3, 4)	1370			1186	1237	2.6	47.3	73.075	F
			2	(1, 2)	587			585	592	0.2	0.2	1.796	A
	Exit	1	1		1530			1530	1601	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	332	661	0.505	333	346	0.6	0.8	10.398	B
			2	1	262	670	0.391	261	262	0.6	0.5	8.199	A
			3	2, 3	361	662	0.543	354	398	0.6	1.4	12.738	B
		2	1	(1, 4)	594			594	607	0.0	0.0	0.111	A
			2	(2, 3)	361			361	401	0.0	0.0	1.025	A
	Exit	1	1		1221			1221	1227	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	517	888	0.582	513	523	0.3	1.6	7.499	A
			2	2, 3, 4	655	908	0.725	652	670	1.6	2.4	10.444	B
		2	1	(1, 2, 3, 4)	1172			1172	1202	0.0	0.0	0.000	A
	Exit	1	1		1132			1132	1191	0.0	0.0	0.000	A

08:00 - 08:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	430	634	0.681	428	444	2.6	2.1	18.468	C
			2	1, 3, 4	437	621	0.707	433	455	3.3	2.9	21.371	C
		2	1	(1, 2, 3, 4)	868			868	896	0.1	0.0	1.071	A
	Exit	1	1		824			824	856	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	397	793	0.501	397	441	1.8	1.1	12.683	B
			2	4	782	779	1.001	783	825	5.1	5.3	24.091	C
			3	1, 2	556	789	0.705	548	577	2.3	2.6	13.865	B
		2	1	(3, 4)	1324			1178	1264	47.3	79.6	188.741	F
			2	(1, 2)	564			556	578	0.2	0.7	2.513	A
	Exit	1	1		1509			1509	1613	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	323	659	0.491	321	332	0.8	0.8	10.442	B
			2	1	257	664	0.387	260	263	0.5	0.7	8.785	A
			3	2, 3	370	661	0.557	367	402	1.4	1.4	13.108	B
		2	1	(1, 4)	579			581	595	0.0	0.0	0.110	A
			2	(2, 3)	370			370	402	0.0	0.0	0.891	A
	Exit	1	1		1162			1162	1245	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	485	915	0.530	491	524	1.6	0.6	7.870	A
			2	2, 3, 4	615	908	0.677	627	663	2.4	1.0	10.175	B
		2	1	(1, 2, 3, 4)	1100			1100	1177	0.0	0.0	0.000	A
	Exit	1	1		1157			1157	1212	0.0	0.0	0.000	A

08:15 - 08:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	351	706	0.498	346	354	2.1	1.0	10.342	B
			2	1, 3, 4	364	692	0.526	362	388	2.9	0.9	12.826	B
		2	1	(1, 2, 3, 4)	715			715	729	0.0	0.0	0.055	A
	Exit	1	1		656			656	703	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	477	833	0.572	482	458	1.1	1.2	11.909	B
			2	4	786	811	0.969	785	823	5.3	5.1	22.783	C
			3	1, 2	448	833	0.536	455	481	2.6	0.8	9.344	A
		2	1	(3, 4)	1103			1263	1281	79.6	48.5	195.479	F
			2	(1, 2)	448			448	473	0.7	0.0	0.418	A
	Exit	1	1		1241			1241	1309	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	291	699	0.416	286	293	0.8	0.9	8.268	A
			2	1	194	700	0.277	189	210	0.7	0.7	7.017	A
			3	2, 3	307	690	0.446	302	331	1.4	1.3	9.279	A
		2	1	(1, 4)	483			483	503	0.0	0.0	0.005	A
			2	(2, 3)	307			307	331	0.0	0.0	0.038	A
	Exit	1	1		1134			1134	1126	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	376	996	0.381	375	392	0.6	0.5	5.718	A
			2	2, 3, 4	564	998	0.569	562	572	1.0	0.9	6.974	A
		2	1	(1, 2, 3, 4)	940			940	964	0.0	0.0	0.000	A
	Exit	1	1		1112			1112	1163	0.0	0.0	0.000	A

08:30 - 08:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	301	758	0.396	301	309	1.0	0.6	8.258	A
			2	1, 3, 4	276	749	0.369	274	303	0.9	0.7	7.748	A
		2	1	(1, 2, 3, 4)	577			577	609	0.0	0.0	0.000	A
	Exit	1	1		554			554	591	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	360	876	0.413	347	406	1.2	1.3	9.546	A
			2	4	625	850	0.734	632	749	5.1	2.3	18.255	C
			3	1, 2	395	870	0.453	386	399	0.8	1.2	7.795	A
		2	1	(3, 4)	920			985	1143	48.5	6.2	60.208	F
			2	(1, 2)	395			395	401	0.0	0.0	0.204	A
	Exit	1	1		1065			1065	1106	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	219	756	0.289	216	236	0.9	0.5	6.679	A
			2	1	157	757	0.206	160	180	0.7	0.3	6.844	A
			3	2, 3	253	747	0.336	255	270	1.3	0.4	8.441	A
		2	1	(1, 4)	375			375	413	0.0	0.0	0.000	A
			2	(2, 3)	253			253	265	0.0	0.0	0.032	A
	Exit	1	1		863			863	959	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	320	1040	0.307	323	331	0.5	0.3	4.128	A
			2	2, 3, 4	474	1040	0.456	471	494	0.9	1.0	5.142	A
		2	1	(1, 2, 3, 4)	794			794	825	0.0	0.0	0.000	A
	Exit	1	1		885			885	1021	0.0	0.0	0.000	A

Lane movements: Main Results for each time segment

07:15 - 07:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	295	74	1112	758	0.390	295	300	0.0	0.4	7.264	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	262	65	1112	748	0.352	260	267	0.0	0.9	7.640	A
				4	33	8	1112	730	0.046	32	38	0.0	0.1	7.785	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	295	74	-	-	-	295	302	0.0	0.0	0.000	A
				3	262	65	-	-	-	262	271	0.0	0.0	0.000	A
				4	33	8	-	-	-	33	38	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	331	83	1051	856	0.386	335	340	0.0	0.8	7.411	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	611	153	1051	843	0.727	610	613	0.0	2.4	11.580	B
			3	1	380	95	1051	860	0.442	377	379	0.0	0.9	6.853	A
				2	1	0.26	183	156	0.007	1	0.70	0.0	0.0	5.675	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	330	82	-	-	-	331	343	0.0	0.1	1.226	A
				4	610	153	-	-	-	611	624	0.0	0.2	1.375	A
			2	1	380	95	-	-	-	380	383	0.0	0.0	0.082	A
				2	1	0.26	-	-	-	1	0.70	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	215	54	1106	755	0.286	214	236	0.0	0.3	6.360	A
			2	1	163	41	1106	765	0.214	169	177	0.0	0.1	5.966	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	262	65	1106	761	0.343	265	274	0.0	0.4	7.926	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	163	41	-	-	-	163	178	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	215	54	-	-	-	215	237	0.0	0.0	0.004	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	262	65	-	-	-	262	275	0.0	0.0	0.182	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	12	3	1177	885	0.014	12	12	0.0	0.0	3.842	A
				2	294	74	1354	1037	0.285	296	306	0.0	0.4	4.133	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	208	52	1354	1042	0.200	210	211	0.0	0.3	4.006	A
				3	266	67	1354	1019	0.260	267	281	0.0	0.4	5.739	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	12	3	-	-	-	12	12	0.0	0.0	0.000	A
				2	502	126	-	-	-	502	519	0.0	0.0	0.000	A
				3	266	67	-	-	-	266	283	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

07:30 - 07:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	371	93	1112	704	0.528	367	359	0.4	1.6	11.169	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	322	80	1112	694	0.466	324	332	1.0	0.7	11.576	B
				4	49	12	1112	686	0.072	50	50	1.0	0.0	11.955	B
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	372	93	-	-	-	371	363	0.0	0.0	0.159	A
				3	323	81	-	-	-	322	331	0.0	0.1	0.163	A
				4	49	12	-	-	-	49	49	0.0	0.0	0.071	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	395	99	1051	832	0.477	400	408	0.8	1.0	8.670	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	692	173	1051	814	0.853	702	719	2.4	3.3	16.764	C
			3	1	454	114	1051	826	0.553	450	464	0.9	1.6	8.582	A
				2	1	0.26	183	151	0.007	1	0.70	0.0	0.0	2.259	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	391	98	-	-	-	395	409	0.3	1.0	8.601	A
				4	683	171	-	-	-	692	723	0.3	1.5	8.698	A
			2	1	457	114	-	-	-	454	467	0.0	0.2	0.149	A
				2	1	0.26	-	-	-	1	0.70	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	296	74	1106	717	0.415	300	288	0.3	0.6	8.685	A
			2	1	219	55	1106	724	0.303	218	225	0.1	0.6	7.169	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	299	75	1106	725	0.412	302	323	0.4	0.6	8.712	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	219	55	-	-	-	219	227	0.0	0.0	0.067	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	296	74	-	-	-	296	290	0.0	0.0	0.081	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	299	75	-	-	-	299	324	0.0	0.0	0.033	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	11	3	1295	927	0.012	11	13	0.0	0.0	6.505	A
				2	367	92	1354	987	0.370	369	380	0.4	0.3	4.699	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	217	54	1354	975	0.222	215	235	0.7	0.5	4.603	A
				3	355	89	1354	983	0.362	349	330	0.7	1.1	7.365	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	11	3	-	-	-	11	13	0.0	0.0	0.000	A
				2	582	146	-	-	-	582	616	0.0	0.0	0.000	A
				3	355	89	-	-	-	355	333	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

07:45 - 08:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	421	105	1112	624	0.674	415	433	1.6	2.6	14.886	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	417	104	1112	612	0.683	404	387	0.7	2.9	19.776	C
				4	52	13	1112	627	0.082	50	52	0.7	0.5	19.860	C
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	421	105	-	-	-	421	437	0.2	0.0	0.549	A
				3	415	104	-	-	-	417	397	0.2	0.0	0.562	A
				4	52	13	-	-	-	52	54	0.0	0.0	0.324	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	432	108	1051	791	0.545	427	434	1.0	1.8	11.347	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	754	188	1051	785	0.957	749	793	3.3	5.1	23.656	C
			3	1	582	146	1051	790	0.738	577	587	1.6	2.3	13.144	B
				2	3	0.65	411	324	0.008	3	2	0.0	0.0	13.220	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	496	124	-	-	-	432	437	2.6	17.3	73.790	F
				4	874	218	-	-	-	754	800	2.6	30.0	72.678	F
			2	1	584	146	-	-	-	582	590	0.2	0.2	1.791	A
				2	3	0.65	-	-	-	3	2	0.0	0.0	3.650	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	332	83	1106	663	0.503	333	346	0.6	0.8	10.398	B
			2	1	262	65	1106	668	0.392	261	262	0.6	0.5	8.199	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	361	90	1106	664	0.542	354	398	0.6	1.4	12.738	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	262	65	-	-	-	262	261	0.0	0.0	0.095	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	332	83	-	-	-	332	346	0.0	0.0	0.123	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	361	90	-	-	-	361	401	0.0	0.0	1.025	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	17	4	1354	906	0.018	17	18	0.0	0.1	7.524	A
				2	500	125	1354	886	0.564	496	505	0.3	1.5	7.498	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	258	65	1354	906	0.286	260	264	1.6	0.5	7.047	A
				3	397	99	1354	907	0.439	390	406	1.6	1.9	12.651	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	17	4	-	-	-	17	19	0.0	0.0	0.000	A
				2	758	190	-	-	-	758	774	0.0	0.0	0.000	A
				3	397	99	-	-	-	397	409	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

08:00 - 08:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	430	108	1112	635	0.680	428	444	2.6	2.1	18.468	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	386	96	1112	621	0.621	379	400	3.3	2.8	21.397	C
				4	52	13	1112	614	0.084	54	56	3.3	0.1	21.177	C
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	430	108	-	-	-	430	443	0.1	0.0	1.133	A
				3	386	96	-	-	-	386	399	0.1	0.0	1.032	A
				4	52	13	-	-	-	52	54	0.0	0.0	0.853	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	397	99	1051	795	0.500	397	441	1.8	1.1	12.683	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	782	195	1051	779	1.001	783	825	5.1	5.3	24.091	C
			3	1	556	139	1051	790	0.704	548	577	2.3	2.6	13.869	B
				2	0	0	46	37	0.000	0	0.17	0.0	0.0	1.496	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	452	113	-	-	-	397	439	47.3	27.9	186.186	F
				4	872	218	-	-	-	782	825	47.3	51.7	190.109	F
			2	1	564	141	-	-	-	556	578	0.2	0.7	2.514	A
				2	0	0	-	-	-	0	0.17	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	323	81	1106	660	0.491	321	332	0.8	0.8	10.442	B
			2	1	257	64	1106	662	0.388	260	263	0.5	0.7	8.785	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	370	92	1106	661	0.556	367	402	1.4	1.4	13.108	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	256	64	-	-	-	257	264	0.0	0.0	0.066	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	322	81	-	-	-	323	332	0.0	0.0	0.145	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	370	92	-	-	-	370	402	0.0	0.0	0.891	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	15	4	1354	850	0.018	16	16	1.6	0.0	7.987	A
				2	469	117	1354	916	0.513	475	508	1.6	0.6	7.866	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	238	60	1354	911	0.262	240	259	2.4	0.3	7.522	A
				3	377	94	1354	905	0.416	387	404	2.4	0.8	11.901	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	15	4	-	-	-	15	16	0.0	0.0	0.000	A
				2	709	177	-	-	-	709	762	0.0	0.0	0.000	A
				3	377	94	-	-	-	377	399	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

08:15 - 08:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	351	88	1112	708	0.496	346	354	2.1	1.0	10.342	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	323	81	1112	691	0.468	321	341	2.9	0.9	12.522	B
				4	41	10	1112	703	0.058	41	47	2.9	0.0	15.029	C
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	351	88	-	-	-	351	349	0.0	0.0	0.052	A
				3	323	81	-	-	-	323	333	0.0	0.0	0.052	A
				4	41	10	-	-	-	41	47	0.0	0.0	0.107	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	477	119	1051	832	0.573	482	458	1.1	1.2	11.909	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	786	197	1051	812	0.968	785	823	5.3	5.1	22.783	C
			3	1	447	112	1051	833	0.536	454	480	2.6	0.8	9.343	A
				2	0.52	0.13	91	76	0.007	0.52	0.35	0.0	0.0	10.852	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	408	102	-	-	-	477	459	79.6	17.6	195.254	F
				4	695	174	-	-	-	786	823	79.6	30.9	195.609	F
			2	1	447	112	-	-	-	447	473	0.7	0.0	0.418	A
				2	0.52	0.13	-	-	-	0.52	0.35	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	291	73	1106	697	0.417	286	293	0.8	0.9	8.268	A
			2	1	194	48	1106	699	0.278	189	210	0.7	0.7	7.017	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	307	77	1106	690	0.446	302	331	1.4	1.3	9.279	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	194	48	-	-	-	194	210	0.0	0.0	0.003	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	291	73	-	-	-	291	293	0.0	0.0	0.007	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	307	77	-	-	-	307	331	0.0	0.0	0.038	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	15	4	1236	897	0.016	14	13	0.0	0.1	6.199	A
				2	362	90	1354	991	0.366	362	379	0.6	0.4	5.702	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	232	58	1354	991	0.235	231	245	1.0	0.3	5.398	A
				3	332	83	1354	995	0.335	331	327	1.0	0.6	8.150	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	15	4	-	-	-	15	13	0.0	0.0	0.000	A
				2	593	148	-	-	-	593	625	0.0	0.0	0.000	A
				3	332	83	-	-	-	332	326	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

08:30 - 08:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	301	75	1112	758	0.396	301	309	1.0	0.6	8.258	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	238	60	1112	751	0.319	237	267	0.9	0.6	7.745	A
				4	37	9	1112	741	0.049	37	36	0.9	0.0	7.770	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	301	75	-	-	-	301	307	0.0	0.0	0.000	A
				3	238	60	-	-	-	238	266	0.0	0.0	0.000	A
				4	37	9	-	-	-	37	36	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	360	90	1051	875	0.413	347	406	1.2	1.3	9.546	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	625	156	1051	850	0.734	632	749	5.1	2.3	18.255	C
			3	1	395	99	1051	870	0.454	386	399	0.8	1.2	7.795	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	337	84	-	-	-	360	406	48.5	2.0	56.791	F
				4	583	146	-	-	-	625	737	48.5	4.1	62.110	F
			2	1	395	99	-	-	-	395	401	0.0	0.0	0.204	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	219	55	1106	756	0.289	216	236	0.9	0.5	6.679	A
			2	1	157	39	1106	755	0.207	160	180	0.7	0.3	6.844	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	253	63	1106	747	0.336	255	270	1.3	0.4	8.441	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	157	39	-	-	-	157	178	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	219	55	-	-	-	219	235	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	253	63	-	-	-	253	265	0.0	0.0	0.032	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	7	2	1236	972	0.008	8	12	0.5	0.0	4.451	A
				2	313	78	1354	1043	0.300	315	319	0.5	0.3	4.117	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	194	48	1354	1044	0.186	194	208	0.9	0.1	4.034	A
				3	280	70	1354	1042	0.269	278	286	0.9	0.8	5.950	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	7	2	-	-	-	7	12	0.0	0.0	0.000	A
				2	507	127	-	-	-	507	526	0.0	0.0	0.000	A
				3	280	70	-	-	-	280	287	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

Base 2026, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Geometry	4 - A1079 (W) - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Info	Simulation	A1 - [Lane Simulation]	This run uses Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	J17 - Dunswell Roundabout	Standard Roundabout		1, 2, 3, 4	81.83	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	81.83	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	Base 2026	PM	ONE HOUR	15:45	17:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1 - A1174 (N)		ONE HOUR	✓	817	100.000
2 - A1033 (E)		ONE HOUR	✓	1661	100.000
3 - A1079 (S)		ONE HOUR	✓	1284	100.000
4 - A1079 (W)		ONE HOUR	✓	1022	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	461	317	39
	2 - A1033 (E)	419	1	432	809
	3 - A1079 (S)	253	669	0	362
	4 - A1079 (W)	9	761	252	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80

Heavy Vehicle %

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	1	1	0
	2 - A1033 (E)	2	0	1	5
	3 - A1079 (S)	3	1	0	4
	4 - A1079 (W)	11	3	5	0

Cyclist %

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	0	0	0
	2 - A1033 (E)	0	0	0	0
	3 - A1079 (S)	0	0	0	0
	4 - A1079 (W)	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
1 - A1174 (N)	65.25	18.0	F	746	1119
2 - A1033 (E)	141.06	79.9	F	1529	2293
3 - A1079 (S)	72.51	31.8	F	1196	1794
4 - A1079 (W)	10.50	3.3	B	939	1409

Main Results for each time segment

15:45 - 16:00

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	612	153	1285	605	604	510	0.0	2.0	9.043	A
2 - A1033 (E)	1254	313	444	1254	1284	1446	0.0	3.3	9.549	A
3 - A1079 (S)	987	247	958	993	981	740	0.0	2.4	8.593	A
4 - A1079 (W)	774	193	1021	773	792	930	0.0	1.1	4.988	A

16:00 - 16:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	727	182	1523	717	735	635	2.0	3.2	12.485	B
2 - A1033 (E)	1518	380	538	1505	1515	1702	3.3	8.1	16.779	C
3 - A1079 (S)	1178	295	1165	1185	1200	879	2.4	4.5	13.987	B
4 - A1079 (W)	915	229	1240	918	938	1109	1.1	1.7	6.505	A

16:15 - 16:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	884	221	1819	869	861	764	3.2	12.5	36.466	E
2 - A1033 (E)	1873	468	648	1717	1726	2041	8.1	49.5	69.545	F
3 - A1079 (S)	1469	367	1313	1412	1395	1052	4.5	21.0	38.117	E
4 - A1079 (W)	1122	280	1456	1127	1145	1269	1.7	3.2	9.569	A

16:30 - 16:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	893	223	1825	872	885	724	12.5	18.0	65.254	F
2 - A1033 (E)	1796	449	680	1673	1759	2017	49.5	79.6	141.055	F
3 - A1079 (S)	1411	353	1279	1352	1389	1074	21.0	32.1	72.512	F
4 - A1079 (W)	1149	287	1399	1149	1180	1231	3.2	2.7	10.496	B

16:45 - 17:00

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	725	181	1586	747	787	610	18.0	3.7	35.054	E
2 - A1033 (E)	1501	375	550	1642	1681	1784	79.6	46.0	132.632	F
3 - A1079 (S)	1149	287	1259	1218	1253	933	32.1	14.3	62.311	F
4 - A1079 (W)	925	231	1273	923	952	1203	2.7	1.5	6.716	A

17:00 - 17:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	633	158	1291	635	647	534	3.7	1.7	10.182	B
2 - A1033 (E)	1233	308	463	1295	1438	1463	46.0	4.1	39.066	E
3 - A1079 (S)	977	244	980	1003	1037	777	14.3	3.2	21.433	C
4 - A1079 (W)	753	188	1070	755	784	913	1.5	1.0	5.296	A

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

15:45 - 16:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	356	702	0.506	353	339	0.0	1.1	9.581	A
			2	1, 3, 4	256	701	0.364	252	265	0.0	0.9	8.353	A
		2	1	(1, 2, 3, 4)	612			612	612	0.0	0.0	0.000	A
	Exit	1	1		510			510	523	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	326	915	0.357	325	327	0.0	0.5	6.176	A
			2	4	611	882	0.693	615	637	0.0	1.7	10.738	B
			3	1, 2	313	913	0.343	314	319	0.0	0.5	6.140	A
		2	1	(3, 4)	941			937	973	0.0	0.7	1.487	A
			2	(1, 2)	313			313	321	0.0	0.0	0.003	A
	Exit	1	1		1446			1446	1428	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	286	782	0.365	285	279	0.0	0.5	7.127	A
			2	1	189	797	0.236	191	198	0.0	0.4	5.696	A
			3	2, 3	511	816	0.627	517	504	0.0	1.4	10.127	B
		2	1	(1, 4)	475			475	481	0.0	0.0	0.026	A
			2	(2, 3)	512			511	510	0.0	0.1	0.323	A
	Exit	1	1		740			740	765	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	329	962	0.342	328	342	0.0	0.5	4.562	A
			2	2, 3, 4	445	956	0.466	445	451	0.0	0.5	5.315	A
		2	1	(1, 2, 3, 4)	774			774	797	0.0	0.0	0.000	A
	Exit	1	1		930			930	945	0.0	0.0	0.000	A

16:00 - 16:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	407	631	0.644	403	411	1.1	1.7	12.935	B
			2	1, 3, 4	320	633	0.506	314	325	0.9	1.5	11.843	B
		2	1	(1, 2, 3, 4)	727			727	740	0.0	0.0	0.034	A
	Exit	1	1		635			635	637	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	377	893	0.422	377	384	0.5	0.4	7.644	A
			2	4	729	857	0.852	735	737	1.7	2.8	15.095	C
			3	1, 2	396	884	0.449	394	393	0.5	0.8	6.950	A
		2	1	(3, 4)	1122			1106	1126	0.7	4.1	7.690	A
			2	(1, 2)	396			396	395	0.0	0.0	0.012	A
	Exit	1	1		1702			1702	1723	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	343	731	0.470	339	347	0.5	0.9	8.309	A
			2	1	234	743	0.315	235	236	0.4	0.4	6.687	A
			3	2, 3	607	752	0.807	612	618	1.4	2.5	16.009	C
		2	1	(1, 4)	578			577	585	0.0	0.1	0.058	A
			2	(2, 3)	600			607	622	0.1	0.6	3.699	A
	Exit	1	1		879			879	908	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	411	886	0.463	410	412	0.5	0.8	6.063	A
			2	2, 3, 4	503	893	0.564	508	526	0.5	1.0	6.852	A
		2	1	(1, 2, 3, 4)	915			915	941	0.0	0.0	0.000	A
	Exit	1	1		1109			1109	1120	0.0	0.0	0.000	A

16:15 - 16:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	493	539	0.915	496	482	1.7	5.0	30.913	D
			2	1, 3, 4	385	541	0.713	373	378	1.5	3.1	20.263	C
		2	1	(1, 2, 3, 4)	884			877	881	0.0	4.5	9.792	A
	Exit	1	1		764			764	759	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	449	859	0.523	444	440	0.4	1.6	10.945	B
			2	4	807	823	0.981	804	821	2.8	5.1	22.618	C
			3	1, 2	475	851	0.559	469	465	0.8	1.8	9.069	A
		2	1	(3, 4)	1397			1256	1275	4.1	40.8	71.256	F
			2	(1, 2)	475			475	469	0.0	0.0	0.227	A
	Exit	1	1		2041			2041	2018	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	424	682	0.621	425	416	0.9	1.4	10.646	B
			2	1	284	695	0.409	287	287	0.4	0.7	8.737	A
			3	2, 3	706	709	0.996	701	692	2.5	5.2	23.882	C
		2	1	(1, 4)	706			708	706	0.1	0.1	0.308	A
			2	(2, 3)	764			706	703	0.6	13.6	39.199	E
	Exit	1	1		1052			1052	1071	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	528	822	0.644	528	528	0.8	1.4	8.736	A
			2	2, 3, 4	594	813	0.729	598	617	1.0	1.8	10.291	B
		2	1	(1, 2, 3, 4)	1122			1122	1151	0.0	0.0	0.000	A
	Exit	1	1		1269			1269	1278	0.0	0.0	0.000	A

16:30 - 16:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	497	538	0.922	495	491	5.0	6.9	45.770	E
			2	1, 3, 4	384	539	0.714	377	394	3.1	2.8	26.044	D
		2	1	(1, 2, 3, 4)	893			880	891	4.5	8.3	27.816	D
	Exit	1	1		724			724	759	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	449	852	0.527	439	445	1.6	1.7	10.740	B
			2	4	793	826	0.963	795	844	5.1	5.5	23.784	C
			3	1, 2	441	851	0.518	440	470	1.8	1.1	9.237	A
		2	1	(3, 4)	1356			1240	1291	40.8	71.4	165.890	F
			2	(1, 2)	441			441	467	0.0	0.0	0.242	A
	Exit	1	1		2017			2017	2056	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	397	711	0.561	392	411	1.4	1.2	11.800	B
			2	1	275	708	0.387	276	280	0.7	0.7	8.423	A
			3	2, 3	691	720	0.961	684	697	5.2	5.5	27.694	D
		2	1	(1, 4)	672			672	691	0.1	0.0	0.649	A
			2	(2, 3)	739			691	698	13.6	24.8	100.688	F
	Exit	1	1		1074			1074	1098	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	535	842	0.637	536	546	1.4	1.2	9.649	A
			2	2, 3, 4	613	833	0.736	613	634	1.8	1.6	11.228	B
		2	1	(1, 2, 3, 4)	1149			1149	1178	0.0	0.0	0.000	A
	Exit	1	1		1231			1231	1299	0.0	0.0	0.000	A

16:45 - 17:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	412	612	0.673	417	443	6.9	2.1	28.629	D
			2	1, 3, 4	326	618	0.527	331	344	2.8	1.1	18.175	C
		2	1	(1, 2, 3, 4)	725			737	760	8.3	0.5	12.349	B
	Exit	1	1		610			610	627	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	428	892	0.479	421	429	1.7	1.4	9.427	A
			2	4	840	853	0.986	847	869	5.5	4.7	22.331	C
			3	1, 2	371	887	0.418	374	383	1.1	0.6	6.974	A
		2	1	(3, 4)	1130			1267	1294	71.4	39.3	157.152	F
			2	(1, 2)	371			371	381	0.0	0.0	0.061	A
	Exit	1	1		1784			1784	1836	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	316	709	0.449	319	334	1.2	0.4	9.305	A
			2	1	230	714	0.322	229	237	0.7	0.4	7.720	A
			3	2, 3	655	730	0.898	670	682	5.5	4.1	26.450	D
		2	1	(1, 4)	547			547	566	0.0	0.0	0.118	A
			2	(2, 3)	603			655	677	24.8	9.4	84.021	F
	Exit	1	1		933			933	965	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	421	887	0.475	421	430	1.2	0.7	6.087	A
			2	2, 3, 4	503	874	0.576	503	522	1.6	0.8	7.239	A
		2	1	(1, 2, 3, 4)	925			925	946	0.0	0.0	0.000	A
	Exit	1	1		1203			1203	1244	0.0	0.0	0.000	A

17:00 - 17:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	352	703	0.502	356	367	2.1	1.0	10.684	B
			2	1, 3, 4	281	704	0.399	279	280	1.1	0.7	9.442	A
		2	1	(1, 2, 3, 4)	633			633	641	0.5	0.0	0.083	A
	Exit	1	1		534			534	533	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	346	915	0.378	348	372	1.4	0.5	7.591	A
			2	4	607	881	0.689	622	741	4.7	1.5	16.390	C
			3	1, 2	327	904	0.361	325	325	0.6	0.8	5.863	A
		2	1	(3, 4)	907			952	1096	39.3	1.2	37.871	E
			2	(1, 2)	327			327	326	0.0	0.0	0.007	A
	Exit	1	1		1463			1463	1511	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	261	790	0.331	257	273	0.4	0.7	7.549	A
			2	1	206	784	0.262	204	202	0.4	0.3	6.076	A
			3	2, 3	535	810	0.661	540	562	4.1	1.5	16.032	C
		2	1	(1, 4)	468			468	476	0.0	0.0	0.000	A
			2	(2, 3)	510			535	552	9.4	0.6	19.369	C
	Exit	1	1		777			777	817	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	323	952	0.340	325	341	0.7	0.3	4.819	A
			2	2, 3, 4	430	944	0.455	430	443	0.8	0.7	5.666	A
		2	1	(1, 2, 3, 4)	753			753	782	0.0	0.0	0.000	A
	Exit	1	1		913			913	1046	0.0	0.0	0.000	A

Lane movements: Main Results for each time segment

15:45 - 16:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	356	89	1112	703	0.506	353	339	0.0	1.1	9.581	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	226	56	1112	696	0.324	223	236	0.0	0.8	8.332	A
				4	30	7	1112	721	0.041	29	29	0.0	0.1	8.515	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	356	89	-	-	-	356	344	0.0	0.0	0.000	A
				3	226	56	-	-	-	226	239	0.0	0.0	0.000	A
				4	30	7	-	-	-	30	30	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	326	82	1051	915	0.357	325	327	0.0	0.5	6.176	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	611	153	1051	881	0.693	615	637	0.0	1.7	10.738	B
			3	1	313	78	1051	912	0.343	313	319	0.0	0.5	6.142	A
				2	0.36	0.09	159	140	0.003	0.36	0.73	0.0	0.0	5.112	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	327	82	-	-	-	326	329	0.0	0.2	1.211	A
				4	614	153	-	-	-	611	644	0.0	0.5	1.634	A
			2	1	313	78	-	-	-	313	320	0.0	0.0	0.003	A
				2	0.36	0.09	-	-	-	0.36	0.73	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	286	71	1106	781	0.365	285	279	0.0	0.5	7.127	A
			2	1	189	47	1106	798	0.236	191	198	0.0	0.4	5.696	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	511	128	1106	815	0.627	517	504	0.0	1.4	10.127	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	189	47	-	-	-	189	200	0.0	0.0	0.013	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	286	71	-	-	-	286	281	0.0	0.0	0.036	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	512	128	-	-	-	511	510	0.0	0.1	0.323	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	5	1	1067	701	0.008	5	6	0.0	0.0	5.829	A
				2	324	81	1354	964	0.336	323	335	0.0	0.5	4.540	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	252	63	1354	956	0.264	253	249	0.0	0.2	4.617	A
				3	192	48	1354	947	0.203	192	202	0.0	0.3	6.186	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	5	1	-	-	-	5	6	0.0	0.0	0.000	A
				2	576	144	-	-	-	576	588	0.0	0.0	0.000	A
				3	192	48	-	-	-	192	203	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

16:00 - 16:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	407	102	1112	633	0.642	403	411	1.1	1.7	12.935	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	283	71	1112	635	0.447	279	288	0.9	1.4	11.926	B
				4	37	9	1112	633	0.058	36	37	0.9	0.1	11.193	B
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	407	102	-	-	-	407	413	0.0	0.0	0.048	A
				3	283	71	-	-	-	283	290	0.0	0.0	0.016	A
				4	37	9	-	-	-	37	37	0.0	0.0	0.023	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	377	94	1051	893	0.422	377	384	0.5	0.4	7.644	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	729	182	1051	857	0.852	735	737	1.7	2.8	15.095	C
			3	1	395	99	1051	883	0.447	393	392	0.5	0.8	6.931	A
				2	1	0.27	287	247	0.004	1	1	0.0	0.0	13.925	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	381	95	-	-	-	377	384	0.7	1.2	7.298	A
				4	740	185	-	-	-	729	742	0.7	2.9	7.902	A
			2	1	395	99	-	-	-	395	394	0.0	0.0	0.012	A
				2	1	0.27	-	-	-	1	1	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	343	86	1106	729	0.471	339	347	0.5	0.9	8.309	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	234	58	1106	743	0.315	235	236	0.4	0.4	6.687	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	607	152	1106	751	0.808	612	618	1.4	2.5	16.009	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	234	58	-	-	-	234	236	0.0	0.0	0.043	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	344	86	-	-	-	343	349	0.0	0.1	0.069	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	600	150	-	-	-	607	622	0.1	0.6	3.699	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	8	2	1190	665	0.011	8	9	0.5	0.0	7.142	A
				2	403	101	1354	888	0.454	403	403	0.5	0.8	6.041	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	280	70	1354	898	0.312	284	291	0.5	0.3	5.959	A
				3	223	56	1354	885	0.252	224	236	0.5	0.7	7.963	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	8	2	-	-	-	8	9	0.0	0.0	0.000	A
				2	683	171	-	-	-	683	695	0.0	0.0	0.000	A
				3	223	56	-	-	-	223	237	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

16:15 - 16:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	493	123	1112	540	0.913	496	482	1.7	5.0	30.913	D
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	346	86	1112	541	0.641	333	337	1.5	2.8	20.014	C
				4	39	10	1112	550	0.071	40	42	1.5	0.3	22.255	C
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	492	123	-	-	-	493	496	0.0	2.4	10.404	B
				3	351	88	-	-	-	346	343	0.0	1.8	9.001	A
				4	41	10	-	-	-	39	42	0.0	0.2	9.056	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	449	112	1051	859	0.523	444	440	0.4	1.6	10.945	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	807	202	1051	823	0.981	804	821	2.8	5.1	22.618	C
			3	1	473	118	1051	851	0.556	467	464	0.8	1.8	9.072	A
				2	2	0.45	287	237	0.008	2	2	0.0	0.0	8.213	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	488	122	-	-	-	449	445	4.1	13.6	69.831	F
				4	909	227	-	-	-	807	830	4.1	27.3	72.045	F
			2	1	473	118	-	-	-	473	468	0.0	0.0	0.222	A
				2	2	0.45	-	-	-	2	2	0.0	0.0	1.705	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	424	106	1106	684	0.619	425	416	0.9	1.4	10.646	B
			2	1	284	71	1106	696	0.408	287	287	0.4	0.7	8.737	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	706	177	1106	709	0.996	701	692	2.5	5.2	23.882	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	284	71	-	-	-	284	288	0.0	0.0	0.310	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	422	105	-	-	-	424	418	0.1	0.1	0.307	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	764	191	-	-	-	706	703	0.6	13.6	39.199	E
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	11	3	1149	705	0.017	11	9	0.0	0.1	11.278	B
				2	517	129	1354	822	0.628	518	519	0.8	1.3	8.691	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	320	80	1354	822	0.389	324	323	1.0	0.8	8.809	A
				3	273	68	1354	806	0.338	274	294	1.0	1.0	11.965	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	11	3	-	-	-	11	9	0.0	0.0	0.000	A
				2	837	209	-	-	-	837	847	0.0	0.0	0.000	A
				3	273	68	-	-	-	273	295	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

16:30 - 16:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	497	124	1112	538	0.922	495	491	5.0	6.9	45.770	E
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	336	84	1112	538	0.627	333	350	3.1	2.5	25.937	D
				4	48	12	1112	545	0.087	44	44	3.1	0.4	26.874	D
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	508	127	-	-	-	497	498	4.5	4.7	27.744	D
				3	337	84	-	-	-	336	349	4.5	3.2	27.717	D
				4	48	12	-	-	-	48	44	4.5	0.5	29.378	D
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	449	112	1051	850	0.528	439	445	1.6	1.7	10.740	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	793	198	1051	826	0.963	795	844	5.1	5.5	23.784	C
			3	1	439	110	1051	851	0.516	438	468	1.8	1.1	9.246	A
				2	2	0.45	287	239	0.008	2	1	0.0	0.0	6.014	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	469	117	-	-	-	449	445	40.8	23.8	163.758	F
				4	886	222	-	-	-	793	845	40.8	47.5	167.046	F
			2	1	439	110	-	-	-	439	465	0.0	0.0	0.243	A
				2	2	0.45	-	-	-	2	1	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	397	99	1106	710	0.562	392	411	1.4	1.2	11.800	B
			2	1	275	69	1106	709	0.387	276	280	0.7	0.7	8.423	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	691	173	1106	720	0.962	684	697	5.2	5.5	27.694	D
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	275	69	-	-	-	275	280	0.1	0.0	0.465	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	397	99	-	-	-	397	411	0.1	0.0	0.775	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	739	185	-	-	-	691	698	13.6	24.8	100.688	F
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	10	2	1190	734	0.013	9	11	1.4	0.1	10.368	B
				2	526	131	1354	841	0.626	527	535	1.4	1.1	9.635	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	308	77	1354	837	0.367	311	331	1.8	0.5	9.300	A
				3	306	76	1354	824	0.371	302	303	1.8	1.0	13.374	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	10	2	-	-	-	10	10	0.0	0.0	0.000	A
				2	833	208	-	-	-	833	865	0.0	0.0	0.000	A
				3	306	76	-	-	-	306	303	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

16:45 - 17:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	412	103	1112	611	0.673	417	443	6.9	2.1	28.629	D
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	291	73	1112	618	0.470	293	302	2.8	1.0	18.182	C
				4	35	9	1112	627	0.056	37	42	2.8	0.1	18.124	C
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	405	101	-	-	-	412	424	8.3	0.3	12.941	B
				3	286	72	-	-	-	291	296	8.3	0.2	11.287	B
				4	34	9	-	-	-	35	40	8.3	0.0	13.931	B
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	428	107	1051	892	0.480	421	429	1.7	1.4	9.427	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	840	210	1051	853	0.986	847	869	5.5	4.7	22.331	C
			3	1	369	92	1051	888	0.416	373	382	1.1	0.6	6.971	A
				2	1	0.36	223	190	0.008	1	0.73	0.0	0.0	8.277	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	399	100	-	-	-	428	428	71.4	14.5	157.669	F
				4	731	183	-	-	-	840	866	71.4	24.8	156.878	F
			2	1	369	92	-	-	-	369	380	0.0	0.0	0.061	A
				2	1	0.36	-	-	-	1	0.85	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	316	79	1106	708	0.449	319	334	1.2	0.4	9.305	A
			2	1	230	58	1106	714	0.322	229	237	0.7	0.4	7.720	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	655	164	1106	730	0.898	670	682	5.5	4.1	26.450	D
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	230	58	-	-	-	230	236	0.0	0.0	0.111	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	316	79	-	-	-	316	330	0.0	0.0	0.123	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	603	151	-	-	-	655	677	24.8	9.4	84.021	F
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	7	2	1108	654	0.011	7	8	1.2	0.0	7.376	A
				2	414	103	1354	888	0.466	413	422	1.2	0.7	6.065	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	283	71	1354	880	0.321	283	288	1.6	0.4	6.328	A
				3	220	55	1354	864	0.255	220	234	1.6	0.4	8.390	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	7	2	-	-	-	7	8	0.0	0.0	0.000	A
				2	697	174	-	-	-	697	707	0.0	0.0	0.000	A
				3	220	55	-	-	-	220	232	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

17:00 - 17:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	352	88	1112	703	0.502	356	367	2.1	1.0	10.684	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	248	62	1112	705	0.351	245	248	1.1	0.6	9.388	A
				4	34	8	1112	712	0.047	34	32	1.1	0.1	9.859	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	352	88	-	-	-	352	363	0.5	0.0	0.080	A
				3	248	62	-	-	-	248	246	0.5	0.0	0.065	A
				4	34	8	-	-	-	34	32	0.0	0.0	0.260	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	346	86	1051	914	0.378	348	372	1.4	0.5	7.591	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	607	152	1051	881	0.689	622	741	4.7	1.5	16.390	C
			3	1	325	81	1051	903	0.360	323	324	0.6	0.8	5.862	A
				2	2	0.45	223	194	0.009	2	0.97	0.6	0.0	6.296	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	327	82	-	-	-	346	368	39.3	0.2	35.426	E
				4	580	145	-	-	-	607	728	39.3	1.0	39.129	E
			2	1	325	81	-	-	-	325	325	0.0	0.0	0.007	A
				2	2	0.45	-	-	-	2	0.85	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	261	65	1106	789	0.331	257	273	0.4	0.7	7.549	A
			2	1	206	52	1106	783	0.263	204	202	0.4	0.3	6.076	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	535	134	1106	811	0.661	540	562	4.1	1.5	16.032	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	206	52	-	-	-	206	201	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	261	65	-	-	-	261	274	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	510	127	-	-	-	535	552	9.4	0.6	19.369	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	7	2	985	679	0.010	7	8	0.0	0.0	6.457	A
				2	316	79	1354	951	0.333	318	333	0.7	0.3	4.784	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	248	62	1354	955	0.260	247	247	0.8	0.4	4.824	A
				3	182	45	1354	933	0.194	184	196	0.8	0.4	6.764	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	7	2	-	-	-	7	8	0.0	0.0	0.000	A
				2	565	141	-	-	-	565	579	0.0	0.0	0.000	A
				3	182	45	-	-	-	182	196	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

Base 2026 + Committed Development, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Geometry	4 - A1079 (W) - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Info	Simulation	A1 - [Lane Simulation]	This run uses Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	J17 - Dunswell Roundabout	Standard Roundabout		1, 2, 3, 4	59.88	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	59.88	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	Base 2026 + Committed Development	AM	ONE HOUR	07:15	08:45	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1 - A1174 (N)		ONE HOUR	✓	787	100.000
2 - A1033 (E)		ONE HOUR	✓	1732	100.000
3 - A1079 (S)		ONE HOUR	✓	878	100.000
4 - A1079 (W)		ONE HOUR	✓	1034	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	391	349	47
	2 - A1033 (E)	506	1	439	786
	3 - A1079 (S)	231	344	0	303
	4 - A1079 (W)	15	667	352	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80

Heavy Vehicle %

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	3	4	4
	2 - A1033 (E)	3	0	3	5
	3 - A1079 (S)	3	4	0	5
	4 - A1079 (W)	7	3	3	0

Cyclist %

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	0	0	0
	2 - A1033 (E)	0	0	0	0
	3 - A1079 (S)	0	0	0	0
	4 - A1079 (W)	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
1 - A1174 (N)	21.41	5.8	C	723	1085
2 - A1033 (E)	132.57	78.9	F	1581	2371
3 - A1079 (S)	11.41	3.2	B	803	1205
4 - A1079 (W)	8.58	2.7	A	946	1420

Main Results for each time segment

07:15 - 07:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	581	145	1025	581	601	567	0.0	1.1	7.366	A
2 - A1033 (E)	1314	329	560	1319	1342	1046	0.0	4.6	11.262	B
3 - A1079 (S)	662	166	1021	661	681	858	0.0	1.3	6.763	A
4 - A1079 (W)	780	195	813	779	803	869	0.0	0.9	4.741	A

07:30 - 07:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	703	176	1209	705	728	679	1.1	2.0	10.250	B
2 - A1033 (E)	1555	389	672	1543	1594	1242	4.6	11.8	21.079	C
3 - A1079 (S)	785	196	1203	785	818	1012	1.3	1.5	8.068	A
4 - A1079 (W)	915	229	965	923	948	1023	0.9	1.5	5.803	A

07:45 - 08:00

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	890	222	1488	891	892	816	2.0	5.8	20.070	C
2 - A1033 (E)	1872	468	815	1753	1829	1564	11.8	43.7	61.020	F
3 - A1079 (S)	972	243	1374	974	1009	1195	1.5	3.2	11.407	B
4 - A1079 (W)	1116	279	1185	1120	1160	1163	1.5	2.5	7.965	A

08:00 - 08:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	851	213	1528	856	899	852	5.8	4.6	21.406	C
2 - A1033 (E)	1900	475	819	1761	1824	1564	43.7	78.7	132.571	F
3 - A1079 (S)	958	240	1399	967	1008	1182	3.2	2.5	11.373	B
4 - A1079 (W)	1163	291	1218	1161	1194	1147	2.5	2.6	8.579	A

08:15 - 08:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	712	178	1223	712	737	682	4.6	2.0	11.141	B
2 - A1033 (E)	1565	391	675	1680	1755	1261	78.7	47.6	131.837	F
3 - A1079 (S)	796	199	1278	799	819	1076	2.5	1.7	8.165	A
4 - A1079 (W)	931	233	974	931	956	1103	2.6	1.6	5.901	A

08:30 - 08:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	603	151	1027	606	631	558	2.0	1.3	8.324	A
2 - A1033 (E)	1286	322	559	1388	1519	1074	47.6	8.8	50.355	F
3 - A1079 (S)	649	162	1065	655	678	882	1.7	1.1	7.329	A
4 - A1079 (W)	773	193	810	775	807	911	1.6	0.9	4.800	A

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

07:15 - 07:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	286	765	0.374	288	297	0.0	0.5	7.491	A
			2	1, 3, 4	295	767	0.386	293	304	0.0	0.6	7.245	A
		2	1	(1, 2, 3, 4)	581			581	606	0.0	0.0	0.000	A
	Exit	1	1		567			567	576	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	333	872	0.382	335	338	0.0	0.7	6.562	A
			2	4	606	852	0.711	604	615	0.0	2.3	12.017	B
			3	1, 2	375	868	0.432	380	389	0.0	0.8	7.547	A
		2	1	(3, 4)	940			940	965	0.0	0.9	2.596	A
			2	(1, 2)	374			375	392	0.0	0.0	0.189	A
	Exit	1	1		1046			1046	1082	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	229	764	0.301	228	235	0.0	0.5	6.726	A
			2	1	174	769	0.226	176	177	0.0	0.3	5.901	A
			3	2, 3	258	765	0.337	257	270	0.0	0.6	7.328	A
		2	1	(1, 4)	404			404	415	0.0	0.0	0.006	A
			2	(2, 3)	258			258	272	0.0	0.0	0.030	A
	Exit	1	1		858			858	883	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	308	1028	0.299	307	318	0.0	0.3	4.137	A
			2	2, 3, 4	472	1038	0.455	472	485	0.0	0.6	5.139	A
		2	1	(1, 2, 3, 4)	780			780	807	0.0	0.0	0.000	A
	Exit	1	1		869			869	888	0.0	0.0	0.000	A

07:30 - 07:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	346	713	0.486	355	361	0.5	0.7	9.646	A
			2	1, 3, 4	357	701	0.509	351	367	0.6	1.3	10.830	B
		2	1	(1, 2, 3, 4)	703			703	731	0.0	0.0	0.008	A
	Exit	1	1		679			679	691	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	380	836	0.454	382	398	0.7	1.1	8.238	A
			2	4	706	821	0.858	706	727	2.3	3.7	17.310	C
			3	1, 2	456	838	0.543	456	469	0.8	1.2	9.157	A
		2	1	(3, 4)	1100			1085	1133	0.9	5.8	11.705	B
			2	(1, 2)	456			456	470	0.0	0.0	0.375	A
	Exit	1	1		1242			1242	1284	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	273	714	0.381	275	293	0.5	0.4	8.233	A
			2	1	211	727	0.290	210	209	0.3	0.3	6.588	A
			3	2, 3	300	721	0.416	299	316	0.6	0.7	8.721	A
		2	1	(1, 4)	484			484	502	0.0	0.0	0.063	A
			2	(2, 3)	300			300	316	0.0	0.0	0.083	A
	Exit	1	1		1012			1012	1051	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	383	982	0.390	385	396	0.3	0.6	4.872	A
			2	2, 3, 4	532	982	0.541	538	553	0.6	0.9	6.467	A
		2	1	(1, 2, 3, 4)	915			915	951	0.0	0.0	0.000	A
	Exit	1	1		1023			1023	1062	0.0	0.0	0.000	A

07:45 - 08:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	452	622	0.724	462	446	0.7	2.2	19.289	C
			2	1, 3, 4	432	616	0.701	429	446	1.3	2.7	17.868	C
		2	1	(1, 2, 3, 4)	890			884	904	0.0	0.9	1.383	A
	Exit	1	1		816			816	847	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	424	802	0.529	430	444	1.1	1.2	11.209	B
			2	4	783	779	1.003	775	817	3.7	5.3	22.654	C
			3	1, 2	549	794	0.691	548	568	1.2	2.0	12.464	B
		2	1	(3, 4)	1319			1207	1268	5.8	34.7	62.091	F
			2	(1, 2)	553			549	572	0.0	0.5	1.328	A
	Exit	1	1		1564			1564	1590	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	337	659	0.512	338	349	0.4	0.8	10.728	B
			2	1	254	674	0.378	256	264	0.3	0.7	8.452	A
			3	2, 3	381	672	0.566	381	397	0.7	1.6	12.474	B
		2	1	(1, 4)	590			591	616	0.0	0.0	0.437	A
			2	(2, 3)	381			381	400	0.0	0.1	0.804	A
	Exit	1	1		1195			1195	1233	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	486	903	0.537	489	504	0.6	0.8	6.629	A
			2	2, 3, 4	630	905	0.697	631	656	0.9	1.7	8.985	A
		2	1	(1, 2, 3, 4)	1116			1116	1164	0.0	0.0	0.000	A
	Exit	1	1		1163			1163	1220	0.0	0.0	0.000	A

08:00 - 08:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	413	612	0.674	416	443	2.2	1.9	19.185	C
			2	1, 3, 4	438	613	0.715	440	456	2.7	2.5	20.534	C
		2	1	(1, 2, 3, 4)	851			851	897	0.9	0.2	1.627	A
	Exit	1	1		852			852	862	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	418	796	0.524	415	428	1.2	1.2	11.874	B
			2	4	771	783	0.982	771	812	5.3	5.4	24.650	C
			3	1, 2	571	792	0.720	575	584	2.0	1.8	13.195	B
		2	1	(3, 4)	1330			1188	1239	34.7	70.1	162.001	F
			2	(1, 2)	570			571	583	0.5	0.3	2.420	A
	Exit	1	1		1564			1564	1624	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	323	659	0.490	324	342	0.8	0.8	10.542	B
			2	1	254	671	0.379	256	261	0.7	0.6	8.552	A
			3	2, 3	381	668	0.571	387	405	1.6	1.1	12.753	B
		2	1	(1, 4)	576			577	603	0.0	0.0	0.253	A
			2	(2, 3)	381			381	403	0.1	0.0	0.815	A
	Exit	1	1		1182			1182	1230	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	513	893	0.575	513	525	0.8	0.8	7.221	A
			2	2, 3, 4	650	900	0.723	649	670	1.7	1.8	9.640	A
		2	1	(1, 2, 3, 4)	1163			1163	1195	0.0	0.0	0.000	A
	Exit	1	1		1147			1147	1209	0.0	0.0	0.000	A

08:15 - 08:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	351	710	0.496	350	357	1.9	1.0	10.895	B
			2	1, 3, 4	361	701	0.514	362	379	2.5	1.0	11.208	B
		2	1	(1, 2, 3, 4)	712			712	727	0.2	0.0	0.112	A
	Exit	1	1		682			682	704	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	437	832	0.524	442	455	1.2	0.8	11.167	B
			2	4	772	819	0.943	775	823	5.4	4.4	22.659	C
			3	1, 2	463	834	0.554	462	477	1.8	1.1	9.796	A
		2	1	(3, 4)	1102			1209	1274	70.1	41.2	164.265	F
			2	(1, 2)	463			463	474	0.3	0.0	0.523	A
	Exit	1	1		1261			1261	1299	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	285	690	0.412	287	282	0.8	0.6	8.580	A
			2	1	207	703	0.295	207	214	0.6	0.4	7.029	A
			3	2, 3	304	698	0.435	305	324	1.1	0.6	8.419	A
		2	1	(1, 4)	492			492	495	0.0	0.0	0.042	A
			2	(2, 3)	304			304	322	0.0	0.0	0.080	A
	Exit	1	1		1076			1076	1117	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	385	982	0.393	386	393	0.8	0.5	5.160	A
			2	2, 3, 4	546	976	0.559	545	563	1.8	1.1	6.420	A
		2	1	(1, 2, 3, 4)	931			931	952	0.0	0.0	0.000	A
	Exit	1	1		1103			1103	1148	0.0	0.0	0.000	A

08:30 - 08:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	309	762	0.405	311	317	1.0	0.6	8.590	A
			2	1, 3, 4	295	760	0.389	295	314	1.0	0.7	8.032	A
		2	1	(1, 2, 3, 4)	603			603	628	0.0	0.0	0.011	A
	Exit	1	1		558			558	590	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	354	861	0.411	357	391	0.8	0.5	8.472	A
			2	4	639	854	0.748	649	724	4.4	2.4	17.439	C
			3	1, 2	376	870	0.433	381	404	1.1	0.6	7.548	A
		2	1	(3, 4)	910			993	1105	41.2	5.3	55.222	F
			2	(1, 2)	376			376	402	0.0	0.0	0.088	A
	Exit	1	1		1074			1074	1102	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	227	757	0.301	226	236	0.6	0.5	7.399	A
			2	1	166	766	0.217	166	174	0.4	0.3	6.360	A
			3	2, 3	255	759	0.335	263	268	0.6	0.4	7.747	A
		2	1	(1, 4)	393			393	408	0.0	0.0	0.038	A
			2	(2, 3)	255			255	267	0.0	0.0	0.109	A
	Exit	1	1		882			882	945	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	301	1034	0.291	301	317	0.5	0.3	4.318	A
			2	2, 3, 4	473	1039	0.455	474	490	1.1	0.5	5.110	A
		2	1	(1, 2, 3, 4)	773			773	803	0.0	0.0	0.000	A
	Exit	1	1		911			911	998	0.0	0.0	0.000	A

Lane movements: Main Results for each time segment

07:15 - 07:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	286	71	1112	767	0.373	288	297	0.0	0.5	7.491	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	258	65	1112	765	0.338	256	266	0.0	0.6	7.232	A
				4	37	9	1112	778	0.047	37	38	0.0	0.0	7.331	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	286	71	-	-	-	286	299	0.0	0.0	0.000	A
				3	258	65	-	-	-	258	268	0.0	0.0	0.000	A
				4	37	9	-	-	-	37	39	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	333	83	1051	872	0.382	335	338	0.0	0.7	6.562	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	606	152	1051	852	0.711	604	615	0.0	2.3	12.017	B
			3	1	374	94	1051	868	0.431	380	388	0.0	0.8	7.545	A
				2	0.43	0.11	169	146	0.003	0.43	0.71	0.0	0.0	8.632	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	334	84	-	-	-	333	341	0.0	0.3	2.394	A
				4	606	151	-	-	-	606	624	0.0	0.6	2.709	A
			2	1	373	93	-	-	-	374	392	0.0	0.0	0.187	A
				2	0.43	0.11	-	-	-	0.43	0.71	0.0	0.0	0.823	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	229	57	1106	763	0.301	228	235	0.0	0.5	6.726	A
			2	1	174	44	1106	768	0.227	176	177	0.0	0.3	5.901	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	258	65	1106	764	0.338	257	270	0.0	0.6	7.328	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	174	44	-	-	-	174	178	0.0	0.0	0.003	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	229	57	-	-	-	229	237	0.0	0.0	0.008	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	258	64	-	-	-	258	272	0.0	0.0	0.030	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	11	3	1281	930	0.012	11	11	0.0	0.0	5.121	A
				2	296	74	1354	1028	0.288	295	308	0.0	0.3	4.105	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	204	51	1354	1044	0.196	206	206	0.0	0.2	4.187	A
				3	268	67	1354	1034	0.260	267	278	0.0	0.4	5.845	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	11	3	-	-	-	11	11	0.0	0.0	0.000	A
				2	500	125	-	-	-	500	516	0.0	0.0	0.000	A
				3	268	67	-	-	-	268	280	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

07:30 - 07:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	346	87	1112	711	0.488	355	361	0.5	0.7	9.646	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	316	79	1112	701	0.450	310	325	0.6	1.2	10.847	B
				4	41	10	1112	691	0.060	41	42	0.6	0.1	10.696	B
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	346	87	-	-	-	346	362	0.0	0.0	0.006	A
				3	316	79	-	-	-	316	328	0.0	0.0	0.012	A
				4	41	10	-	-	-	41	42	0.0	0.0	0.002	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	380	95	1051	836	0.453	382	398	0.7	1.1	8.238	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	706	176	1051	822	0.858	706	727	2.3	3.7	17.310	C
			3	1	455	114	1051	839	0.542	455	467	0.8	1.1	9.142	A
				2	1	0.32	281	233	0.006	1	1	0.0	0.0	14.461	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	385	96	-	-	-	380	400	0.9	2.1	11.460	B
				4	715	179	-	-	-	706	733	0.9	3.7	11.841	B
			2	1	455	114	-	-	-	455	469	0.0	0.0	0.375	A
				2	1	0.32	-	-	-	1	1	0.0	0.0	0.094	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	273	68	1106	717	0.380	275	293	0.5	0.4	8.233	A
			2	1	211	53	1106	727	0.290	210	209	0.3	0.3	6.588	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	300	75	1106	721	0.416	299	316	0.6	0.7	8.721	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	211	53	-	-	-	211	209	0.0	0.0	0.038	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	273	68	-	-	-	273	293	0.0	0.0	0.080	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	300	75	-	-	-	300	316	0.0	0.0	0.083	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	15	4	1257	852	0.017	15	15	0.3	0.1	5.395	A
				2	368	92	1354	984	0.373	370	381	0.3	0.6	4.853	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	214	54	1354	983	0.218	217	226	0.6	0.3	5.000	A
				3	317	79	1354	978	0.324	321	327	0.6	0.6	7.483	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	15	4	-	-	-	15	15	0.0	0.0	0.000	A
				2	583	146	-	-	-	583	608	0.0	0.0	0.000	A
				3	317	79	-	-	-	317	328	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

07:45 - 08:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	452	113	1112	623	0.724	462	446	0.7	2.2	19.289	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	381	95	1112	615	0.618	379	392	1.3	2.3	17.856	C
				4	51	13	1112	617	0.084	50	54	1.3	0.4	17.951	C
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	455	114	-	-	-	452	452	0.0	0.4	1.377	A
				3	383	96	-	-	-	381	397	0.0	0.3	1.409	A
				4	52	13	-	-	-	51	55	0.0	0.1	1.247	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	424	106	1051	802	0.529	430	444	1.1	1.2	11.209	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	783	196	1051	779	1.003	775	817	3.7	5.3	22.654	C
			3	1	548	137	1051	794	0.690	547	567	1.2	2.0	12.466	B
				2	1	0.27	281	223	0.005	1	1	1.2	0.0	11.657	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	463	116	-	-	-	424	445	5.8	12.0	60.750	F
				4	856	214	-	-	-	783	823	5.8	22.7	62.829	F
			2	1	552	138	-	-	-	548	571	0.0	0.5	1.328	A
				2	1	0.27	-	-	-	1	1	0.0	0.0	1.176	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	337	84	1106	658	0.513	338	349	0.4	0.8	10.728	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	254	63	1106	673	0.378	256	264	0.3	0.7	8.452	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	381	95	1106	671	0.567	381	397	0.7	1.6	12.474	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	254	63	-	-	-	254	265	0.0	0.0	0.387	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	336	84	-	-	-	337	351	0.0	0.0	0.476	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	381	95	-	-	-	381	400	0.0	0.1	0.804	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	14	3	1330	843	0.017	14	17	0.6	0.0	7.805	A
				2	472	118	1354	904	0.520	475	487	0.6	0.8	6.592	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	241	60	1354	907	0.266	245	259	0.9	0.4	6.758	A
				3	389	97	1354	901	0.432	386	397	0.9	1.3	10.441	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	14	3	-	-	-	14	16	0.0	0.0	0.000	A
				2	713	178	-	-	-	713	748	0.0	0.0	0.000	A
				3	389	97	-	-	-	389	400	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

08:00 - 08:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	413	103	1112	612	0.674	416	443	2.2	1.9	19.185	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	386	96	1112	614	0.628	387	401	2.7	2.3	20.466	C
				4	53	13	1112	603	0.087	53	55	2.7	0.2	21.049	C
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	413	103	-	-	-	413	442	0.9	0.1	1.679	A
				3	385	96	-	-	-	386	401	0.9	0.1	1.575	A
				4	53	13	-	-	-	53	54	0.9	0.0	1.593	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	418	104	1051	794	0.525	415	428	1.2	1.2	11.874	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	771	193	1051	783	0.982	771	812	5.3	5.4	24.650	C
			3	1	570	143	1051	791	0.719	575	583	2.0	1.8	13.194	B
				2	0.64	0.16	206	162	0.004	0.64	0.86	0.0	0.0	13.763	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	477	119	-	-	-	418	427	34.7	25.6	162.220	F
				4	853	213	-	-	-	771	812	34.7	44.5	161.881	F
			2	1	570	142	-	-	-	570	582	0.5	0.3	2.424	A
				2	0.64	0.16	-	-	-	0.64	0.86	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	323	81	1106	661	0.489	324	342	0.8	0.8	10.542	B
			2	1	254	64	1106	673	0.377	256	261	0.7	0.6	8.552	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	381	95	1106	669	0.570	387	405	1.6	1.1	12.753	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	254	63	-	-	-	254	261	0.0	0.0	0.192	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	323	81	-	-	-	323	342	0.0	0.0	0.300	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	381	95	-	-	-	381	403	0.1	0.0	0.815	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	21	5	1354	893	0.023	21	17	0.8	0.0	8.224	A
				2	492	123	1354	895	0.551	492	508	0.8	0.8	7.188	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	272	68	1354	901	0.302	269	269	1.7	0.7	7.216	A
				3	378	95	1354	902	0.420	380	401	1.7	1.1	11.273	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	21	5	-	-	-	21	17	0.0	0.0	0.000	A
				2	764	191	-	-	-	764	778	0.0	0.0	0.000	A
				3	378	95	-	-	-	378	400	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

08:15 - 08:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	351	88	1112	711	0.495	350	357	1.9	1.0	10.895	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	320	80	1112	698	0.457	322	336	2.5	0.9	11.337	B
				4	40	10	1112	712	0.057	41	43	2.5	0.1	10.221	B
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	351	88	-	-	-	351	354	0.2	0.0	0.107	A
				3	320	80	-	-	-	320	330	0.2	0.0	0.128	A
				4	40	10	-	-	-	40	43	0.0	0.0	0.032	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	437	109	1051	830	0.526	442	455	1.2	0.8	11.167	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	772	193	1051	819	0.943	775	823	5.4	4.4	22.659	C
			3	1	462	116	1051	834	0.553	462	476	1.8	1.1	9.796	A
				2	0.43	0.11	169	136	0.003	0.43	0.71	0.0	0.0	10.034	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	392	98	-	-	-	437	454	70.1	14.7	165.143	F
				4	710	177	-	-	-	772	820	70.1	26.5	163.773	F
			2	1	462	116	-	-	-	462	473	0.3	0.0	0.521	A
				2	0.43	0.11	-	-	-	0.43	0.71	0.0	0.0	1.783	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	285	71	1106	691	0.412	287	282	0.8	0.6	8.580	A
			2	1	207	52	1106	702	0.296	207	214	0.6	0.4	7.029	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	304	76	1106	698	0.435	305	324	1.1	0.6	8.419	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	207	52	-	-	-	207	213	0.0	0.0	0.036	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	285	71	-	-	-	285	281	0.0	0.0	0.046	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	304	76	-	-	-	304	322	0.0	0.0	0.080	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	13	3	1306	848	0.016	13	14	0.8	0.0	5.574	A
				2	372	93	1354	983	0.378	373	379	0.8	0.5	5.146	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	234	58	1354	977	0.239	232	238	1.8	0.4	5.085	A
				3	313	78	1354	978	0.320	313	325	1.8	0.8	7.398	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	13	3	-	-	-	13	14	0.0	0.0	0.000	A
				2	606	151	-	-	-	606	615	0.0	0.0	0.000	A
				3	313	78	-	-	-	313	323	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

08:30 - 08:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	309	77	1112	763	0.405	311	317	1.0	0.6	8.590	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	258	65	1112	764	0.339	260	276	1.0	0.6	8.128	A
				4	36	9	1112	738	0.049	35	38	1.0	0.1	7.340	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	309	77	-	-	-	309	315	0.0	0.0	0.016	A
				3	258	65	-	-	-	258	275	0.0	0.0	0.007	A
				4	36	9	-	-	-	36	38	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	354	88	1051	861	0.411	357	391	0.8	0.5	8.472	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	639	160	1051	854	0.748	649	724	4.4	2.4	17.439	C
			3	1	375	94	1051	870	0.431	380	404	1.1	0.6	7.550	A
				2	0.64	0.16	150	126	0.005	0.64	0.64	0.0	0.0	5.826	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	324	81	-	-	-	354	390	41.2	1.8	54.304	F
				4	586	147	-	-	-	639	715	41.2	3.6	55.729	F
			2	1	375	94	-	-	-	375	402	0.0	0.0	0.088	A
				2	0.64	0.16	-	-	-	0.64	0.64	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	227	57	1106	756	0.301	226	236	0.6	0.5	7.399	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	166	42	1106	766	0.217	166	174	0.4	0.3	6.360	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	255	64	1106	759	0.336	263	268	0.6	0.4	7.747	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	166	42	-	-	-	166	173	0.0	0.0	0.026	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	227	57	-	-	-	227	235	0.0	0.0	0.047	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	255	64	-	-	-	255	267	0.0	0.0	0.109	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	11	3	1306	984	0.011	11	12	0.5	0.0	4.581	A
				2	290	72	1354	1036	0.280	290	305	0.5	0.3	4.308	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	209	52	1354	1039	0.201	209	212	1.1	0.2	4.276	A
				3	264	66	1354	1039	0.254	264	278	1.1	0.3	5.749	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	11	3	-	-	-	11	12	0.0	0.0	0.000	A
				2	498	125	-	-	-	498	515	0.0	0.0	0.000	A
				3	264	66	-	-	-	264	276	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

Base 2026 + Committed Development, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Geometry	4 - A1079 (W) - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Info	Simulation	A1 - [Lane Simulation]	This run uses Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	J17 - Dunswell Roundabout	Standard Roundabout		1, 2, 3, 4	84.68	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	84.68	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	Base 2026 + Committed Development	PM	ONE HOUR	15:45	17:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1 - A1174 (N)		ONE HOUR	✓	817	100.000
2 - A1033 (E)		ONE HOUR	✓	1661	100.000
3 - A1079 (S)		ONE HOUR	✓	1284	100.000
4 - A1079 (W)		ONE HOUR	✓	1022	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	461	317	39
	2 - A1033 (E)	419	1	432	809
	3 - A1079 (S)	253	669	0	362
	4 - A1079 (W)	9	761	252	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80

Heavy Vehicle %

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	1	1	0
	2 - A1033 (E)	2	0	1	5
	3 - A1079 (S)	3	1	0	4
	4 - A1079 (W)	11	3	5	0

Cyclist %

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	0	0	0
	2 - A1033 (E)	0	0	0	0
	3 - A1079 (S)	0	0	0	0
	4 - A1079 (W)	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
1 - A1174 (N)	94.84	30.6	F	749	1123
2 - A1033 (E)	144.28	76.1	F	1533	2299
3 - A1079 (S)	61.25	26.9	F	1182	1773
4 - A1079 (W)	9.41	3.6	A	945	1417

Main Results for each time segment

15:45 - 16:00

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	618	154	1273	610	624	532	0.0	1.6	8.306	A
2 - A1033 (E)	1260	315	465	1253	1267	1418	0.0	4.1	10.406	B
3 - A1079 (S)	985	246	954	998	987	763	0.0	1.7	8.555	A
4 - A1079 (W)	764	191	1043	763	791	908	0.0	1.2	4.881	A

16:00 - 16:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	713	178	1509	724	734	626	1.6	3.0	14.014	B
2 - A1033 (E)	1492	373	552	1466	1512	1679	4.1	10.9	17.744	C
3 - A1079 (S)	1132	283	1127	1136	1159	891	1.7	4.4	13.466	B
4 - A1079 (W)	939	235	1195	940	957	1069	1.2	2.2	5.920	A

16:15 - 16:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	860	215	1810	833	853	758	3.0	15.9	47.324	E
2 - A1033 (E)	1864	466	636	1701	1725	2007	10.9	49.0	67.715	F
3 - A1079 (S)	1424	356	1313	1389	1382	1024	4.4	18.5	33.612	D
4 - A1079 (W)	1143	286	1448	1121	1172	1255	2.2	3.6	8.807	A

16:30 - 16:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	941	235	1793	877	862	758	15.9	30.6	94.839	F
2 - A1033 (E)	1839	460	649	1775	1782	2021	49.0	75.6	140.868	F
3 - A1079 (S)	1419	355	1379	1383	1396	1045	18.5	27.1	61.247	F
4 - A1079 (W)	1114	278	1452	1099	1162	1310	3.6	3.5	9.408	A

16:45 - 17:00

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	738	184	1543	771	836	635	30.6	6.7	52.773	F
2 - A1033 (E)	1526	381	550	1632	1641	1764	75.6	53.0	144.279	F
3 - A1079 (S)	1154	288	1227	1167	1252	956	27.1	9.4	42.803	E
4 - A1079 (W)	943	236	1238	940	983	1155	3.5	1.6	7.049	A

17:00 - 17:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	625	156	1282	623	648	522	6.7	1.4	13.700	B
2 - A1033 (E)	1225	306	468	1338	1480	1436	53.0	6.2	54.041	F
3 - A1079 (S)	978	244	1014	988	1038	792	9.4	2.9	13.384	B
4 - A1079 (W)	772	193	1031	772	808	971	1.6	1.4	5.381	A

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

15:45 - 16:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	340	713	0.477	335	346	0.0	0.9	8.443	A
			2	1, 3, 4	278	712	0.391	276	278	0.0	0.7	8.135	A
		2	1	(1, 2, 3, 4)	618			618	631	0.0	0.0	0.000	A
	Exit	1	1		532			532	533	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	332	918	0.361	329	318	0.0	0.6	6.223	A
			2	4	603	882	0.684	597	626	0.0	2.4	11.999	B
			3	1, 2	325	898	0.362	327	323	0.0	0.5	5.781	A
		2	1	(3, 4)	935			935	956	0.0	0.7	1.986	A
			2	(1, 2)	325			325	325	0.0	0.0	0.003	A
	Exit	1	1		1418			1418	1430	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	276	792	0.351	283	286	0.0	0.4	6.864	A
			2	1	197	785	0.251	200	204	0.0	0.1	6.025	A
			3	2, 3	512	818	0.626	516	497	0.0	1.2	10.111	B
		2	1	(1, 4)	474			474	492	0.0	0.0	0.002	A
			2	(2, 3)	511			512	502	0.0	0.0	0.384	A
	Exit	1	1		763			763	765	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	328	969	0.337	325	344	0.0	0.5	4.403	A
			2	2, 3, 4	436	960	0.456	438	447	0.0	0.6	5.251	A
		2	1	(1, 2, 3, 4)	764			764	796	0.0	0.0	0.000	A
	Exit	1	1		908			908	943	0.0	0.0	0.000	A

16:00 - 16:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	390	633	0.615	392	405	0.9	2.0	14.990	B
			2	1, 3, 4	323	637	0.508	332	329	0.7	1.0	12.102	B
		2	1	(1, 2, 3, 4)	713			713	740	0.0	0.0	0.316	A
	Exit	1	1		626			626	638	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	365	890	0.408	372	376	0.6	0.7	7.350	A
			2	4	705	860	0.820	701	741	2.4	3.9	14.915	B
			3	1, 2	393	880	0.447	394	395	0.5	0.8	7.546	A
		2	1	(3, 4)	1102			1069	1124	0.7	5.5	8.929	A
			2	(1, 2)	392			393	396	0.0	0.0	0.057	A
	Exit	1	1		1679			1679	1709	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	337	745	0.452	335	339	0.4	0.8	8.180	A
			2	1	227	760	0.298	226	237	0.1	0.5	6.402	A
			3	2, 3	575	765	0.752	576	583	1.2	2.5	15.213	C
		2	1	(1, 4)	564			564	579	0.0	0.0	0.004	A
			2	(2, 3)	568			575	589	0.0	0.5	3.981	A
	Exit	1	1		891			891	900	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	427	898	0.474	432	432	0.5	0.7	5.259	A
			2	2, 3, 4	512	908	0.563	509	525	0.6	1.5	6.462	A
		2	1	(1, 2, 3, 4)	939			939	961	0.0	0.0	0.000	A
	Exit	1	1		1069			1069	1114	0.0	0.0	0.000	A

16:15 - 16:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	459	544	0.846	468	475	2.0	5.8	37.729	E
			2	1, 3, 4	373	540	0.691	365	377	1.0	2.6	20.717	C
		2	1	(1, 2, 3, 4)	860			832	875	0.0	7.5	16.255	C
	Exit	1	1		758			758	760	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	418	862	0.485	426	429	0.7	0.7	9.197	A
			2	4	807	822	0.980	808	834	3.9	5.2	22.328	C
			3	1, 2	471	856	0.551	467	462	0.8	1.0	8.805	A
		2	1	(3, 4)	1392			1225	1269	5.5	42.0	69.246	F
			2	(1, 2)	472			471	462	0.0	0.1	0.456	A
	Exit	1	1		2007			2007	2028	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	406	688	0.592	409	413	0.8	1.4	11.654	B
			2	1	285	698	0.408	285	286	0.5	0.5	8.234	A
			3	2, 3	696	709	0.983	696	683	2.5	5.2	24.253	C
		2	1	(1, 4)	692			691	702	0.0	0.0	0.301	A
			2	(2, 3)	731			696	693	0.5	11.3	30.589	D
	Exit	1	1		1024			1024	1059	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	511	817	0.625	503	530	0.7	1.4	8.230	A
			2	2, 3, 4	632	825	0.766	618	642	1.5	2.2	9.287	A
		2	1	(1, 2, 3, 4)	1143			1143	1178	0.0	0.0	0.000	A
	Exit	1	1		1255			1255	1285	0.0	0.0	0.000	A

16:30 - 16:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	516	548	0.939	505	490	5.8	8.5	51.685	F
			2	1, 3, 4	374	549	0.681	372	372	2.6	3.2	25.348	D
		2	1	(1, 2, 3, 4)	941			890	876	7.5	18.8	54.570	F
	Exit	1	1		758			758	770	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	432	864	0.502	433	434	0.7	1.2	9.616	A
			2	4	866	832	1.041	867	871	5.2	5.4	23.210	C
			3	1, 2	470	855	0.551	475	476	1.0	1.0	9.080	A
		2	1	(3, 4)	1366			1298	1309	42.0	68.1	167.117	F
			2	(1, 2)	471			470	476	0.1	0.0	0.195	A
	Exit	1	1		2021			2021	2065	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	411	674	0.611	405	404	1.4	2.0	11.679	B
			2	1	273	672	0.405	273	283	0.5	0.8	8.552	A
			3	2, 3	696	693	1.004	704	708	5.2	4.9	28.484	D
		2	1	(1, 4)	684			684	690	0.0	0.2	0.271	A
			2	(2, 3)	734			696	708	11.3	19.3	78.300	F
	Exit	1	1		1045			1045	1053	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	516	819	0.627	507	540	1.4	1.6	8.357	A
			2	2, 3, 4	599	827	0.724	592	622	2.2	1.9	10.324	B
		2	1	(1, 2, 3, 4)	1114			1114	1161	0.0	0.0	0.000	A
	Exit	1	1		1310			1310	1314	0.0	0.0	0.000	A

16:45 - 17:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	429	625	0.687	443	473	8.5	3.2	35.912	E
			2	1, 3, 4	333	625	0.534	327	363	3.2	1.5	19.375	C
		2	1	(1, 2, 3, 4)	738			762	808	18.8	1.9	25.522	D
	Exit	1	1		635			635	621	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	429	879	0.488	436	418	1.2	0.6	9.526	A
			2	4	816	849	0.960	822	851	5.4	4.9	23.020	C
			3	1, 2	376	889	0.424	374	373	1.0	0.6	7.335	A
		2	1	(3, 4)	1150			1245	1263	68.1	47.0	170.198	F
			2	(1, 2)	376			376	371	0.0	0.0	0.116	A
	Exit	1	1		1764			1764	1878	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	309	718	0.430	302	341	2.0	1.3	9.780	A
			2	1	249	723	0.344	250	240	0.8	0.3	6.770	A
			3	2, 3	614	732	0.840	614	671	4.9	3.8	23.480	C
		2	1	(1, 4)	558			558	577	0.2	0.0	0.262	A
			2	(2, 3)	597			614	667	19.3	3.9	51.969	F
	Exit	1	1		956			956	987	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	424	894	0.475	422	437	1.6	0.6	6.499	A
			2	2, 3, 4	519	888	0.583	517	546	1.9	1.0	7.486	A
		2	1	(1, 2, 3, 4)	943			943	976	0.0	0.0	0.000	A
	Exit	1	1		1155			1155	1228	0.0	0.0	0.000	A

17:00 - 17:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	338	709	0.477	339	366	3.2	0.7	14.317	B
			2	1, 3, 4	286	703	0.408	284	283	1.5	0.8	10.193	B
		2	1	(1, 2, 3, 4)	625			625	635	1.9	0.0	1.633	A
	Exit	1	1		522			522	532	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	347	915	0.379	353	394	0.6	0.4	9.269	A
			2	4	652	885	0.737	656	761	4.9	1.9	16.724	C
			3	1, 2	329	908	0.362	329	325	0.6	0.4	5.922	A
		2	1	(3, 4)	897			999	1143	47.0	3.4	57.131	F
			2	(1, 2)	329			329	324	0.0	0.0	0.014	A
	Exit	1	1		1436			1436	1512	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	285	765	0.371	286	293	1.3	0.7	8.398	A
			2	1	188	782	0.238	188	200	0.3	0.4	5.878	A
			3	2, 3	511	801	0.638	514	545	3.8	1.7	13.337	B
		2	1	(1, 4)	471			471	491	0.0	0.0	0.100	A
			2	(2, 3)	506			511	536	3.9	0.0	5.875	A
	Exit	1	1		792			792	846	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	337	961	0.351	339	352	0.6	0.4	4.956	A
			2	2, 3, 4	433	962	0.453	433	455	1.0	1.0	5.710	A
		2	1	(1, 2, 3, 4)	772			772	807	0.0	0.0	0.000	A
	Exit	1	1		971			971	1083	0.0	0.0	0.000	A

Lane movements: Main Results for each time segment

15:45 - 16:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	340	85	1112	712	0.477	335	346	0.0	0.9	8.443	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	248	62	1112	711	0.349	245	247	0.0	0.7	8.173	A
				4	30	7	1112	710	0.042	31	31	0.0	0.0	7.837	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	340	85	-	-	-	340	350	0.0	0.0	0.000	A
				3	248	62	-	-	-	248	250	0.0	0.0	0.000	A
				4	30	7	-	-	-	30	31	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	332	83	1051	917	0.361	329	318	0.0	0.6	6.223	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	603	151	1051	881	0.685	597	626	0.0	2.4	11.999	B
			3	1	324	81	1051	899	0.362	326	323	0.0	0.5	5.784	A
				2	0.48	0.12	126	115	0.004	0.48	0.48	0.0	0.0	3.638	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	330	83	-	-	-	332	320	0.0	0.2	1.752	A
				4	604	151	-	-	-	603	636	0.0	0.5	2.110	A
			2	1	324	81	-	-	-	324	325	0.0	0.0	0.003	A
				2	0.48	0.12	-	-	-	0.48	0.48	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	276	69	1106	793	0.351	283	286	0.0	0.4	6.864	A
			2	1	197	49	1106	785	0.251	200	204	0.0	0.1	6.025	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	512	128	1106	819	0.626	516	497	0.0	1.2	10.111	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	197	49	-	-	-	197	205	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	276	69	-	-	-	276	288	0.0	0.0	0.003	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	511	128	-	-	-	512	502	0.0	0.0	0.384	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	6	1	975	720	0.008	6	6	0.0	0.0	4.765	A
				2	321	80	1354	968	0.332	319	338	0.0	0.5	4.398	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	252	63	1354	964	0.263	249	248	0.0	0.5	4.466	A
				3	184	46	1354	958	0.192	189	199	0.0	0.2	6.253	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	6	1	-	-	-	6	6	0.0	0.0	0.000	A
				2	574	143	-	-	-	574	590	0.0	0.0	0.000	A
				3	184	46	-	-	-	184	200	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

16:00 - 16:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	390	98	1112	632	0.615	392	405	0.9	2.0	14.990	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	291	73	1112	636	0.458	299	294	0.7	1.0	12.283	B
				4	32	8	1112	637	0.050	33	35	0.7	0.0	10.584	B
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	390	98	-	-	-	390	410	0.0	0.0	0.326	A
				3	291	73	-	-	-	291	296	0.0	0.0	0.314	A
				4	32	8	-	-	-	32	35	0.0	0.0	0.227	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	365	91	1051	890	0.408	372	376	0.6	0.7	7.350	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	705	176	1051	860	0.820	701	741	2.4	3.9	14.915	B
			3	1	391	98	1051	880	0.446	392	394	0.5	0.8	7.539	A
				2	1	0.36	252	215	0.007	1	0.96	0.0	0.0	10.209	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	376	94	-	-	-	365	377	0.7	1.7	7.905	A
				4	724	181	-	-	-	705	747	0.7	3.8	9.464	A
			2	1	390	98	-	-	-	391	395	0.0	0.0	0.056	A
				2	1	0.36	-	-	-	1	0.96	0.0	0.0	0.267	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	337	84	1106	745	0.452	335	339	0.4	0.8	8.180	A
			2	1	227	57	1106	760	0.298	226	237	0.1	0.5	6.402	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	575	144	1106	765	0.752	576	583	1.2	2.5	15.213	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	227	57	-	-	-	227	238	0.0	0.0	0.002	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	337	84	-	-	-	337	341	0.0	0.0	0.006	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	568	142	-	-	-	575	589	0.0	0.5	3.981	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	9	2	1191	703	0.012	9	8	0.0	0.0	6.125	A
				2	418	105	1354	899	0.464	423	424	0.5	0.7	5.244	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	287	72	1354	909	0.315	289	296	0.6	0.4	5.312	A
				3	225	56	1354	899	0.250	220	230	0.6	1.1	7.932	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	9	2	-	-	-	9	8	0.0	0.0	0.000	A
				2	705	176	-	-	-	705	720	0.0	0.0	0.000	A
				3	225	56	-	-	-	225	234	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

16:15 - 16:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	459	115	1112	544	0.847	468	475	2.0	5.8	37.729	E
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	335	84	1112	541	0.619	326	340	1.0	2.4	20.489	C
				4	38	9	1112	551	0.069	38	38	1.0	0.2	22.745	C
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	476	119	-	-	-	459	491	0.0	4.5	17.125	C
				3	347	87	-	-	-	335	345	0.0	2.7	15.150	C
				4	37	9	-	-	-	38	38	0.0	0.3	14.993	B
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	418	105	1051	860	0.486	426	429	0.7	0.7	9.197	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	807	202	1051	822	0.980	808	834	3.9	5.2	22.328	C
			3	1	469	117	1051	855	0.549	465	460	0.8	1.0	8.790	A
				2	1	0.36	336	281	0.005	1	2	0.0	0.0	13.017	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	492	123	-	-	-	418	429	5.5	15.4	68.804	F
				4	901	225	-	-	-	807	840	5.5	26.7	69.485	F
			2	1	470	118	-	-	-	469	461	0.0	0.1	0.451	A
				2	1	0.36	-	-	-	1	2	0.0	0.0	1.787	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	406	102	1106	689	0.590	409	413	0.8	1.4	11.654	B
			2	1	285	71	1106	701	0.407	285	286	0.5	0.5	8.234	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	696	174	1106	709	0.983	696	683	2.5	5.2	24.253	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	285	71	-	-	-	285	287	0.0	0.0	0.223	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	407	102	-	-	-	406	415	0.0	0.0	0.356	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	731	183	-	-	-	696	693	0.5	11.3	30.589	D
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	8	2	1246	607	0.013	9	13	0.0	0.0	8.629	A
				2	503	126	1354	820	0.613	494	517	0.7	1.4	8.221	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	350	88	1354	830	0.422	347	352	1.5	0.8	8.091	A
				3	281	70	1354	818	0.345	271	290	1.5	1.4	10.765	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	8	2	-	-	-	8	13	0.0	0.0	0.000	A
				2	853	213	-	-	-	853	873	0.0	0.0	0.000	A
				3	281	70	-	-	-	281	292	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

16:30 - 16:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	516	129	1112	548	0.938	505	490	5.8	8.5	51.685	F
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	342	85	1112	549	0.621	334	334	2.6	2.9	25.318	D
				4	33	8	1112	561	0.058	37	38	2.6	0.3	25.610	D
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	540	135	-	-	-	516	501	7.5	10.5	54.137	F
				3	369	92	-	-	-	342	336	7.5	7.8	55.593	F
				4	32	8	-	-	-	33	39	7.5	0.5	51.159	F
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	432	108	1051	866	0.501	433	434	0.7	1.2	9.616	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	866	217	1051	832	1.041	867	871	5.2	5.4	23.210	C
			3	1	469	117	1051	856	0.549	473	475	1.0	1.0	9.070	A
				2	1	0.36	294	249	0.006	1	1	0.0	0.0	12.208	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	439	110	-	-	-	432	437	42.0	22.2	167.347	F
				4	926	232	-	-	-	866	872	42.0	45.8	167.001	F
			2	1	469	117	-	-	-	469	474	0.1	0.0	0.195	A
				2	1	0.36	-	-	-	1	1	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	411	103	1106	675	0.611	405	404	1.4	2.0	11.679	B
			2	1	273	68	1106	672	0.405	273	283	0.5	0.8	8.552	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	696	174	1106	693	1.004	704	708	5.2	4.9	28.484	D
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	273	68	-	-	-	273	284	0.0	0.0	0.272	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	412	103	-	-	-	411	406	0.0	0.1	0.270	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	734	184	-	-	-	696	708	11.3	19.3	78.300	F
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	12	3	1191	724	0.016	12	12	0.0	0.0	9.620	A
				2	504	126	1354	819	0.613	495	527	1.4	1.6	8.329	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	319	80	1354	830	0.384	314	337	2.2	0.9	8.879	A
				3	279	70	1354	824	0.339	278	285	2.2	1.0	12.082	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	12	3	-	-	-	12	12	0.0	0.0	0.000	A
				2	823	206	-	-	-	823	866	0.0	0.0	0.000	A
				3	279	70	-	-	-	279	282	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

16:45 - 17:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	429	107	1112	625	0.687	443	473	8.5	3.2	35.912	E
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	304	76	1112	625	0.487	297	328	3.2	1.4	19.268	C
				4	29	7	1112	619	0.047	31	36	3.2	0.1	20.367	C
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	418	105	-	-	-	429	452	18.8	1.2	26.595	D
				3	291	73	-	-	-	304	322	18.8	0.6	24.572	C
				4	29	7	-	-	-	29	35	18.8	0.1	20.484	C
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	429	107	1051	881	0.487	436	418	1.2	0.6	9.526	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	816	204	1051	849	0.960	822	851	5.4	4.9	23.020	C
			3	1	376	94	1051	890	0.423	374	372	1.0	0.6	7.322	A
				2	0	0	42	33	0.000	0	0.32	0.0	0.0	22.608	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	395	99	-	-	-	429	415	68.1	16.4	172.368	F
				4	754	189	-	-	-	816	849	68.1	30.6	169.074	F
			2	1	376	94	-	-	-	376	371	0.0	0.0	0.111	A
				2	0	0	-	-	-	0	0.32	0.0	0.0	5.924	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	309	77	1106	718	0.430	302	341	2.0	1.3	9.780	A
			2	1	249	62	1106	724	0.343	250	240	0.8	0.3	6.770	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	614	153	1106	732	0.839	614	671	4.9	3.8	23.480	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	249	62	-	-	-	249	238	0.2	0.0	0.214	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	309	77	-	-	-	309	339	0.2	0.0	0.296	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	597	149	-	-	-	614	667	19.3	3.9	51.969	F
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	11	3	1191	714	0.015	11	8	0.0	0.0	8.874	A
				2	414	103	1354	896	0.462	412	428	1.6	0.6	6.453	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	297	74	1354	891	0.332	295	305	1.9	0.5	6.273	A
				3	223	56	1354	885	0.251	223	241	1.9	0.6	9.052	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	11	3	-	-	-	11	8	0.0	0.0	0.000	A
				2	710	177	-	-	-	710	728	0.0	0.0	0.000	A
				3	223	56	-	-	-	223	239	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

17:00 - 17:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	338	84	1112	706	0.479	339	366	3.2	0.7	14.317	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	256	64	1112	700	0.367	254	253	1.5	0.6	10.013	B
				4	30	8	1112	707	0.043	29	29	1.5	0.1	11.714	B
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	338	84	-	-	-	338	355	1.9	0.0	1.704	A
				3	256	64	-	-	-	256	250	1.9	0.0	1.578	A
				4	30	8	-	-	-	30	29	1.9	0.0	1.246	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	347	87	1051	916	0.379	353	394	0.6	0.4	9.269	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	652	163	1051	885	0.737	656	761	4.9	1.9	16.724	C
			3	1	327	82	1051	908	0.360	327	324	0.6	0.4	5.912	A
				2	1	0.36	210	184	0.008	1	0.80	0.0	0.0	9.827	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	315	79	-	-	-	347	394	47.0	1.2	58.454	F
				4	582	145	-	-	-	652	749	47.0	2.2	56.408	F
			2	1	327	82	-	-	-	327	323	0.0	0.0	0.014	A
				2	1	0.36	-	-	-	1	0.80	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	285	71	1106	766	0.370	286	293	1.3	0.7	8.398	A
			2	1	188	47	1106	781	0.238	188	200	0.3	0.4	5.878	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	511	128	1106	801	0.637	514	545	3.8	1.7	13.337	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	188	47	-	-	-	188	200	0.0	0.0	0.088	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	285	71	-	-	-	285	290	0.0	0.0	0.108	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	506	127	-	-	-	511	536	3.9	0.0	5.875	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	6	1	1137	705	0.008	6	8	0.0	0.0	5.403	A
				2	332	83	1354	962	0.344	334	344	0.6	0.4	4.946	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	248	62	1354	973	0.254	248	257	1.0	0.4	5.024	A
				3	187	47	1354	946	0.198	185	198	1.0	0.6	6.615	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	6	1	-	-	-	6	8	0.0	0.0	0.000	A
				2	579	145	-	-	-	579	600	0.0	0.0	0.000	A
				3	187	47	-	-	-	187	198	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

Base 2026 + Committed Development + Isolation Scenario, AM

Data Errors and Warnings

Severity	Area	Item	Description
Last Run	Simulation	2 - A1033 (E)	Arm 2: Queue at end of modelled period is greater than 10 PCU. Delay is likely to have been underestimated.
Warning	Geometry	4 - A1079 (W) - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Info	Simulation	A1 - [Lane Simulation]	This run uses Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	J17 - Dunswell Roundabout	Standard Roundabout		1, 2, 3, 4	104.81	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	104.81	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D5	Base 2026 + Committed Development + Isolation Scenario	AM	ONE HOUR	07:15	08:45	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1 - A1174 (N)		ONE HOUR	✓	788	100.000
2 - A1033 (E)		ONE HOUR	✓	1797	100.000
3 - A1079 (S)		ONE HOUR	✓	878	100.000
4 - A1079 (W)		ONE HOUR	✓	1086	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	391	349	48
	2 - A1033 (E)	520	1	490	786
	3 - A1079 (S)	231	344	0	303
	4 - A1079 (W)	15	705	352	14

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80

Heavy Vehicle %

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	3	4	4
	2 - A1033 (E)	3	0	3	10
	3 - A1079 (S)	3	4	0	5
	4 - A1079 (W)	7	8	3	3

Cyclist %

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	0	0	0
	2 - A1033 (E)	0	0	0	0
	3 - A1079 (S)	0	0	0	0
	4 - A1079 (W)	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
1 - A1174 (N)	30.04	7.3	D	729	1094
2 - A1033 (E)	237.76	123.3	F	1658	2486
3 - A1079 (S)	11.57	3.4	B	792	1188
4 - A1079 (W)	9.97	3.5	A	994	1491

Main Results for each time segment

07:15 - 07:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	616	154	1048	619	610	591	0.0	1.0	7.645	A
2 - A1033 (E)	1366	342	578	1385	1416	1089	0.0	4.4	13.033	B
3 - A1079 (S)	650	163	1044	647	670	920	0.0	1.6	6.713	A
4 - A1079 (W)	810	202	834	805	853	857	0.0	1.4	5.029	A

07:30 - 07:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	705	176	1266	701	725	700	1.0	2.5	10.756	B
2 - A1033 (E)	1624	406	669	1595	1689	1297	4.4	16.6	27.849	D
3 - A1079 (S)	809	202	1244	813	829	1020	1.6	1.9	8.806	A
4 - A1079 (W)	957	239	1005	960	1032	1051	1.4	1.3	6.483	A

07:45 - 08:00

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	872	218	1555	868	873	842	2.5	6.6	22.451	C
2 - A1033 (E)	1984	496	857	1751	1847	1566	16.6	74.1	99.992	F
3 - A1079 (S)	939	235	1376	952	989	1232	1.9	2.4	10.956	B
4 - A1079 (W)	1197	299	1192	1204	1268	1136	1.3	3.3	9.706	A

08:00 - 08:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	867	217	1539	857	881	845	6.6	7.3	30.037	D
2 - A1033 (E)	1967	492	845	1739	1880	1551	74.1	121.4	208.810	F
3 - A1079 (S)	945	236	1354	943	1003	1229	2.4	3.4	11.567	B
4 - A1079 (W)	1197	299	1187	1197	1261	1110	3.3	3.5	9.966	A

08:15 - 08:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	716	179	1257	704	761	689	7.3	3.0	13.794	B
2 - A1033 (E)	1628	407	678	1741	1804	1283	121.4	103.5	237.757	F
3 - A1079 (S)	768	192	1298	764	820	1121	3.4	1.8	9.085	A
4 - A1079 (W)	984	246	965	981	1043	1098	3.5	1.9	6.926	A

08:30 - 08:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	601	150	1071	596	619	573	3.0	1.5	8.213	A
2 - A1033 (E)	1371	343	580	1573	1739	1086	103.5	35.6	128.101	F
3 - A1079 (S)	642	160	1168	641	688	987	1.8	1.5	7.758	A
4 - A1079 (W)	823	206	818	825	868	991	1.9	0.9	5.192	A

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

07:15 - 07:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	318	761	0.419	320	302	0.0	0.4	7.326	A
			2	1, 3, 4	297	742	0.401	299	308	0.0	0.5	7.960	A
		2	1	(1, 2, 3, 4)	616			616	614	0.0	0.0	0.001	A
	Exit	1	1		591			591	594	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	380	856	0.444	385	371	0.0	0.6	7.368	A
			2	4	587	809	0.726	592	636	0.0	2.0	13.470	B
			3	1, 2	413	856	0.482	407	409	0.0	1.1	8.067	A
		2	1	(3, 4)	953			968	1019	0.0	0.7	3.920	A
			2	(1, 2)	413			413	413	0.0	0.0	0.140	A
	Exit	1	1		1089			1089	1125	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	221	751	0.295	220	232	0.0	0.4	6.395	A
			2	1	171	772	0.221	169	175	0.0	0.4	6.024	A
			3	2, 3	258	761	0.338	257	263	0.0	0.7	7.428	A
		2	1	(1, 4)	393			393	411	0.0	0.0	0.001	A
			2	(2, 3)	258			258	266	0.0	0.0	0.025	A
	Exit	1	1		920			920	914	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	327	979	0.335	324	348	0.0	0.6	4.330	A
			2	2, 3, 4	483	1012	0.478	480	505	0.0	0.8	5.499	A
		2	1	(1, 2, 3, 4)	810			810	859	0.0	0.0	0.000	A
	Exit	1	1		857			857	916	0.0	0.0	0.000	A

07:30 - 07:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	356	679	0.525	353	364	0.4	1.4	10.811	B
			2	1, 3, 4	348	673	0.519	349	361	0.5	1.2	10.696	B
		2	1	(1, 2, 3, 4)	705			705	731	0.0	0.0	0.002	A
	Exit	1	1		700			700	724	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	405	836	0.483	405	429	0.6	1.4	9.200	A
			2	4	705	779	0.909	711	766	2.0	3.6	18.903	C
			3	1, 2	480	840	0.571	479	494	1.1	1.4	9.631	A
		2	1	(3, 4)	1145			1110	1206	0.7	10.2	19.929	C
			2	(1, 2)	479			480	495	0.0	0.0	0.310	A
	Exit	1	1		1297			1297	1371	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	288	698	0.414	286	285	0.4	0.7	8.534	A
			2	1	205	699	0.294	205	216	0.4	0.4	7.434	A
			3	2, 3	316	700	0.451	321	329	0.7	0.8	9.529	A
		2	1	(1, 4)	494			494	502	0.0	0.0	0.179	A
			2	(2, 3)	315			316	329	0.0	0.0	0.142	A
	Exit	1	1		1020			1020	1073	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	395	913	0.433	397	430	0.6	0.3	5.741	A
			2	2, 3, 4	562	948	0.593	563	602	0.8	1.0	6.996	A
		2	1	(1, 2, 3, 4)	957			957	1032	0.0	0.0	0.000	A
	Exit	1	1		1051			1051	1107	0.0	0.0	0.000	A

07:45 - 08:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	416	589	0.705	417	426	1.4	2.4	19.456	C
			2	1, 3, 4	452	587	0.770	450	447	1.2	3.2	22.560	C
		2	1	(1, 2, 3, 4)	872			868	886	0.0	0.9	1.336	A
	Exit	1	1		842			842	860	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	446	787	0.567	443	457	1.4	1.7	12.513	B
			2	4	731	735	0.992	735	804	3.6	4.7	23.698	C
			3	1, 2	576	792	0.727	573	585	1.4	2.5	13.689	B
		2	1	(3, 4)	1406			1177	1267	10.2	64.6	115.162	F
			2	(1, 2)	579			576	590	0.0	0.7	2.366	A
	Exit	1	1		1566			1566	1646	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	328	660	0.497	333	344	0.7	0.7	10.539	B
			2	1	251	673	0.372	253	257	0.4	0.5	8.542	A
			3	2, 3	363	659	0.550	367	387	0.8	1.1	11.855	B
		2	1	(1, 4)	577			579	602	0.0	0.0	0.377	A
			2	(2, 3)	363			363	389	0.0	0.0	0.502	A
	Exit	1	1		1232			1232	1253	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	506	864	0.585	512	554	0.3	1.3	8.637	A
			2	2, 3, 4	691	893	0.774	693	714	1.0	2.0	10.497	B
		2	1	(1, 2, 3, 4)	1197			1197	1276	0.0	0.0	0.008	A
	Exit	1	1		1136			1136	1218	0.0	0.0	0.000	A

08:00 - 08:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	427	601	0.711	424	428	2.4	2.6	20.968	C
			2	1, 3, 4	438	586	0.744	433	453	3.2	3.2	24.704	C
		2	1	(1, 2, 3, 4)	867			865	882	0.9	1.6	7.087	A
	Exit	1	1		845			845	863	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	451	783	0.575	453	491	1.7	1.7	12.913	B
			2	4	709	738	0.963	711	808	4.7	4.9	24.601	C
			3	1, 2	578	783	0.738	574	582	2.5	2.6	13.377	B
		2	1	(3, 4)	1389			1160	1299	64.6	111.8	266.350	F
			2	(1, 2)	578			578	582	0.7	0.5	2.200	A
	Exit	1	1		1551			1551	1649	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	330	656	0.502	330	349	0.7	1.2	10.965	B
			2	1	256	670	0.382	259	264	0.5	0.5	9.357	A
			3	2, 3	356	666	0.533	354	389	1.1	1.4	12.352	B
		2	1	(1, 4)	589			586	616	0.0	0.3	0.297	A
			2	(2, 3)	357			356	390	0.0	0.1	0.760	A
	Exit	1	1		1229			1229	1281	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	515	860	0.597	517	560	1.3	1.3	8.480	A
			2	2, 3, 4	682	888	0.767	679	701	2.0	2.2	11.075	B
		2	1	(1, 2, 3, 4)	1197			1197	1261	0.0	0.0	0.023	A
	Exit	1	1		1110			1110	1232	0.0	0.0	0.000	A

08:15 - 08:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	360	683	0.527	352	376	2.6	1.7	12.339	B
			2	1, 3, 4	356	677	0.527	353	386	3.2	1.4	14.057	B
		2	1	(1, 2, 3, 4)	716			716	750	1.6	0.0	0.844	A
	Exit	1	1		689			689	716	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	493	834	0.593	494	489	1.7	1.3	12.811	B
			2	4	780	786	1.001	785	827	4.9	4.7	23.448	C
			3	1, 2	462	838	0.551	464	489	2.6	1.1	10.279	B
		2	1	(3, 4)	1164			1273	1315	111.8	96.2	310.418	F
			2	(1, 2)	464			462	483	0.5	0.1	0.436	A
	Exit	1	1		1283			1283	1389	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	263	679	0.386	263	287	1.2	0.6	9.502	A
			2	1	212	685	0.309	212	213	0.5	0.4	7.673	A
			3	2, 3	293	675	0.435	289	320	1.4	0.8	9.498	A
		2	1	(1, 4)	475			475	498	0.3	0.0	0.081	A
			2	(2, 3)	293			293	318	0.1	0.0	0.117	A
	Exit	1	1		1121			1121	1150	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	410	936	0.439	410	445	1.3	0.5	6.136	A
			2	2, 3, 4	574	963	0.595	571	598	2.2	1.3	7.499	A
		2	1	(1, 2, 3, 4)	984			984	1036	0.0	0.0	0.000	A
	Exit	1	1		1098			1098	1174	0.0	0.0	0.000	A

08:30 - 08:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	298	747	0.400	296	305	1.7	0.7	8.013	A
			2	1, 3, 4	303	737	0.411	300	314	1.4	0.8	8.409	A
		2	1	(1, 2, 3, 4)	601			601	612	0.0	0.0	0.000	A
	Exit	1	1		573			573	597	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	449	866	0.519	450	498	1.3	0.7	10.732	B
			2	4	724	804	0.897	724	833	4.7	4.3	21.309	C
			3	1, 2	402	861	0.466	399	408	1.1	0.8	8.395	A
		2	1	(3, 4)	969			1172	1324	96.2	29.7	163.369	F
			2	(1, 2)	402			402	407	0.1	0.0	0.192	A
	Exit	1	1		1086			1086	1148	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	223	716	0.312	222	238	0.6	0.7	8.046	A
			2	1	165	734	0.225	164	178	0.4	0.4	7.013	A
			3	2, 3	253	725	0.349	256	272	0.8	0.4	7.932	A
		2	1	(1, 4)	388			388	418	0.0	0.0	0.027	A
			2	(2, 3)	253			253	270	0.0	0.0	0.029	A
	Exit	1	1		987			987	1052	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	321	979	0.328	323	351	0.5	0.3	4.514	A
			2	2, 3, 4	502	1012	0.495	502	517	1.3	0.7	5.640	A
		2	1	(1, 2, 3, 4)	823			823	864	0.0	0.0	0.000	A
	Exit	1	1		991			991	1117	0.0	0.0	0.000	A

Lane movements: Main Results for each time segment

07:15 - 07:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	318	80	1112	761	0.419	320	302	0.0	0.4	7.326	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	260	65	1112	745	0.350	263	269	0.0	0.4	7.909	A
				4	37	9	1112	732	0.051	37	39	0.0	0.1	8.314	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	318	80	-	-	-	318	304	0.0	0.0	0.001	A
				3	260	65	-	-	-	260	271	0.0	0.0	0.002	A
				4	37	9	-	-	-	37	39	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	380	95	1051	855	0.445	385	371	0.0	0.6	7.368	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	587	147	1051	808	0.727	592	636	0.0	2.0	13.470	B
			3	1	412	103	1051	855	0.482	407	408	0.0	1.1	8.069	A
				2	0.28	0.07	122	103	0.003	0	0.37	0.0	0.0	6.603	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	376	94	-	-	-	380	374	0.0	0.3	3.665	A
				4	577	144	-	-	-	587	645	0.0	0.4	4.078	A
			2	1	413	103	-	-	-	412	413	0.0	0.0	0.140	A
				2	0.28	0.07	-	-	-	0.28	0.47	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	221	55	1106	753	0.294	220	232	0.0	0.4	6.395	A
			2	1	171	43	1106	774	0.220	169	175	0.0	0.4	6.024	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	258	64	1106	761	0.338	257	263	0.0	0.7	7.428	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	171	43	-	-	-	171	177	0.0	0.0	0.001	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	221	55	-	-	-	221	234	0.0	0.0	0.001	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	258	64	-	-	-	258	266	0.0	0.0	0.025	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	13	3	1322	967	0.014	14	11	0.0	0.0	4.615	A
				2	314	78	1354	980	0.320	311	336	0.0	0.6	4.320	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	201	50	1354	988	0.203	201	223	0.0	0.3	4.521	A
				3	274	68	1354	1031	0.265	272	274	0.0	0.5	6.225	A
				4	8	2	1165	854	0.009	8	9	0.0	0.0	6.391	A
		2	1	1	13	3	-	-	-	13	11	0.0	0.0	0.000	A
				2	515	129	-	-	-	515	563	0.0	0.0	0.000	A
				3	274	68	-	-	-	274	276	0.0	0.0	0.000	A
				4	8	2	-	-	-	8	9	0.0	0.0	0.000	A

07:30 - 07:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	356	89	1112	679	0.525	353	364	0.4	1.4	10.811	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	306	77	1112	673	0.455	306	319	0.5	1.0	10.766	B
				4	42	11	1112	665	0.064	42	42	0.5	0.1	10.154	B
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	356	89	-	-	-	356	368	0.0	0.0	0.002	A
				3	306	77	-	-	-	306	322	0.0	0.0	0.001	A
				4	42	11	-	-	-	42	42	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	405	101	1051	837	0.483	405	429	0.6	1.4	9.200	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	705	176	1051	779	0.909	711	766	2.0	3.6	18.903	C
			3	1	479	120	1051	839	0.571	478	493	1.1	1.4	9.631	A
				2	0.56	0.14	147	120	0.005	0.56	0.56	1.1	0.0	8.931	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	421	105	-	-	-	405	433	0.7	3.6	19.209	C
				4	724	181	-	-	-	705	773	0.7	6.6	20.360	C
			2	1	478	120	-	-	-	479	495	0.0	0.0	0.310	A
				2	0.56	0.14	-	-	-	0.56	0.47	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	288	72	1106	699	0.414	286	285	0.4	0.7	8.534	A
			2	1	205	51	1106	701	0.293	205	216	0.4	0.4	7.434	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	316	79	1106	701	0.450	321	329	0.7	0.8	9.529	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	205	51	-	-	-	205	216	0.0	0.0	0.173	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	288	72	-	-	-	288	286	0.0	0.0	0.184	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	315	79	-	-	-	316	329	0.0	0.0	0.142	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	16	4	1291	918	0.017	16	15	0.6	0.0	6.471	A
				2	379	95	1354	911	0.415	381	416	0.6	0.3	5.713	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	241	60	1354	921	0.263	241	262	0.8	0.3	5.558	A
				3	309	77	1354	969	0.319	309	324	0.8	0.6	8.056	A
				4	12	3	1354	981	0.012	12	15	0.0	0.0	7.696	A
		2	1	1	16	4	-	-	-	16	15	0.0	0.0	0.000	A
				2	620	155	-	-	-	620	677	0.0	0.0	0.000	A
				3	309	77	-	-	-	309	325	0.0	0.0	0.000	A
				4	12	3	-	-	-	12	15	0.0	0.0	0.000	A

07:45 - 08:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	416	104	1112	589	0.706	417	426	1.4	2.4	19.456	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	399	100	1112	587	0.678	397	394	1.2	2.9	22.598	C
				4	54	13	1112	566	0.095	53	54	1.2	0.3	22.279	C
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	418	104	-	-	-	416	430	0.0	0.4	1.224	A
				3	400	100	-	-	-	399	401	0.0	0.4	1.406	A
				4	54	13	-	-	-	54	55	0.0	0.1	1.717	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	446	111	1051	786	0.567	443	457	1.4	1.7	12.513	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	731	183	1051	735	0.993	735	804	3.6	4.7	23.698	C
			3	1	575	144	1051	791	0.726	572	584	1.4	2.5	13.702	B
				2	0.84	0.21	195	152	0.006	0.84	1	0.0	0.0	6.551	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	555	139	-	-	-	446	459	10.2	25.8	115.177	F
				4	851	213	-	-	-	731	808	10.2	38.8	115.153	F
			2	1	577	144	-	-	-	575	589	0.0	0.7	2.369	A
				2	0.84	0.21	-	-	-	0.84	1	0.0	0.0	0.348	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	328	82	1106	659	0.497	333	344	0.7	0.7	10.539	B
			2	1	251	63	1106	675	0.371	253	257	0.4	0.5	8.542	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	363	91	1106	659	0.550	367	387	0.8	1.1	11.855	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	249	62	-	-	-	251	258	0.0	0.0	0.340	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	327	82	-	-	-	328	344	0.0	0.0	0.405	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	363	91	-	-	-	363	389	0.0	0.0	0.502	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	17	4	1354	861	0.019	17	18	0.0	0.0	9.467	A
				2	489	122	1354	863	0.566	494	536	0.3	1.3	8.609	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	287	72	1354	873	0.328	286	297	1.0	0.7	8.107	A
				3	392	98	1354	907	0.432	392	402	1.0	1.3	12.125	B
				4	14	3	1354	939	0.015	14	15	1.0	0.0	11.766	B
		2	1	1	17	4	-	-	-	17	18	0.0	0.0	0.000	A
				2	775	194	-	-	-	775	838	0.0	0.0	0.009	A
				3	392	98	-	-	-	392	405	0.0	0.0	0.007	A
				4	14	3	-	-	-	14	15	0.0	0.0	0.000	A

08:00 - 08:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	427	107	1112	600	0.712	424	428	2.4	2.6	20.968	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	383	96	1112	588	0.649	382	395	3.2	2.7	24.582	C
				4	55	14	1112	579	0.095	51	58	3.2	0.5	25.533	D
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	429	107	-	-	-	427	429	0.9	0.8	6.795	A
				3	384	96	-	-	-	383	394	0.9	0.7	7.184	A
				4	54	13	-	-	-	55	59	0.9	0.1	8.637	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	451	113	1051	782	0.575	453	491	1.7	1.7	12.913	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	709	177	1051	738	0.963	711	808	4.7	4.9	24.601	C
			3	1	577	144	1051	782	0.737	573	581	2.5	2.6	13.386	B
				2	1	0.35	269	210	0.007	1	1	0.0	0.0	9.466	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	546	137	-	-	-	451	491	64.6	43.5	265.742	F
				4	843	211	-	-	-	709	809	64.6	68.3	266.740	F
			2	1	577	144	-	-	-	577	581	0.7	0.5	2.204	A
				2	1	0.35	-	-	-	1	1	0.0	0.0	0.231	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	330	83	1106	657	0.501	330	349	0.7	1.2	10.965	B
			2	1	256	64	1106	669	0.382	259	264	0.5	0.5	9.357	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	356	89	1106	665	0.534	354	389	1.1	1.4	12.352	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	256	64	-	-	-	256	264	0.0	0.1	0.275	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	333	83	-	-	-	330	351	0.0	0.2	0.314	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	357	89	-	-	-	356	390	0.0	0.1	0.760	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	14	3	1354	810	0.017	14	18	1.3	0.1	8.620	A
				2	501	125	1354	861	0.581	504	542	1.3	1.3	8.475	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	266	66	1354	872	0.305	267	289	2.0	0.7	8.706	A
				3	396	99	1354	900	0.440	393	395	2.0	1.4	12.683	B
				4	20	5	1354	903	0.022	19	17	0.0	0.1	12.176	B
		2	1	1	14	3	-	-	-	14	18	0.0	0.0	0.104	A
				2	767	192	-	-	-	767	830	0.0	0.0	0.026	A
				3	396	99	-	-	-	396	396	0.0	0.0	0.014	A
				4	20	5	-	-	-	20	17	0.0	0.0	0.000	A

08:15 - 08:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	360	90	1112	683	0.527	352	376	2.6	1.7	12.339	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	315	79	1112	679	0.465	311	339	3.2	1.2	14.046	B
				4	42	10	1112	674	0.061	42	47	3.2	0.2	14.142	B
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	360	90	-	-	-	360	372	1.6	0.0	0.783	A
				3	315	79	-	-	-	315	333	1.6	0.0	0.895	A
				4	42	10	-	-	-	42	46	1.6	0.0	0.967	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	493	123	1051	832	0.593	494	489	1.7	1.3	12.811	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	780	195	1051	786	1.001	785	827	4.9	4.7	23.448	C
			3	1	462	115	1051	839	0.550	464	488	2.6	1.1	10.275	B
				2	0.56	0.14	171	137	0.004	0.56	0.65	0.0	0.0	13.322	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	454	114	-	-	-	493	488	111.8	37.9	311.321	F
				4	710	178	-	-	-	780	827	111.8	58.3	309.847	F
			2	1	463	116	-	-	-	462	482	0.5	0.1	0.436	A
				2	0.56	0.14	-	-	-	0.56	0.65	0.0	0.0	0.276	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	263	66	1106	678	0.386	263	287	1.2	0.6	9.502	A
			2	1	212	53	1106	686	0.309	212	213	0.5	0.4	7.673	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	293	73	1106	676	0.435	289	320	1.4	0.8	9.498	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	212	53	-	-	-	212	213	0.3	0.0	0.074	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	263	66	-	-	-	263	285	0.3	0.0	0.085	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	293	73	-	-	-	293	318	0.1	0.0	0.117	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	14	3	1322	939	0.015	14	15	1.3	0.0	7.319	A
				2	397	99	1354	934	0.425	396	430	1.3	0.5	6.095	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	248	62	1354	942	0.263	246	263	2.2	0.4	5.923	A
				3	317	79	1354	983	0.321	317	323	2.2	0.9	8.663	A
				4	9	2	1259	911	0.009	9	12	2.2	0.0	9.170	A
		2	1	1	14	3	-	-	-	14	15	0.0	0.0	0.000	A
				2	645	161	-	-	-	645	689	0.0	0.0	0.000	A
				3	317	79	-	-	-	317	321	0.0	0.0	0.000	A
				4	9	2	-	-	-	9	12	0.0	0.0	0.000	A

08:30 - 08:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	298	74	1112	747	0.400	296	305	1.7	0.7	8.013	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	268	67	1112	737	0.365	266	279	1.4	0.7	8.437	A
				4	35	9	1112	748	0.046	35	35	1.4	0.1	8.183	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	298	74	-	-	-	298	301	0.0	0.0	0.000	A
				3	268	67	-	-	-	268	277	0.0	0.0	0.000	A
				4	35	9	-	-	-	35	35	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	449	112	1051	867	0.518	450	498	1.3	0.7	10.732	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	724	181	1051	804	0.897	724	833	4.7	4.3	21.309	C
			3	1	400	100	1051	861	0.465	397	407	1.1	0.8	8.396	A
				2	1	0.35	269	228	0.006	1	1	0.0	0.0	7.833	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	369	92	-	-	-	449	495	96.2	11.2	164.480	F
				4	599	150	-	-	-	724	829	96.2	18.5	162.669	F
			2	1	400	100	-	-	-	400	406	0.1	0.0	0.193	A
				2	1	0.35	-	-	-	1	1	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	223	56	1106	716	0.313	222	238	0.6	0.7	8.046	A
			2	1	165	41	1106	733	0.225	164	178	0.4	0.4	7.013	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	253	63	1106	726	0.348	256	272	0.8	0.4	7.932	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	165	41	-	-	-	165	178	0.0	0.0	0.015	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	223	56	-	-	-	223	240	0.0	0.0	0.037	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	253	63	-	-	-	253	270	0.0	0.0	0.029	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	12	3	1291	847	0.014	12	11	0.0	0.0	5.047	A
				2	309	77	1354	981	0.315	311	339	0.5	0.3	4.496	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	222	55	1354	992	0.224	223	232	1.3	0.2	4.732	A
				3	270	67	1354	1032	0.262	270	275	1.3	0.4	6.374	A
				4	10	3	1228	960	0.011	10	11	1.3	0.0	5.697	A
		2	1	1	12	3	-	-	-	12	11	0.0	0.0	0.000	A
				2	531	133	-	-	-	531	569	0.0	0.0	0.000	A
				3	270	67	-	-	-	270	273	0.0	0.0	0.000	A
				4	10	3	-	-	-	10	11	0.0	0.0	0.000	A

Base 2026 + Committed Development + Isolation Scenario, PM

Data Errors and Warnings

Severity	Area	Item	Description
Last Run	Simulation	2 - A1033 (E)	Arm 2: Queue at end of modelled period is greater than 10 PCU. Delay is likely to have been underestimated.
Warning	Geometry	4 - A1079 (W) - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Info	Simulation	A1 - [Lane Simulation]	This run uses Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	J17 - Dunswell Roundabout	Standard Roundabout		1, 2, 3, 4	132.90	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	132.90	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D6	Base 2026 + Committed Development + Isolation Scenario	PM	ONE HOUR	15:45	17:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1 - A1174 (N)		ONE HOUR	✓	831	100.000
2 - A1033 (E)		ONE HOUR	✓	1726	100.000
3 - A1079 (S)		ONE HOUR	✓	1284	100.000
4 - A1079 (W)		ONE HOUR	✓	1088	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	474	317	40
	2 - A1033 (E)	433	1	432	860
	3 - A1079 (S)	253	669	0	362
	4 - A1079 (W)	10	812	252	14

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80

Heavy Vehicle %

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	1	1	0
	2 - A1033 (E)	2	0	1	9
	3 - A1079 (S)	3	1	0	4
	4 - A1079 (W)	10	8	5	18

Cyclist %

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	0	0	0
	2 - A1033 (E)	0	0	0	0
	3 - A1079 (S)	0	0	0	0
	4 - A1079 (W)	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
1 - A1174 (N)	104.92	29.9	F	755	1133
2 - A1033 (E)	256.66	131.1	F	1581	2371
3 - A1079 (S)	86.65	34.7	F	1159	1739
4 - A1079 (W)	13.08	5.2	B	1007	1510

Main Results for each time segment

15:45 - 16:00

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	630	158	1302	623	626	502	0.0	2.3	10.182	B
2 - A1033 (E)	1280	320	455	1298	1343	1470	0.0	3.6	11.204	B
3 - A1079 (S)	910	227	1007	902	958	746	0.0	2.1	8.387	A
4 - A1079 (W)	838	210	962	841	882	946	0.0	1.1	5.536	A

16:00 - 16:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	739	185	1584	741	769	643	2.3	3.4	15.753	C
2 - A1033 (E)	1591	398	543	1526	1582	1782	3.6	14.6	25.333	D
3 - A1079 (S)	1126	281	1187	1140	1169	882	2.1	5.1	17.467	C
4 - A1079 (W)	988	247	1248	979	1031	1078	1.1	2.3	7.429	A

16:15 - 16:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	918	229	1837	888	873	768	3.4	18.4	49.840	E
2 - A1033 (E)	1885	471	664	1644	1726	2061	14.6	74.0	102.118	F
3 - A1079 (S)	1440	360	1305	1389	1385	1002	5.1	23.8	44.233	E
4 - A1079 (W)	1168	292	1444	1160	1273	1249	2.3	4.1	10.860	B

16:30 - 16:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	919	230	1920	883	872	779	18.4	30.0	104.922	F
2 - A1033 (E)	1916	479	700	1679	1769	2102	74.0	130.1	230.835	F
3 - A1079 (S)	1385	346	1327	1400	1407	1052	23.8	35.0	86.649	F
4 - A1079 (W)	1229	307	1473	1226	1291	1254	4.1	4.9	13.075	B

16:45 - 17:00

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	727	182	1634	794	842	615	30.0	8.2	78.155	F
2 - A1033 (E)	1522	381	582	1637	1710	1846	130.1	102.5	256.663	F
3 - A1079 (S)	1138	284	1250	1211	1254	970	35.0	16.0	70.673	F
4 - A1079 (W)	986	246	1269	980	1040	1192	4.9	2.5	7.667	A

17:00 - 17:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	602	151	1330	604	656	529	8.2	2.2	19.262	C
2 - A1033 (E)	1280	320	445	1544	1608	1489	102.5	44.2	154.737	F
3 - A1079 (S)	957	239	1184	981	1035	805	16.0	3.2	21.214	C
4 - A1079 (W)	830	208	1032	826	906	1132	2.5	1.3	6.012	A

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

15:45 - 16:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	365	683	0.535	360	357	0.0	1.5	11.242	B
			2	1, 3, 4	266	691	0.384	264	269	0.0	0.8	8.776	A
		2	1	(1, 2, 3, 4)	630			630	636	0.0	0.0	0.000	A
	Exit	1	1		502			502	522	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	328	913	0.359	333	329	0.0	0.3	6.712	A
			2	4	636	849	0.749	640	683	0.0	2.4	12.941	B
			3	1, 2	323	907	0.355	325	331	0.0	0.4	6.256	A
		2	1	(3, 4)	958			964	1023	0.0	0.5	2.019	A
			2	(1, 2)	323			323	333	0.0	0.0	0.004	A
	Exit	1	1		1470			1470	1525	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	266	767	0.346	264	279	0.0	0.7	6.807	A
			2	1	169	778	0.217	169	184	0.0	0.2	5.411	A
			3	2, 3	474	790	0.601	468	495	0.0	1.3	10.098	B
		2	1	(1, 4)	435			435	467	0.0	0.0	0.009	A
			2	(2, 3)	474			474	500	0.0	0.0	0.227	A
	Exit	1	1		746			746	758	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	363	941	0.385	366	388	0.0	0.3	5.145	A
			2	2, 3, 4	475	949	0.500	474	494	0.0	0.8	5.838	A
		2	1	(1, 2, 3, 4)	838			838	887	0.0	0.0	0.000	A
	Exit	1	1		946			946	1005	0.0	0.0	0.000	A

16:00 - 16:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	432	598	0.722	434	443	1.5	2.1	18.506	C
			2	1, 3, 4	307	600	0.512	307	326	0.8	1.3	11.136	B
		2	1	(1, 2, 3, 4)	739			739	773	0.0	0.0	0.373	A
	Exit	1	1		643			643	651	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	386	891	0.433	384	376	0.3	0.7	7.747	A
			2	4	740	831	0.891	726	791	2.4	4.7	18.340	C
			3	1, 2	416	878	0.473	416	415	0.4	0.6	7.717	A
		2	1	(3, 4)	1176			1126	1179	0.5	8.6	16.712	C
			2	(1, 2)	416			416	416	0.0	0.0	0.050	A
	Exit	1	1		1782			1782	1819	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	309	719	0.431	308	337	0.7	0.8	8.880	A
			2	1	226	730	0.309	221	228	0.2	0.6	7.208	A
			3	2, 3	608	740	0.820	611	604	1.3	3.3	18.351	C
		2	1	(1, 4)	535			535	567	0.0	0.0	0.054	A
			2	(2, 3)	591			608	613	0.0	0.4	7.329	A
	Exit	1	1		882			882	905	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	444	847	0.524	441	465	0.3	0.9	6.860	A
			2	2, 3, 4	544	853	0.639	538	566	0.8	1.4	7.894	A
		2	1	(1, 2, 3, 4)	988			988	1036	0.0	0.0	0.000	A
	Exit	1	1		1078			1078	1176	0.0	0.0	0.000	A

16:15 - 16:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	514	520	0.987	508	485	2.1	7.3	41.335	E
			2	1, 3, 4	376	523	0.719	379	388	1.3	3.4	26.447	D
		2	1	(1, 2, 3, 4)	918			890	902	0.0	7.7	14.398	B
	Exit	1	1		768			768	779	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	396	859	0.461	390	398	0.7	1.1	9.451	A
			2	4	786	795	0.990	788	848	4.7	5.3	24.016	C
			3	1, 2	460	848	0.542	465	480	0.6	1.2	9.163	A
		2	1	(3, 4)	1426			1181	1251	8.6	66.3	114.246	F
			2	(1, 2)	459			460	483	0.0	0.1	0.298	A
	Exit	1	1		2061			2061	2117	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	406	693	0.586	409	423	0.8	1.3	12.072	B
			2	1	293	692	0.425	295	287	0.6	0.6	8.800	A
			3	2, 3	692	704	0.983	685	674	3.3	5.9	26.533	D
		2	1	(1, 4)	698			699	713	0.0	0.0	0.392	A
			2	(2, 3)	741			692	685	0.4	16.0	48.187	E
	Exit	1	1		1002			1002	1032	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	536	790	0.677	528	591	0.9	1.8	10.190	B
			2	2, 3, 4	633	802	0.788	632	682	1.4	2.2	11.432	B
		2	1	(1, 2, 3, 4)	1168			1168	1281	0.0	0.0	0.000	A
	Exit	1	1		1249			1249	1329	0.0	0.0	0.000	A

16:30 - 16:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	491	494	0.993	483	489	7.3	8.7	59.121	F
			2	1, 3, 4	371	496	0.747	400	383	3.4	2.6	33.541	D
		2	1	(1, 2, 3, 4)	919			862	874	7.7	18.8	56.917	F
	Exit	1	1		779			779	792	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	406	846	0.481	407	406	1.1	1.3	10.249	B
			2	4	788	785	1.005	788	867	5.3	5.1	23.843	C
			3	1, 2	480	836	0.574	484	495	1.2	1.3	9.943	A
		2	1	(3, 4)	1436			1194	1274	66.3	122.3	286.714	F
			2	(1, 2)	480			480	495	0.1	0.0	0.369	A
	Exit	1	1		2102			2102	2150	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	410	678	0.604	411	428	1.3	1.0	13.141	B
			2	1	284	688	0.412	290	287	0.6	0.5	8.769	A
			3	2, 3	696	698	0.997	699	692	5.9	5.6	30.138	D
		2	1	(1, 4)	690			694	713	0.0	0.0	0.794	A
			2	(2, 3)	694			696	691	16.0	28.0	126.501	F
	Exit	1	1		1052			1052	1043	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	566	780	0.727	565	603	1.8	1.9	12.220	B
			2	2, 3, 4	664	791	0.839	660	688	2.2	3.0	13.806	B
		2	1	(1, 2, 3, 4)	1229			1229	1296	0.0	0.0	0.000	A
	Exit	1	1		1254			1254	1354	0.0	0.0	0.000	A

16:45 - 17:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	454	587	0.773	460	490	8.7	3.6	42.200	E
			2	1, 3, 4	318	591	0.538	334	352	2.6	1.0	21.292	C
		2	1	(1, 2, 3, 4)	727			772	815	18.8	3.6	46.208	E
	Exit	1	1		615			615	631	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	429	876	0.489	437	433	1.3	0.7	9.318	A
			2	4	813	815	0.999	812	878	5.1	5.3	23.147	C
			3	1, 2	383	876	0.437	388	399	1.3	0.5	7.859	A
		2	1	(3, 4)	1141			1242	1310	122.3	96.0	324.005	F
			2	(1, 2)	382			383	395	0.0	0.0	0.156	A
	Exit	1	1		1846			1846	1949	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	328	704	0.467	330	352	1.0	0.6	10.033	B
			2	1	222	696	0.319	219	224	0.5	0.9	7.871	A
			3	2, 3	655	719	0.911	662	677	5.6	4.1	27.079	D
		2	1	(1, 4)	551			551	577	0.0	0.0	0.192	A
			2	(2, 3)	588			655	672	28.0	10.3	101.573	F
	Exit	1	1		970			970	982	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	444	852	0.522	437	466	1.9	1.2	7.073	A
			2	2, 3, 4	542	868	0.625	543	574	3.0	1.4	8.142	A
		2	1	(1, 2, 3, 4)	986			986	1029	0.0	0.0	0.000	A
	Exit	1	1		1192			1192	1284	0.0	0.0	0.000	A

17:00 - 17:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	347	682	0.508	351	385	3.6	1.2	16.665	C
			2	1, 3, 4	256	683	0.375	253	271	1.0	0.9	10.720	B
		2	1	(1, 2, 3, 4)	602			603	646	3.6	0.0	5.947	A
	Exit	1	1		529			529	547	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	399	917	0.435	405	401	0.7	0.8	8.720	A
			2	4	806	854	0.944	813	867	5.3	4.2	22.106	C
			3	1, 2	323	906	0.357	326	340	0.5	0.4	6.484	A
		2	1	(3, 4)	958			1204	1264	96.0	38.9	194.392	F
			2	(1, 2)	323			323	339	0.0	0.0	0.023	A
	Exit	1	1		1489			1489	1615	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	273	711	0.381	274	293	0.6	0.7	8.177	A
			2	1	198	725	0.273	196	199	0.9	0.5	6.598	A
			3	2, 3	502	742	0.676	510	543	4.1	1.9	17.984	C
		2	1	(1, 4)	472			471	490	0.0	0.0	0.031	A
			2	(2, 3)	486			502	534	10.3	0.1	17.304	C
	Exit	1	1		805			805	840	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	367	912	0.401	364	402	1.2	0.6	5.467	A
			2	2, 3, 4	464	929	0.500	462	504	1.4	0.7	6.443	A
		2	1	(1, 2, 3, 4)	830			830	900	0.0	0.0	0.000	A
	Exit	1	1		1132			1132	1203	0.0	0.0	0.000	A

Lane movements: Main Results for each time segment

15:45 - 16:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	365	91	1112	683	0.535	360	357	0.0	1.5	11.242	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	232	58	1112	693	0.335	231	238	0.0	0.7	8.745	A
				4	34	9	1112	700	0.049	33	31	0.0	0.1	9.006	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	365	91	-	-	-	365	363	0.0	0.0	0.000	A
				3	232	58	-	-	-	232	241	0.0	0.0	0.000	A
				4	34	9	-	-	-	34	32	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	328	82	1051	913	0.359	333	329	0.0	0.3	6.712	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	636	159	1051	850	0.749	640	683	0.0	2.4	12.941	B
			3	1	322	80	1051	908	0.354	324	330	0.0	0.4	6.255	A
				2	1	0.30	210	185	0.006	1	0.93	0.0	0.0	6.440	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	327	82	-	-	-	328	330	0.0	0.1	1.959	A
				4	631	158	-	-	-	636	693	0.0	0.3	2.050	A
			2	1	322	80	-	-	-	322	332	0.0	0.0	0.004	A
				2	1	0.30	-	-	-	1	0.93	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	266	66	1106	766	0.347	264	279	0.0	0.7	6.807	A
			2	1	169	42	1106	780	0.216	169	184	0.0	0.2	5.411	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	474	119	1106	790	0.601	468	495	0.0	1.3	10.098	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	169	42	-	-	-	169	185	0.0	0.0	0.005	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	266	66	-	-	-	266	282	0.0	0.0	0.012	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	474	119	-	-	-	474	500	0.0	0.0	0.227	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	10	2	1173	838	0.011	9	8	0.0	0.1	6.951	A
				2	353	88	1354	940	0.376	357	380	0.0	0.2	5.106	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	284	71	1354	945	0.300	284	292	0.0	0.4	5.221	A
				3	182	46	1354	963	0.189	182	191	0.0	0.4	6.675	A
				4	9	2	1218	743	0.012	9	11	0.0	0.0	7.511	A
		2	1	1	10	2	-	-	-	10	8	0.0	0.0	0.000	A
				2	637	159	-	-	-	637	675	0.0	0.0	0.000	A
				3	182	46	-	-	-	182	193	0.0	0.0	0.000	A
				4	9	2	-	-	-	9	11	0.0	0.0	0.000	A

16:00 - 16:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	432	108	1112	598	0.723	434	443	1.5	2.1	18.506	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	274	68	1112	598	0.458	274	292	0.8	1.1	11.209	B
				4	33	8	1112	605	0.055	33	34	0.8	0.2	10.522	B
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	432	108	-	-	-	432	445	0.0	0.0	0.419	A
				3	274	68	-	-	-	274	294	0.0	0.0	0.308	A
				4	33	8	-	-	-	33	34	0.0	0.0	0.323	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	386	97	1051	891	0.433	384	376	0.3	0.7	7.747	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	740	185	1051	831	0.891	726	791	2.4	4.7	18.340	C
			3	1	414	104	1051	878	0.472	414	413	0.4	0.6	7.717	A
				2	2	0.40	350	295	0.005	2	2	0.0	0.0	7.697	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	404	101	-	-	-	386	377	0.5	3.0	16.173	C
				4	771	193	-	-	-	740	801	0.5	5.6	16.986	C
			2	1	414	104	-	-	-	414	414	0.0	0.0	0.050	A
				2	2	0.40	-	-	-	2	2	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	309	77	1106	719	0.431	308	337	0.7	0.8	8.880	A
			2	1	226	56	1106	730	0.309	221	228	0.2	0.6	7.208	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	608	152	1106	740	0.820	611	604	1.3	3.3	18.351	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	226	56	-	-	-	226	229	0.0	0.0	0.055	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	309	77	-	-	-	309	338	0.0	0.0	0.054	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	591	148	-	-	-	608	613	0.0	0.4	7.329	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	8	2	1218	766	0.010	8	10	0.3	0.0	7.413	A
				2	437	109	1354	848	0.515	433	455	0.3	0.9	6.848	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	301	75	1354	838	0.360	302	315	0.8	0.5	6.872	A
				3	231	58	1354	875	0.265	224	237	0.8	0.9	9.156	A
				4	11	3	1354	776	0.015	12	14	0.0	0.0	8.960	A
		2	1	1	8	2	-	-	-	8	10	0.0	0.0	0.000	A
				2	738	184	-	-	-	738	773	0.0	0.0	0.000	A
				3	231	58	-	-	-	231	239	0.0	0.0	0.000	A
				4	11	3	-	-	-	11	14	0.0	0.0	0.000	A

16:15 - 16:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	514	128	1112	521	0.986	508	485	2.1	7.3	41.335	E
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	339	85	1112	524	0.649	345	347	1.3	2.9	26.504	D
				4	37	9	1112	531	0.069	35	41	1.3	0.5	25.976	D
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	533	133	-	-	-	514	505	0.0	4.7	15.372	C
				3	345	86	-	-	-	339	355	0.0	2.7	13.142	B
				4	40	10	-	-	-	37	42	0.0	0.3	13.225	B
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	396	99	1051	859	0.461	390	398	0.7	1.1	9.451	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	786	196	1051	795	0.990	788	848	4.7	5.3	24.016	C
			3	1	460	115	1051	849	0.541	464	479	0.6	1.2	9.164	A
				2	0.40	0.10	280	231	0.002	0.40	1	0.0	0.0	8.802	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	473	118	-	-	-	396	400	8.6	22.2	113.496	F
				4	955	239	-	-	-	786	851	8.6	44.2	114.626	F
			2	1	459	115	-	-	-	460	482	0.0	0.1	0.299	A
				2	0.40	0.10	-	-	-	0.40	1	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	406	101	1106	694	0.585	409	423	0.8	1.3	12.072	B
			2	1	293	73	1106	692	0.425	295	287	0.6	0.6	8.800	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	692	173	1106	704	0.983	685	674	3.3	5.9	26.533	D
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	293	73	-	-	-	293	287	0.0	0.0	0.252	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	406	101	-	-	-	406	425	0.0	0.0	0.488	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	741	185	-	-	-	692	685	0.4	16.0	48.187	E
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	10	3	1309	788	0.013	9	12	0.0	0.1	12.584	B
				2	525	131	1354	789	0.665	519	578	0.9	1.7	10.138	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	350	88	1354	794	0.440	348	379	1.4	1.2	9.967	A
				3	266	67	1354	819	0.324	268	287	1.4	1.0	13.110	B
				4	16	4	1354	748	0.022	16	17	0.0	0.0	15.414	C
		2	1	1	10	3	-	-	-	10	13	0.0	0.0	0.000	A
				2	875	219	-	-	-	875	963	0.0	0.0	0.000	A
				3	266	67	-	-	-	266	287	0.0	0.0	0.000	A
				4	16	4	-	-	-	16	18	0.0	0.0	0.000	A

16:30 - 16:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	491	123	1112	494	0.993	483	489	7.3	8.7	59.121	F
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	330	83	1112	496	0.666	360	343	3.4	2.2	33.598	D
				4	40	10	1112	502	0.080	40	41	3.4	0.4	33.057	D
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	538	135	-	-	-	491	495	7.7	11.3	57.035	F
				3	334	84	-	-	-	330	340	7.7	6.5	57.160	F
				4	46	12	-	-	-	40	40	7.7	1.0	53.503	F
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	406	102	1051	845	0.481	407	406	1.1	1.3	10.249	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	788	197	1051	785	1.005	788	867	5.3	5.1	23.843	C
			3	1	478	120	1051	836	0.572	482	494	1.2	1.3	9.945	A
				2	2	0.50	350	290	0.007	2	2	0.0	0.0	9.330	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	490	122	-	-	-	406	407	66.3	41.8	286.481	F
				4	946	237	-	-	-	788	867	66.3	80.5	286.833	F
			2	1	478	120	-	-	-	478	494	0.1	0.0	0.370	A
				2	2	0.50	-	-	-	2	2	0.0	0.0	0.191	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	410	102	1106	679	0.604	411	428	1.3	1.0	13.141	B
			2	1	284	71	1106	687	0.413	290	287	0.6	0.5	8.769	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	696	174	1106	698	0.997	699	692	5.9	5.6	30.138	D
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	283	71	-	-	-	284	286	0.0	0.0	0.645	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	408	102	-	-	-	410	426	0.0	0.0	0.895	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	694	174	-	-	-	696	691	16.0	28.0	126.501	F
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	7	2	1128	663	0.010	7	11	1.8	0.0	14.774	B
				2	559	140	1354	780	0.718	558	592	1.8	1.9	12.175	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	363	91	1354	788	0.461	360	375	2.2	1.4	11.895	B
				3	286	71	1354	800	0.359	286	294	2.2	1.6	16.023	C
				4	15	4	1309	689	0.021	15	19	2.2	0.0	16.329	C
		2	1	1	7	2	-	-	-	7	11	0.0	0.0	0.000	A
				2	922	231	-	-	-	922	969	0.0	0.0	0.000	A
				3	286	71	-	-	-	286	297	0.0	0.0	0.000	A
				4	15	4	-	-	-	15	19	0.0	0.0	0.000	A

16:45 - 17:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	454	113	1112	588	0.772	460	490	8.7	3.6	42.200	E
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	283	71	1112	589	0.480	299	312	2.6	0.8	21.064	C
				4	35	9	1112	589	0.060	36	40	2.6	0.2	23.038	C
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	433	108	-	-	-	454	470	18.8	2.3	47.105	E
				3	261	65	-	-	-	283	306	18.8	1.1	45.176	E
				4	32	8	-	-	-	35	40	18.8	0.2	43.677	E
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	429	107	1051	876	0.489	437	433	1.3	0.7	9.318	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	813	203	1051	815	0.999	812	878	5.1	5.3	23.147	C
			3	1	382	96	1051	877	0.436	387	398	1.3	0.5	7.862	A
				2	0.80	0.20	210	178	0.004	0.80	0.93	0.0	0.0	6.542	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	394	98	-	-	-	429	431	122.3	33.3	324.056	F
				4	747	187	-	-	-	813	879	122.3	62.7	323.978	F
			2	1	381	95	-	-	-	382	394	0.0	0.0	0.156	A
				2	0.80	0.20	-	-	-	0.80	0.93	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	328	82	1106	702	0.468	330	352	1.0	0.6	10.033	B
			2	1	222	56	1106	694	0.320	219	224	0.5	0.9	7.871	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	655	164	1106	719	0.912	662	677	5.6	4.1	27.079	D
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	222	56	-	-	-	222	226	0.0	0.0	0.122	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	328	82	-	-	-	328	351	0.0	0.0	0.238	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	588	147	-	-	-	655	672	28.0	10.3	101.573	F
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	8	2	1218	778	0.011	8	9	1.9	0.0	9.284	A
				2	436	109	1354	851	0.512	429	457	1.9	1.2	7.030	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	298	75	1354	864	0.348	295	324	3.0	0.7	6.825	A
				3	230	57	1354	877	0.261	234	237	3.0	0.6	9.763	A
				4	14	3	1264	766	0.017	14	14	3.0	0.0	11.143	B
		2	1	1	8	2	-	-	-	8	9	0.0	0.0	0.000	A
				2	735	184	-	-	-	735	774	0.0	0.0	0.000	A
				3	230	57	-	-	-	230	233	0.0	0.0	0.000	A
				4	14	3	-	-	-	14	13	0.0	0.0	0.000	A

17:00 - 17:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	347	87	1112	683	0.507	351	385	3.6	1.2	16.665	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	223	56	1112	681	0.327	221	240	1.0	0.9	10.704	B
				4	33	8	1112	689	0.048	32	31	1.0	0.1	10.838	B
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	347	87	-	-	-	347	375	3.6	0.0	5.741	A
				3	223	56	-	-	-	223	241	3.6	0.0	6.057	A
				4	32	8	-	-	-	33	31	3.6	0.0	7.594	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	399	100	1051	917	0.435	405	401	0.7	0.8	8.720	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	806	201	1051	854	0.944	813	867	5.3	4.2	22.106	C
			3	1	323	81	1051	908	0.356	326	340	0.5	0.4	6.479	A
				2	0	0	35	30	0.000	0	0.13	0.0	0.0	18.733	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	322	81	-	-	-	399	402	96.0	12.8	191.406	F
				4	635	159	-	-	-	806	862	96.0	26.0	195.871	F
			2	1	323	81	-	-	-	323	339	0.0	0.0	0.023	A
				2	0	0	-	-	-	0	0.13	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	273	68	1106	713	0.381	274	293	0.6	0.7	8.177	A
			2	1	198	50	1106	725	0.273	196	199	0.9	0.5	6.598	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	502	125	1106	741	0.677	510	543	4.1	1.9	17.984	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	198	50	-	-	-	198	197	0.0	0.0	0.033	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	273	68	-	-	-	273	293	0.0	0.0	0.030	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	486	121	-	-	-	502	534	10.3	0.1	17.304	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	6	2	1218	780	0.008	6	9	0.0	0.0	7.706	A
				2	360	90	1354	912	0.394	357	394	1.2	0.6	5.419	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	270	67	1354	911	0.296	270	293	1.3	0.2	5.589	A
				3	181	45	1354	956	0.188	179	198	1.4	0.5	7.563	A
				4	13	3	1173	762	0.017	13	13	0.0	0.0	8.328	A
		2	1	1	6	2	-	-	-	6	9	0.0	0.0	0.000	A
				2	628	157	-	-	-	628	681	0.0	0.0	0.000	A
				3	181	45	-	-	-	181	197	0.0	0.0	0.000	A
				4	13	3	-	-	-	13	13	0.0	0.0	0.000	A

Base 2026 + Committed Development + Concurrent Scenario, AM

Data Errors and Warnings

Severity	Area	Item	Description
Last Run	Simulation	2 - A1033 (E)	Arm 2: Queue at end of modelled period is greater than 10 PCU. Delay is likely to have been underestimated.
Warning	Geometry	4 - A1079 (W) - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Info	Simulation	A1 - [Lane Simulation]	This run uses Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	J17 - Dunswell Roundabout	Standard Roundabout		1, 2, 3, 4	157.33	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	157.33	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D7	Base 2026 + Committed Development + Concurrent Scenario	AM	ONE HOUR	07:15	08:45	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1 - A1174 (N)		ONE HOUR	✓	788	100.000
2 - A1033 (E)		ONE HOUR	✓	1807	100.000
3 - A1079 (S)		ONE HOUR	✓	878	100.000
4 - A1079 (W)		ONE HOUR	✓	1094	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	391	349	48
	2 - A1033 (E)	521	1	439	846
	3 - A1079 (S)	231	344	0	303
	4 - A1079 (W)	15	713	352	14

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80

Heavy Vehicle %

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	3	4	4
	2 - A1033 (E)	3	0	3	10
	3 - A1079 (S)	3	4	0	5
	4 - A1079 (W)	7	10	3	18

Cyclist %

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	0	0	0
	2 - A1033 (E)	0	0	0	0
	3 - A1079 (S)	0	0	0	0
	4 - A1079 (W)	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
1 - A1174 (N)	29.89	8.4	D	715	1073
2 - A1033 (E)	368.91	179.5	F	1666	2499
3 - A1079 (S)	12.66	3.3	B	812	1218
4 - A1079 (W)	11.05	4.0	B	1005	1507

Main Results for each time segment

07:15 - 07:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	579	145	1062	584	615	565	0.0	0.9	7.922	A
2 - A1033 (E)	1367	342	583	1342	1404	1062	0.0	8.0	16.739	C
3 - A1079 (S)	673	168	1072	665	697	852	0.0	1.9	6.869	A
4 - A1079 (W)	820	205	809	816	879	927	0.0	1.5	5.526	A

07:30 - 07:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	710	177	1323	699	741	719	0.9	2.5	10.989	B
2 - A1033 (E)	1617	404	684	1600	1678	1338	8.0	17.5	31.376	D
3 - A1079 (S)	822	206	1263	820	826	1024	1.9	2.7	8.600	A
4 - A1079 (W)	1009	252	1037	1006	1065	1045	1.5	2.3	6.454	A

07:45 - 08:00

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	876	219	1585	858	878	854	2.5	8.0	25.652	D
2 - A1033 (E)	1972	493	856	1722	1793	1589	17.5	96.1	137.961	F
3 - A1079 (S)	952	238	1385	957	1016	1192	2.7	2.9	11.774	B
4 - A1079 (W)	1209	302	1215	1224	1322	1127	2.3	3.1	11.049	B

08:00 - 08:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	854	213	1531	836	891	852	8.0	8.4	29.889	D
2 - A1033 (E)	2008	502	810	1628	1778	1556	96.1	177.5	313.276	F
3 - A1079 (S)	977	244	1345	971	1014	1093	2.9	3.2	12.665	B
4 - A1079 (W)	1197	299	1196	1187	1277	1120	3.1	4.0	9.819	A

08:15 - 08:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	710	177	1294	701	759	689	8.4	2.5	15.508	C
2 - A1033 (E)	1624	406	682	1721	1779	1312	177.5	167.2	368.907	F
3 - A1079 (S)	791	198	1354	792	822	1050	3.2	2.1	9.538	A
4 - A1079 (W)	978	244	995	988	1077	1151	4.0	1.3	6.969	A

08:30 - 08:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	562	140	1065	560	610	584	2.5	1.2	8.354	A
2 - A1033 (E)	1396	349	538	1634	1732	1088	167.2	104.3	248.368	F
3 - A1079 (S)	655	164	1251	651	700	920	2.1	1.7	7.712	A
4 - A1079 (W)	822	205	832	817	886	1070	1.3	1.4	5.225	A

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

07:15 - 07:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	288	742	0.387	290	302	0.0	0.5	7.907	A
			2	1, 3, 4	292	737	0.397	294	312	0.0	0.4	7.937	A
		2	1	(1, 2, 3, 4)	579			579	618	0.0	0.0	0.000	A
	Exit	1	1		565			565	583	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	326	866	0.378	326	334	0.0	0.8	7.216	A
			2	4	644	802	0.801	637	674	0.0	3.3	15.772	C
			3	1, 2	382	855	0.447	379	396	0.0	0.9	7.571	A
		2	1	(3, 4)	982			969	1026	0.0	2.9	7.499	A
			2	(1, 2)	383			382	400	0.0	0.1	0.082	A
	Exit	1	1		1062			1062	1149	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	238	740	0.321	234	251	0.0	0.8	6.779	A
			2	1	176	752	0.235	176	175	0.0	0.3	6.122	A
			3	2, 3	259	739	0.352	255	272	0.0	0.8	7.407	A
		2	1	(1, 4)	414			414	430	0.0	0.0	0.003	A
			2	(2, 3)	259			259	275	0.0	0.0	0.023	A
	Exit	1	1		852			852	884	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	314	970	0.325	312	356	0.0	0.6	4.919	A
			2	2, 3, 4	506	1008	0.502	504	523	0.0	0.9	5.927	A
		2	1	(1, 2, 3, 4)	820			820	886	0.0	0.0	0.000	A
	Exit	1	1		927			927	978	0.0	0.0	0.000	A

07:30 - 07:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	342	666	0.512	340	363	0.5	0.9	10.406	B
			2	1, 3, 4	368	656	0.560	359	378	0.4	1.6	11.493	B
		2	1	(1, 2, 3, 4)	710			710	747	0.0	0.0	0.030	A
	Exit	1	1		719			719	719	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	392	828	0.472	392	399	0.8	1.0	9.187	A
			2	4	727	777	0.937	724	785	3.3	4.6	19.759	C
			3	1, 2	484	823	0.588	485	494	0.9	0.9	9.964	A
		2	1	(3, 4)	1134			1119	1190	2.9	11.0	23.964	C
			2	(1, 2)	483			484	494	0.1	0.0	0.354	A
	Exit	1	1		1338			1338	1398	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	272	683	0.399	269	291	0.8	0.9	8.479	A
			2	1	223	703	0.318	224	211	0.3	0.5	6.874	A
			3	2, 3	325	693	0.468	327	323	0.8	1.1	9.597	A
		2	1	(1, 4)	497			496	504	0.0	0.2	0.065	A
			2	(2, 3)	325			325	324	0.0	0.0	0.141	A
	Exit	1	1		1024			1024	1059	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	417	894	0.466	418	452	0.6	0.7	5.658	A
			2	2, 3, 4	592	943	0.626	588	613	0.9	1.6	7.009	A
		2	1	(1, 2, 3, 4)	1009			1009	1067	0.0	0.0	0.000	A
	Exit	1	1		1045			1045	1132	0.0	0.0	0.000	A

07:45 - 08:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	449	576	0.778	440	430	0.9	3.7	22.384	C
			2	1, 3, 4	421	568	0.743	417	447	1.6	2.6	21.969	C
		2	1	(1, 2, 3, 4)	876			870	894	0.0	1.6	3.395	A
	Exit	1	1		854			854	880	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	391	791	0.495	393	391	1.0	0.9	10.171	B
			2	4	738	736	1.000	736	809	4.6	5.2	24.968	C
			3	1, 2	585	781	0.750	591	593	0.9	2.5	14.710	B
		2	1	(3, 4)	1397			1129	1202	11.0	86.9	167.206	F
			2	(1, 2)	576			585	600	0.0	0.2	2.964	A
	Exit	1	1		1589			1589	1683	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	327	649	0.503	333	357	0.9	0.6	11.209	B
			2	1	248	659	0.377	248	269	0.5	0.7	9.034	A
			3	2, 3	374	658	0.568	376	390	1.1	1.2	12.164	B
		2	1	(1, 4)	578			575	626	0.2	0.2	0.734	A
			2	(2, 3)	374			374	391	0.0	0.1	0.812	A
	Exit	1	1		1192			1192	1208	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	534	832	0.639	541	597	0.7	1.1	9.334	A
			2	2, 3, 4	675	873	0.772	682	725	1.6	2.0	12.401	B
		2	1	(1, 2, 3, 4)	1209			1209	1325	0.0	0.0	0.007	A
	Exit	1	1		1127			1127	1238	0.0	0.0	0.000	A

08:00 - 08:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	412	596	0.689	418	445	3.7	2.6	23.665	C
			2	1, 3, 4	422	592	0.718	417	446	2.6	3.4	25.030	D
		2	1	(1, 2, 3, 4)	854			833	889	1.6	2.3	5.432	A
	Exit	1	1		852			852	879	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	353	800	0.440	348	378	0.9	1.4	10.835	B
			2	4	715	742	0.962	712	809	5.2	5.1	25.689	D
			3	1, 2	573	797	0.717	568	591	2.5	2.7	15.018	C
		2	1	(3, 4)	1437			1068	1188	86.9	168.0	411.443	F
			2	(1, 2)	571			573	592	0.2	0.3	3.965	A
	Exit	1	1		1556			1556	1683	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	343	662	0.519	343	354	0.6	0.9	12.467	B
			2	1	272	678	0.402	266	269	0.7	1.0	9.460	A
			3	2, 3	361	662	0.547	362	391	1.2	1.2	13.012	B
		2	1	(1, 4)	615			615	625	0.2	0.0	0.599	A
			2	(2, 3)	362			361	391	0.1	0.1	1.134	A
	Exit	1	1		1093			1093	1167	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	530	850	0.621	523	570	1.1	1.5	8.602	A
			2	2, 3, 4	668	871	0.764	664	707	2.0	2.6	10.773	B
		2	1	(1, 2, 3, 4)	1197			1197	1281	0.0	0.0	0.000	A
	Exit	1	1		1120			1120	1230	0.0	0.0	0.000	A

08:15 - 08:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	356	668	0.533	352	371	2.6	1.2	13.080	B
			2	1, 3, 4	354	668	0.531	348	388	3.4	1.3	16.460	C
		2	1	(1, 2, 3, 4)	710			710	744	2.3	0.0	1.051	A
	Exit	1	1		689			689	728	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	422	843	0.502	424	418	1.4	1.2	11.139	B
			2	4	819	781	1.050	821	859	5.1	5.2	23.748	C
			3	1, 2	477	838	0.570	476	501	2.7	1.3	11.003	B
		2	1	(3, 4)	1146			1241	1277	168.0	159.5	499.221	F
			2	(1, 2)	476			477	496	0.3	0.1	0.729	A
	Exit	1	1		1312			1312	1413	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	273	656	0.415	273	284	0.9	0.7	9.955	A
			2	1	198	673	0.294	198	213	1.0	0.5	7.851	A
			3	2, 3	322	669	0.481	321	325	1.2	0.9	9.717	A
		2	1	(1, 4)	471			471	494	0.0	0.0	0.235	A
			2	(2, 3)	320			322	323	0.1	0.0	0.266	A
	Exit	1	1		1050			1050	1092	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	416	918	0.453	419	464	1.5	0.6	5.855	A
			2	2, 3, 4	562	963	0.585	569	613	2.6	0.7	7.786	A
		2	1	(1, 2, 3, 4)	978			978	1065	0.0	0.0	0.000	A
	Exit	1	1		1151			1151	1203	0.0	0.0	0.000	A

08:30 - 08:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	286	743	0.384	286	308	1.2	0.5	8.168	A
			2	1, 3, 4	276	738	0.375	274	301	1.3	0.7	8.547	A
		2	1	(1, 2, 3, 4)	562			562	605	0.0	0.0	0.000	A
	Exit	1	1		584			584	609	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	410	873	0.470	422	438	1.2	0.4	10.568	B
			2	4	808	821	0.986	810	883	5.2	5.1	22.651	C
			3	1, 2	396	872	0.453	402	412	1.3	0.4	7.521	A
		2	1	(3, 4)	1000			1219	1316	159.5	98.3	369.297	F
			2	(1, 2)	396			396	408	0.1	0.0	0.068	A
	Exit	1	1		1088			1088	1176	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	224	686	0.325	221	239	0.7	0.6	8.345	A
			2	1	172	694	0.248	172	186	0.5	0.3	6.241	A
			3	2, 3	258	702	0.367	257	275	0.9	0.7	8.106	A
		2	1	(1, 4)	396			396	423	0.0	0.0	0.032	A
			2	(2, 3)	258			258	275	0.0	0.0	0.016	A
	Exit	1	1		920			920	975	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	336	968	0.348	335	366	0.6	0.5	4.509	A
			2	2, 3, 4	486	994	0.489	482	520	0.7	0.9	5.711	A
		2	1	(1, 2, 3, 4)	822			822	886	0.0	0.0	0.000	A
	Exit	1	1		1070			1070	1167	0.0	0.0	0.000	A

Lane movements: Main Results for each time segment

07:15 - 07:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	288	72	1112	746	0.385	290	302	0.0	0.5	7.907	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	252	63	1112	736	0.342	251	271	0.0	0.4	7.864	A
				4	41	10	1112	736	0.055	43	41	0.0	0.0	8.417	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	288	72	-	-	-	288	304	0.0	0.0	0.000	A
				3	252	63	-	-	-	252	273	0.0	0.0	0.000	A
				4	41	10	-	-	-	41	41	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	326	82	1051	866	0.379	326	334	0.0	0.8	7.216	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	644	161	1051	801	0.802	637	674	0.0	3.3	15.772	C
			3	1	382	95	1051	854	0.447	379	395	0.0	0.9	7.575	A
				2	0.40	0.10	140	120	0.003	0.40	0.53	0.0	0.0	4.854	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	331	83	-	-	-	326	337	0.0	1.1	7.233	A
				4	652	163	-	-	-	644	688	0.0	1.8	7.639	A
			2	1	382	96	-	-	-	382	399	0.0	0.1	0.082	A
				2	0.40	0.10	-	-	-	0.40	0.53	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	238	59	1106	739	0.321	234	251	0.0	0.8	6.779	A
			2	1	176	44	1106	750	0.235	176	175	0.0	0.3	6.122	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	259	65	1106	739	0.352	255	272	0.0	0.8	7.407	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	176	44	-	-	-	176	176	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	238	59	-	-	-	238	254	0.0	0.0	0.005	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	259	65	-	-	-	259	275	0.0	0.0	0.023	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	10	3	1218	923	0.011	10	12	0.0	0.0	5.643	A
				2	303	76	1354	972	0.313	302	344	0.0	0.6	4.893	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	214	53	1354	990	0.216	214	231	0.0	0.3	4.655	A
				3	279	70	1354	1034	0.270	276	279	0.0	0.6	6.822	A
				4	13	3	1173	719	0.018	13	13	0.0	0.0	8.314	A
		2	1	1	10	3	-	-	-	10	12	0.0	0.0	0.000	A
				2	518	129	-	-	-	518	579	0.0	0.0	0.000	A
				3	279	70	-	-	-	279	282	0.0	0.0	0.000	A
				4	13	3	-	-	-	13	13	0.0	0.0	0.000	A

07:30 - 07:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	342	85	1112	667	0.511	340	363	0.5	0.9	10.406	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	327	82	1112	658	0.496	321	336	0.4	1.2	11.464	B
				4	41	10	1112	649	0.063	38	42	0.0	0.4	11.717	B
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	342	85	-	-	-	342	364	0.0	0.0	0.043	A
				3	327	82	-	-	-	327	339	0.0	0.0	0.020	A
				4	41	10	-	-	-	41	44	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	392	98	1051	828	0.472	392	399	0.8	1.0	9.187	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	727	182	1051	777	0.937	724	785	3.3	4.6	19.759	C
			3	1	483	121	1051	823	0.588	484	493	0.9	0.9	9.966	A
				2	0.40	0.10	245	195	0.002	0.40	0.93	0.0	0.0	9.367	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	398	99	-	-	-	392	400	2.9	3.6	23.697	C
				4	736	184	-	-	-	727	791	2.9	7.3	24.108	C
			2	1	483	121	-	-	-	483	493	0.1	0.0	0.355	A
				2	0.40	0.10	-	-	-	0.40	0.93	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	272	68	1106	686	0.397	269	291	0.8	0.9	8.479	A
			2	1	223	56	1106	705	0.317	224	211	0.3	0.5	6.874	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	325	81	1106	692	0.468	327	323	0.8	1.1	9.597	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	224	56	-	-	-	223	212	0.0	0.1	0.071	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	274	68	-	-	-	272	292	0.0	0.1	0.061	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	325	81	-	-	-	325	324	0.0	0.0	0.141	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	11	3	1264	843	0.013	10	15	0.0	0.0	6.330	A
				2	407	102	1354	895	0.454	407	437	0.6	0.7	5.636	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	265	66	1354	922	0.286	264	274	0.9	0.5	5.611	A
				3	313	78	1354	976	0.321	310	325	0.9	1.1	8.024	A
				4	14	3	1218	748	0.018	14	14	0.9	0.0	9.490	A
		2	1	1	11	3	-	-	-	11	15	0.0	0.0	0.000	A
				2	672	168	-	-	-	672	712	0.0	0.0	0.000	A
				3	313	78	-	-	-	313	327	0.0	0.0	0.000	A
				4	14	3	-	-	-	14	14	0.0	0.0	0.000	A

07:45 - 08:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	449	112	1112	576	0.778	440	430	0.9	3.7	22.384	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	378	94	1112	567	0.667	373	394	1.6	2.5	21.850	C
				4	44	11	1112	568	0.077	44	53	1.6	0.2	22.869	C
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	453	113	-	-	-	449	442	0.0	0.8	3.559	A
				3	380	95	-	-	-	378	400	0.0	0.7	3.259	A
				4	44	11	-	-	-	44	53	0.0	0.1	3.034	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	391	98	1051	788	0.496	393	391	1.0	0.9	10.171	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	738	185	1051	736	1.000	736	809	4.6	5.2	24.968	C
			3	1	585	146	1051	780	0.751	591	593	0.9	2.5	14.720	B
				2	0	0	140	109	0.000	0	0.53	0.0	0.0	2.980	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	475	119	-	-	-	391	390	11.0	29.3	165.692	F
				4	921	230	-	-	-	738	812	11.0	57.6	167.981	F
			2	1	576	144	-	-	-	585	599	0.0	0.2	2.967	A
				2	0	0	-	-	-	0	0.53	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	327	82	1106	649	0.503	333	357	0.9	0.6	11.209	B
			2	1	248	62	1106	657	0.378	248	269	0.5	0.7	9.034	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	374	93	1106	658	0.568	376	390	1.1	1.2	12.164	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	249	62	-	-	-	248	270	0.2	0.1	0.821	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	328	82	-	-	-	327	356	0.2	0.1	0.668	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	374	94	-	-	-	374	391	0.0	0.1	0.812	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	14	4	1354	857	0.017	14	19	0.7	0.0	11.278	B
				2	520	130	1354	832	0.623	528	577	0.7	1.1	9.267	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	238	59	1354	838	0.283	242	284	1.6	0.6	9.803	A
				3	423	106	1354	896	0.472	426	423	1.6	1.4	13.940	B
				4	14	3	1309	695	0.021	13	18	0.0	0.0	14.854	B
		2	1	1	14	4	-	-	-	14	19	0.0	0.0	0.000	A
				2	758	189	-	-	-	758	864	0.0	0.0	0.006	A
				3	423	106	-	-	-	423	424	0.0	0.0	0.009	A
				4	14	3	-	-	-	14	18	0.0	0.0	0.000	A

08:00 - 08:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	412	103	1112	596	0.689	418	445	3.7	2.6	23.665	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	372	93	1112	591	0.632	367	396	2.6	3.0	24.910	C
				4	51	13	1112	602	0.085	50	49	2.6	0.5	25.972	D
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	420	105	-	-	-	412	441	1.6	1.2	5.163	A
				3	382	96	-	-	-	372	398	1.6	1.0	5.702	A
				4	51	13	-	-	-	51	51	1.6	0.1	5.672	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	353	88	1051	800	0.440	348	378	0.9	1.4	10.835	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	715	179	1051	742	0.962	712	809	5.2	5.1	25.689	D
			3	1	573	143	1051	797	0.718	568	590	2.5	2.7	15.019	C
				2	0	0	210	163	0.000	0	1	0.0	0.0	14.456	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	492	123	-	-	-	353	380	86.9	57.8	411.777	F
				4	946	236	-	-	-	715	808	86.9	110.2	411.272	F
			2	1	571	143	-	-	-	573	591	0.2	0.3	3.970	A
				2	0	0	-	-	-	0	1	0.0	0.0	1.292	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	343	86	1106	662	0.519	343	354	0.6	0.9	12.467	B
			2	1	272	68	1106	677	0.402	266	269	0.7	1.0	9.460	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	361	90	1106	661	0.548	362	391	1.2	1.2	13.012	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	272	68	-	-	-	272	270	0.2	0.0	0.527	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	343	86	-	-	-	343	355	0.2	0.0	0.655	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	362	90	-	-	-	361	391	0.1	0.1	1.134	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	18	5	1354	848	0.022	18	20	1.1	0.1	10.938	B
				2	511	128	1354	850	0.599	505	551	1.1	1.4	8.519	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	274	69	1354	835	0.327	271	296	2.0	0.8	8.630	A
				3	378	94	1354	902	0.419	378	393	2.0	1.7	12.282	B
				4	15	4	1354	757	0.020	16	18	2.0	0.1	10.745	B
		2	1	1	18	5	-	-	-	18	20	0.0	0.0	0.000	A
				2	786	196	-	-	-	786	848	0.0	0.0	0.000	A
				3	378	94	-	-	-	378	394	0.0	0.0	0.000	A
				4	15	4	-	-	-	15	19	0.0	0.0	0.000	A

08:15 - 08:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	356	89	1112	669	0.532	352	371	2.6	1.2	13.080	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	314	79	1112	669	0.469	308	343	3.4	1.2	16.575	C
				4	41	10	1112	668	0.060	40	45	3.4	0.1	15.580	C
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	356	89	-	-	-	356	366	2.3	0.0	1.110	A
				3	314	79	-	-	-	314	335	2.3	0.0	1.024	A
				4	41	10	-	-	-	41	43	2.3	0.0	0.769	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	422	105	1051	842	0.502	424	418	1.4	1.2	11.139	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	819	205	1051	781	1.050	821	859	5.1	5.2	23.748	C
			3	1	477	119	1051	838	0.570	476	500	2.7	1.3	11.010	B
				2	0.40	0.10	175	144	0.003	0.40	0.80	0.0	0.0	6.830	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	407	102	-	-	-	422	418	168.0	55.5	497.005	F
				4	739	185	-	-	-	819	860	168.0	104.0	500.380	F
			2	1	476	119	-	-	-	477	495	0.3	0.1	0.730	A
				2	0.40	0.10	-	-	-	0.40	0.80	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	273	68	1106	656	0.415	273	284	0.9	0.7	9.955	A
			2	1	198	50	1106	672	0.294	198	213	1.0	0.5	7.851	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	322	80	1106	668	0.482	321	325	1.2	0.9	9.717	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	198	50	-	-	-	198	211	0.0	0.0	0.314	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	273	68	-	-	-	273	283	0.0	0.0	0.174	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	320	80	-	-	-	322	323	0.1	0.0	0.266	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	16	4	1309	934	0.017	16	14	1.5	0.0	5.686	A
				2	400	100	1354	916	0.437	403	449	1.5	0.5	5.861	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	237	59	1354	937	0.253	235	267	2.6	0.4	6.084	A
				3	309	77	1354	986	0.315	317	331	2.6	0.3	9.014	A
				4	16	4	1354	963	0.016	17	15	2.6	0.0	9.619	A
		2	1	1	16	4	-	-	-	16	14	0.0	0.0	0.000	A
				2	637	159	-	-	-	637	711	0.0	0.0	0.000	A
				3	309	77	-	-	-	309	325	0.0	0.0	0.000	A
				4	16	4	-	-	-	16	15	0.0	0.0	0.000	A

08:30 - 08:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	286	72	1112	740	0.385	286	308	1.2	0.5	8.168	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	245	61	1112	734	0.333	243	268	1.3	0.6	8.499	A
				4	31	8	1112	769	0.041	30	34	1.3	0.1	8.913	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	286	72	-	-	-	286	305	0.0	0.0	0.000	A
				3	245	61	-	-	-	245	265	0.0	0.0	0.000	A
				4	31	8	-	-	-	31	34	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	410	103	1051	874	0.470	422	438	1.2	0.4	10.568	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	808	202	1051	821	0.986	810	883	5.2	5.1	22.651	C
			3	1	394	99	1051	872	0.452	400	411	1.3	0.4	7.497	A
				2	2	0.40	245	210	0.008	2	1	0.0	0.0	16.442	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	353	88	-	-	-	410	434	159.5	34.0	365.575	F
				4	646	162	-	-	-	808	882	159.5	64.3	371.159	F
			2	1	394	99	-	-	-	394	407	0.1	0.0	0.068	A
				2	2	0.40	-	-	-	2	1	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	224	56	1106	685	0.325	221	239	0.7	0.6	8.345	A
			2	1	172	43	1106	697	0.247	172	186	0.5	0.3	6.241	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	258	65	1106	701	0.368	257	275	0.9	0.7	8.106	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	172	43	-	-	-	172	185	0.0	0.0	0.026	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	224	56	-	-	-	224	238	0.0	0.0	0.036	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	258	65	-	-	-	258	275	0.0	0.0	0.016	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	11	3	1309	893	0.011	10	13	0.6	0.1	4.915	A
				2	326	82	1354	970	0.336	325	353	0.6	0.4	4.495	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	220	55	1354	961	0.230	218	238	0.7	0.3	4.774	A
				3	256	64	1354	1031	0.247	254	270	0.7	0.5	6.422	A
				4	10	2	1218	810	0.012	9	12	0.7	0.1	7.332	A
		2	1	1	11	3	-	-	-	11	13	0.0	0.0	0.000	A
				2	546	136	-	-	-	546	591	0.0	0.0	0.000	A
				3	256	64	-	-	-	256	271	0.0	0.0	0.000	A
				4	10	2	-	-	-	10	12	0.0	0.0	0.000	A

Base 2026 + Committed Development + Concurrent Scenario, PM

Data Errors and Warnings

Severity	Area	Item	Description
Last Run	Simulation	2 - A1033 (E)	Arm 2: Queue at end of modelled period is greater than 10 PCU. Delay is likely to have been underestimated.
Warning	Geometry	4 - A1079 (W) - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Info	Simulation	A1 - [Lane Simulation]	This run uses Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	J17 - Dunswell Roundabout	Standard Roundabout		1, 2, 3, 4	157.37	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	157.37	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D8	Base 2026 + Committed Development + Concurrent Scenario	PM	ONE HOUR	15:45	17:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1 - A1174 (N)		ONE HOUR	✓	831	100.000
2 - A1033 (E)		ONE HOUR	✓	1707	100.000
3 - A1079 (S)		ONE HOUR	✓	1284	100.000
4 - A1079 (W)		ONE HOUR	✓	1086	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	475	317	39
	2 - A1033 (E)	419	1	432	855
	3 - A1079 (S)	253	669	0	362
	4 - A1079 (W)	10	821	252	3

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80

Heavy Vehicle %

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	1	1	0
	2 - A1033 (E)	2	0	1	10
	3 - A1079 (S)	3	1	0	4
	4 - A1079 (W)	10	9	5	100

Cyclist %

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	0	0	0
	2 - A1033 (E)	0	0	0	0
	3 - A1079 (S)	0	0	0	0
	4 - A1079 (W)	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
1 - A1174 (N)	104.49	31.3	F	750	1124
2 - A1033 (E)	325.52	149.0	F	1583	2375
3 - A1079 (S)	85.99	38.2	F	1184	1776
4 - A1079 (W)	14.16	7.3	B	997	1496

Main Results for each time segment

15:45 - 16:00

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	631	158	1311	637	630	509	0.0	1.7	10.072	B
2 - A1033 (E)	1306	327	456	1291	1327	1493	0.0	6.3	12.248	B
3 - A1079 (S)	984	246	994	976	983	753	0.0	2.9	10.056	B
4 - A1079 (W)	809	202	1014	806	870	955	0.0	1.3	5.480	A

16:00 - 16:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	732	183	1579	749	734	614	1.7	3.3	17.272	C
2 - A1033 (E)	1509	377	560	1479	1588	1768	6.3	17.1	31.908	D
3 - A1079 (S)	1169	292	1150	1180	1186	890	2.9	5.7	19.032	C
4 - A1079 (W)	960	240	1234	958	1036	1095	1.3	2.2	6.721	A

16:15 - 16:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	902	225	1896	869	877	772	3.3	15.9	49.919	E
2 - A1033 (E)	1900	475	678	1641	1731	2087	17.1	82.6	125.047	F
3 - A1079 (S)	1422	355	1317	1387	1387	1002	5.7	24.0	46.336	E
4 - A1079 (W)	1244	311	1447	1220	1293	1256	2.2	6.9	14.163	B

16:30 - 16:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	898	224	1867	839	852	741	15.9	31.1	104.489	F
2 - A1033 (E)	1902	475	645	1625	1703	2062	82.6	147.0	277.323	F
3 - A1079 (S)	1442	361	1269	1392	1411	1000	24.0	38.8	85.993	F
4 - A1079 (W)	1170	293	1436	1172	1300	1224	6.9	3.8	12.885	B

16:45 - 17:00

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	711	178	1609	796	843	581	31.1	7.7	77.053	F
2 - A1033 (E)	1529	382	557	1569	1644	1848	147.0	138.4	325.515	F
3 - A1079 (S)	1135	284	1215	1191	1261	911	38.8	19.1	78.589	F
4 - A1079 (W)	968	242	1224	966	1057	1183	3.8	2.5	8.550	A

17:00 - 17:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	621	155	1312	625	665	521	7.7	1.7	13.602	B
2 - A1033 (E)	1334	333	464	1514	1611	1473	138.4	85.8	219.981	F
3 - A1079 (S)	953	238	1140	971	1044	838	19.1	3.7	23.224	C
4 - A1079 (W)	825	206	1014	819	879	1097	2.5	1.6	6.025	A

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

15:45 - 16:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	370	684	0.541	376	360	0.0	1.0	10.813	B
			2	1, 3, 4	260	690	0.378	261	270	0.0	0.8	9.086	A
		2	1	(1, 2, 3, 4)	631			631	637	0.0	0.0	0.001	A
	Exit	1	1		509			509	517	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	328	916	0.358	332	327	0.0	0.6	6.458	A
			2	4	657	845	0.781	650	685	0.0	3.1	13.044	B
			3	1, 2	310	909	0.341	311	315	0.0	0.5	6.400	A
		2	1	(3, 4)	996			985	1029	0.0	2.1	3.256	A
			2	(1, 2)	310			310	317	0.0	0.0	0.033	A
	Exit	1	1		1493			1493	1535	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	274	765	0.360	272	279	0.0	0.6	7.215	A
			2	1	197	775	0.255	196	198	0.0	0.3	5.315	A
			3	2, 3	509	797	0.640	507	507	0.0	1.6	11.516	B
		2	1	(1, 4)	472			472	480	0.0	0.0	0.037	A
			2	(2, 3)	511			509	513	0.0	0.4	1.716	A
	Exit	1	1		753			753	760	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	357	925	0.386	354	388	0.0	0.6	5.000	A
			2	2, 3, 4	453	926	0.489	453	482	0.0	0.7	5.861	A
		2	1	(1, 2, 3, 4)	809			809	876	0.0	0.0	0.000	A
	Exit	1	1		955			955	998	0.0	0.0	0.000	A

16:00 - 16:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	419	596	0.702	428	416	1.0	2.3	19.893	C
			2	1, 3, 4	320	604	0.530	321	318	0.8	0.8	11.878	B
		2	1	(1, 2, 3, 4)	732			739	739	0.0	0.2	0.796	A
	Exit	1	1		614			614	626	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	367	887	0.414	370	386	0.6	0.9	7.539	A
			2	4	725	806	0.899	730	816	3.1	3.6	18.406	C
			3	1, 2	381	879	0.433	379	386	0.5	0.8	7.345	A
		2	1	(3, 4)	1128			1092	1204	2.1	11.8	25.033	D
			2	(1, 2)	381			381	387	0.0	0.0	0.030	A
	Exit	1	1		1768			1768	1799	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	317	728	0.435	325	354	0.6	0.3	9.739	A
			2	1	226	734	0.308	223	230	0.3	0.4	6.869	A
			3	2, 3	627	750	0.837	631	603	1.6	3.2	18.724	C
		2	1	(1, 4)	543			543	583	0.0	0.0	0.126	A
			2	(2, 3)	626			627	610	0.4	1.7	9.828	A
	Exit	1	1		890			890	908	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	438	846	0.519	434	464	0.6	1.2	6.246	A
			2	2, 3, 4	522	853	0.610	524	572	0.7	1.0	7.108	A
		2	1	(1, 2, 3, 4)	960			960	1040	0.0	0.0	0.000	A
	Exit	1	1		1095			1095	1212	0.0	0.0	0.000	A

16:15 - 16:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	493	504	0.981	490	493	2.3	6.6	42.060	E
			2	1, 3, 4	385	505	0.763	379	385	0.8	3.1	25.857	D
		2	1	(1, 2, 3, 4)	902			878	904	0.2	6.1	14.614	B
	Exit	1	1		772			772	790	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	378	856	0.441	377	385	0.9	0.7	9.309	A
			2	4	798	786	1.018	799	863	3.6	5.2	23.188	C
			3	1, 2	464	846	0.549	465	483	0.8	0.9	9.548	A
		2	1	(3, 4)	1440			1176	1255	11.8	75.6	144.640	F
			2	(1, 2)	462			464	484	0.0	0.0	0.254	A
	Exit	1	1		2087			2087	2165	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	401	680	0.592	404	410	0.3	1.4	11.319	B
			2	1	290	689	0.423	293	294	0.4	0.6	8.455	A
			3	2, 3	688	698	0.982	689	683	3.2	5.6	27.244	D
		2	1	(1, 4)	692			691	711	0.0	0.1	0.540	A
			2	(2, 3)	730			688	692	1.7	16.2	51.571	F
	Exit	1	1		1002			1002	1014	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	585	793	0.743	575	608	1.2	3.0	13.349	B
			2	2, 3, 4	658	793	0.834	645	684	1.0	3.8	14.608	B
		2	1	(1, 2, 3, 4)	1244			1244	1314	0.0	0.1	0.140	A
	Exit	1	1		1256			1256	1319	0.0	0.0	0.000	A

16:30 - 16:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	474	509	0.934	472	482	6.6	8.0	58.636	F
			2	1, 3, 4	366	509	0.718	367	370	3.1	3.5	30.885	D
		2	1	(1, 2, 3, 4)	898			840	859	6.1	19.6	57.256	F
	Exit	1	1		741			741	773	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	392	860	0.455	391	379	0.7	1.3	9.491	A
			2	4	790	786	1.004	784	858	5.2	5.3	24.081	C
			3	1, 2	450	850	0.529	449	466	0.9	0.8	8.794	A
		2	1	(3, 4)	1453			1182	1239	75.6	139.7	344.628	F
			2	(1, 2)	449			450	466	0.0	0.0	0.267	A
	Exit	1	1		2062			2062	2164	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	409	687	0.591	406	417	1.4	1.4	12.891	B
			2	1	280	702	0.399	285	297	0.6	0.4	8.848	A
			3	2, 3	698	711	0.982	702	697	5.6	5.7	29.929	D
		2	1	(1, 4)	686			689	712	0.1	0.1	0.897	A
			2	(2, 3)	757			698	697	16.2	31.1	123.976	F
	Exit	1	1		1000			1000	1010	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	555	785	0.704	552	617	3.0	1.9	11.727	B
			2	2, 3, 4	615	793	0.779	622	683	3.8	1.9	13.933	B
		2	1	(1, 2, 3, 4)	1170			1170	1285	0.1	0.0	0.001	A
	Exit	1	1		1224			1224	1318	0.0	0.0	0.000	A

16:45 - 17:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	440	589	0.749	466	484	8.0	3.5	44.859	E
			2	1, 3, 4	334	587	0.571	330	359	3.5	2.2	22.142	C
		2	1	(1, 2, 3, 4)	711			773	819	19.6	2.0	43.794	E
	Exit	1	1		581			581	629	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	390	883	0.442	389	390	1.3	0.9	9.281	A
			2	4	810	817	0.995	813	865	5.3	5.0	23.582	C
			3	1, 2	368	879	0.419	367	390	0.8	0.8	7.168	A
		2	1	(3, 4)	1161			1199	1253	139.7	131.7	413.840	F
			2	(1, 2)	368			368	390	0.0	0.0	0.033	A
	Exit	1	1		1848			1848	1982	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	343	705	0.486	334	343	1.4	1.5	10.888	B
			2	1	202	710	0.285	205	231	0.4	0.4	7.328	A
			3	2, 3	641	729	0.881	652	687	5.7	4.2	26.936	D
		2	1	(1, 4)	546			546	574	0.1	0.0	0.331	A
			2	(2, 3)	590			641	681	31.1	13.0	115.178	F
	Exit	1	1		911			911	947	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	443	834	0.530	440	483	1.9	1.2	7.862	A
			2	2, 3, 4	523	856	0.610	526	575	1.9	1.3	9.119	A
		2	1	(1, 2, 3, 4)	968			968	1052	0.0	0.0	0.000	A
	Exit	1	1		1183			1183	1249	0.0	0.0	0.000	A

17:00 - 17:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	355	682	0.521	356	381	3.5	1.1	14.020	B
			2	1, 3, 4	266	682	0.390	269	283	2.2	0.6	11.239	B
		2	1	(1, 2, 3, 4)	621			621	648	2.0	0.0	1.300	A
	Exit	1	1		521			521	538	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	402	907	0.443	404	398	0.9	1.0	8.913	A
			2	4	789	841	0.939	792	889	5.0	4.9	22.332	C
			3	1, 2	319	902	0.354	318	323	0.8	0.5	6.096	A
		2	1	(3, 4)	1014			1191	1287	131.7	79.4	288.027	F
			2	(1, 2)	319			319	322	0.0	0.0	0.011	A
	Exit	1	1		1473			1473	1598	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	276	726	0.381	275	284	1.5	0.6	7.661	A
			2	1	195	722	0.271	197	207	0.4	0.3	6.532	A
			3	2, 3	493	750	0.657	499	553	4.2	1.8	18.248	C
		2	1	(1, 4)	471			471	486	0.0	0.0	0.003	A
			2	(2, 3)	482			493	543	13.0	1.0	21.509	C
	Exit	1	1		838			838	854	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	362	903	0.401	358	386	1.2	0.7	5.527	A
			2	2, 3, 4	463	928	0.500	461	493	1.3	0.9	6.411	A
		2	1	(1, 2, 3, 4)	825			825	875	0.0	0.0	0.000	A
	Exit	1	1		1097			1097	1209	0.0	0.0	0.000	A

Lane movements: Main Results for each time segment

15:45 - 16:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	370	93	1112	681	0.544	376	360	0.0	1.0	10.813	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	230	58	1112	688	0.335	231	240	0.0	0.7	9.230	A
				4	30	8	1112	690	0.044	30	30	0.0	0.1	7.926	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	370	93	-	-	-	370	364	0.0	0.0	0.001	A
				3	230	58	-	-	-	230	243	0.0	0.0	0.000	A
				4	30	8	-	-	-	30	30	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	328	82	1051	918	0.357	332	327	0.0	0.6	6.458	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	657	164	1051	845	0.781	650	685	0.0	3.1	13.044	B
			3	1	310	77	1051	909	0.340	310	314	0.0	0.5	6.407	A
				2	0.41	0.10	145	133	0.003	0.41	0.55	0.0	0.0	2.948	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	333	83	-	-	-	328	330	0.0	0.7	2.858	A
				4	663	166	-	-	-	657	700	0.0	1.4	3.461	A
			2	1	310	77	-	-	-	310	316	0.0	0.0	0.033	A
				2	0.41	0.10	-	-	-	0.41	0.55	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	274	69	1106	766	0.359	272	279	0.0	0.6	7.215	A
			2	1	197	49	1106	777	0.254	196	198	0.0	0.3	5.315	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	509	127	1106	796	0.640	507	507	0.0	1.6	11.516	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	197	49	-	-	-	197	199	0.0	0.0	0.008	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	274	69	-	-	-	274	282	0.0	0.0	0.058	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	511	128	-	-	-	509	513	0.0	0.4	1.716	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	3	0.72	980	733	0.004	3	5	0.0	0.0	4.619	A
				2	354	88	1354	923	0.384	351	383	0.0	0.6	5.005	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	262	65	1354	913	0.287	259	284	0.0	0.4	5.008	A
				3	187	47	1354	959	0.195	190	193	0.0	0.3	7.017	A
				4	4	1	607	225	0.017	4	5	0.0	0.0	9.329	A
		2	1	1	3	0.72	-	-	-	3	5	0.0	0.0	0.000	A
				2	615	154	-	-	-	615	672	0.0	0.0	0.000	A
				3	187	47	-	-	-	187	194	0.0	0.0	0.000	A
				4	4	1	-	-	-	4	5	0.0	0.0	0.000	A

16:00 - 16:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	419	105	1112	597	0.701	428	416	1.0	2.3	19.893	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	283	71	1112	601	0.470	285	283	0.8	0.7	11.751	B
				4	37	9	1112	614	0.061	36	35	0.8	0.1	12.897	B
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	416	104	-	-	-	419	421	0.0	0.2	0.843	A
				3	280	70	-	-	-	283	283	0.0	0.0	0.674	A
				4	36	9	-	-	-	37	35	0.0	0.0	1.227	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	367	92	1051	890	0.413	370	386	0.6	0.9	7.539	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	725	181	1051	807	0.898	730	816	3.1	3.6	18.406	C
			3	1	381	95	1051	880	0.432	379	386	0.5	0.8	7.350	A
				2	0.41	0.10	181	155	0.003	0.41	0.69	0.0	0.0	4.578	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	379	95	-	-	-	367	387	2.1	3.9	24.169	C
				4	749	187	-	-	-	725	817	2.1	7.9	25.476	D
			2	1	381	95	-	-	-	381	387	0.0	0.0	0.030	A
				2	0.41	0.10	-	-	-	0.41	0.69	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	317	79	1106	725	0.437	325	354	0.6	0.3	9.739	A
			2	1	226	56	1106	731	0.309	223	230	0.3	0.4	6.869	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	627	157	1106	749	0.838	631	603	1.6	3.2	18.724	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	226	56	-	-	-	226	231	0.0	0.0	0.061	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	317	79	-	-	-	317	352	0.0	0.0	0.169	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	626	156	-	-	-	627	610	0.4	1.7	9.828	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	10	2	1261	804	0.012	11	10	0.0	0.0	7.233	A
				2	428	107	1354	846	0.508	423	454	0.6	1.2	6.223	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	287	72	1354	858	0.334	285	326	0.7	0.6	6.043	A
				3	232	58	1354	857	0.268	235	239	0.7	0.4	8.430	A
				4	4	1	794	277	0.015	5	7	0.0	0.0	13.506	B
		2	1	1	10	2	-	-	-	10	10	0.0	0.0	0.000	A
				2	715	179	-	-	-	715	783	0.0	0.0	0.000	A
				3	232	58	-	-	-	232	239	0.0	0.0	0.000	A
				4	4	1	-	-	-	4	7	0.0	0.0	0.000	A

16:15 - 16:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	493	123	1112	503	0.981	490	493	2.3	6.6	42.060	E
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	333	83	1112	504	0.662	328	341	0.8	2.8	25.957	D
				4	51	13	1112	501	0.102	51	43	0.8	0.3	25.067	D
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	509	127	-	-	-	493	510	0.2	3.4	14.679	B
				3	342	85	-	-	-	333	350	0.0	2.5	14.569	B
				4	50	13	-	-	-	51	44	0.0	0.2	14.221	B
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	378	94	1051	856	0.441	377	385	0.9	0.7	9.309	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	798	200	1051	786	1.018	799	863	3.6	5.2	23.188	C
			3	1	463	116	1051	846	0.548	464	482	0.8	0.9	9.544	A
				2	0.83	0.21	326	271	0.003	0.83	1	0.0	0.0	11.162	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	467	117	-	-	-	378	384	11.8	24.9	143.996	F
				4	972	243	-	-	-	798	870	11.8	50.7	144.954	F
			2	1	461	115	-	-	-	463	482	0.0	0.0	0.254	A
				2	0.83	0.21	-	-	-	0.83	1	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	401	100	1106	679	0.592	404	410	0.3	1.4	11.319	B
			2	1	290	73	1106	694	0.420	293	294	0.4	0.6	8.455	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	688	172	1106	698	0.982	689	683	3.2	5.6	27.244	D
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	291	73	-	-	-	290	295	0.0	0.1	0.425	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	401	100	-	-	-	401	416	0.0	0.0	0.624	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	730	182	-	-	-	688	692	1.7	16.2	51.571	F
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	14	4	1307	769	0.018	14	14	0.0	0.1	15.614	C
				2	572	143	1354	793	0.725	561	594	1.2	2.9	13.296	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	355	89	1354	781	0.458	346	393	1.0	2.0	13.321	B
				3	301	75	1354	808	0.374	297	288	1.0	1.8	16.277	C
				4	2	1	467	152	0.014	2	3	0.0	0.0	14.976	B
		2	1	1	14	4	-	-	-	14	15	0.0	0.0	0.155	A
				2	927	232	-	-	-	927	1002	0.0	0.1	0.130	A
				3	301	75	-	-	-	301	294	0.0	0.0	0.173	A
				4	2	1	-	-	-	2	3	0.0	0.0	0.000	A

16:30 - 16:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	474	118	1112	508	0.934	472	482	6.6	8.0	58.636	F
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	330	83	1112	509	0.648	334	333	3.1	2.9	30.741	D
				4	36	9	1112	518	0.069	33	37	3.1	0.6	32.128	D
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	505	126	-	-	-	474	488	6.1	10.6	56.861	F
				3	352	88	-	-	-	330	333	6.1	8.0	57.475	F
				4	40	10	-	-	-	36	38	6.1	1.1	60.244	F
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	392	98	1051	860	0.455	391	379	0.7	1.3	9.491	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	790	197	1051	786	1.004	784	858	5.2	5.3	24.081	C
			3	1	448	112	1051	851	0.527	448	465	0.9	0.8	8.798	A
				2	1	0.31	254	214	0.006	1	1	0.0	0.0	7.430	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	482	120	-	-	-	392	381	75.6	45.8	343.398	F
				4	972	243	-	-	-	790	858	75.6	93.9	345.229	F
			2	1	448	112	-	-	-	448	464	0.0	0.0	0.267	A
				2	1	0.31	-	-	-	1	1	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	409	102	1106	688	0.590	406	417	1.4	1.4	12.891	B
			2	1	280	70	1106	702	0.399	285	297	0.6	0.4	8.848	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	698	175	1106	710	0.983	702	697	5.6	5.7	29.929	D
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	279	70	-	-	-	280	296	0.1	0.0	0.810	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	406	102	-	-	-	409	416	0.1	0.1	0.960	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	757	189	-	-	-	698	697	16.2	31.1	123.976	F
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	7	2	1307	706	0.010	8	12	3.0	0.0	13.615	B
				2	548	137	1354	785	0.698	544	605	3.0	1.8	11.692	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	339	85	1354	771	0.439	342	380	3.8	0.8	12.350	B
				3	273	68	1354	814	0.337	275	298	3.8	1.1	15.835	C
				4	2	1	607	193	0.013	2	5	0.0	0.0	16.349	C
		2	1	1	7	2	-	-	-	7	12	0.0	0.0	0.000	A
				2	888	222	-	-	-	888	973	0.1	0.0	0.001	A
				3	273	68	-	-	-	273	295	0.0	0.0	0.001	A
				4	2	1	-	-	-	2	5	0.0	0.0	0.000	A

16:45 - 17:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	440	110	1112	588	0.750	466	484	8.0	3.5	44.859	E
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	300	75	1112	586	0.514	297	322	3.5	1.9	22.095	C
				4	34	8	1112	599	0.057	33	37	3.5	0.3	22.557	C
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	405	101	-	-	-	440	465	19.6	1.1	45.029	E
				3	276	69	-	-	-	300	318	19.6	0.9	42.437	E
				4	30	8	-	-	-	34	36	19.6	0.0	39.568	E
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	390	98	1051	882	0.442	389	390	1.3	0.9	9.281	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	810	203	1051	817	0.995	813	865	5.3	5.0	23.582	C
			3	1	367	92	1051	878	0.418	366	389	0.8	0.8	7.163	A
				2	0.83	0.21	145	124	0.007	0.83	0.97	0.0	0.0	9.104	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	383	96	-	-	-	390	389	139.7	42.3	415.144	F
				4	778	194	-	-	-	810	864	139.7	89.3	413.212	F
			2	1	367	92	-	-	-	367	389	0.0	0.0	0.033	A
				2	0.83	0.21	-	-	-	0.83	0.97	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	343	86	1106	702	0.488	334	343	1.4	1.5	10.888	B
			2	1	202	50	1106	713	0.284	205	231	0.4	0.4	7.328	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	641	160	1106	729	0.881	652	687	5.7	4.2	26.936	D
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	202	50	-	-	-	202	231	0.1	0.0	0.231	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	343	86	-	-	-	343	343	0.1	0.0	0.399	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	590	147	-	-	-	641	681	31.1	13.0	115.178	F
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	10	2	1214	736	0.013	10	9	1.9	0.0	10.120	B
				2	434	108	1354	834	0.519	431	474	1.9	1.1	7.819	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	297	74	1354	839	0.354	298	336	1.9	0.8	7.805	A
				3	224	56	1354	890	0.253	225	235	1.9	0.6	10.920	B
				4	2	1	560	190	0.011	3	4	0.0	0.0	11.728	B
		2	1	1	10	2	-	-	-	10	9	0.0	0.0	0.000	A
				2	730	183	-	-	-	730	807	0.0	0.0	0.000	A
				3	224	56	-	-	-	224	232	0.0	0.0	0.000	A
				4	2	1	-	-	-	2	4	0.0	0.0	0.000	A

17:00 - 17:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	355	89	1112	682	0.521	356	381	3.5	1.1	14.020	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	240	60	1112	680	0.352	242	252	2.2	0.5	11.258	B
				4	26	7	1112	688	0.039	27	32	2.2	0.0	11.100	B
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	355	89	-	-	-	355	372	2.0	0.0	1.353	A
				3	240	60	-	-	-	240	246	2.0	0.0	1.203	A
				4	26	7	-	-	-	26	31	0.0	0.0	1.428	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	402	101	1051	906	0.443	404	398	0.9	1.0	8.913	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	789	197	1051	841	0.939	792	889	5.0	4.9	22.332	C
			3	1	319	80	1051	905	0.353	318	323	0.8	0.5	6.097	A
				2	0.41	0.10	36	31	0.013	0.41	0.14	0.0	0.0	4.214	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	336	84	-	-	-	402	399	131.7	26.1	291.046	F
				4	678	170	-	-	-	789	888	131.7	53.3	286.556	F
			2	1	319	80	-	-	-	319	322	0.0	0.0	0.011	A
				2	0.41	0.10	-	-	-	0.41	0.14	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	276	69	1106	726	0.381	275	284	1.5	0.6	7.661	A
			2	1	195	49	1106	721	0.271	197	207	0.4	0.3	6.532	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	493	123	1106	749	0.658	499	553	4.2	1.8	18.248	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	195	49	-	-	-	195	206	0.0	0.0	0.002	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	276	69	-	-	-	276	280	0.0	0.0	0.004	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	482	120	-	-	-	493	543	13.0	1.0	21.509	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	7	2	1307	803	0.009	7	8	1.2	0.0	6.598	A
				2	355	89	1354	907	0.392	351	378	1.2	0.7	5.505	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	267	67	1354	923	0.289	266	285	1.3	0.4	5.603	A
				3	192	48	1354	944	0.203	192	203	1.3	0.4	7.477	A
				4	4	1	654	236	0.018	3	5	0.0	0.1	8.894	A
		2	1	1	7	2	-	-	-	7	8	0.0	0.0	0.000	A
				2	623	156	-	-	-	623	659	0.0	0.0	0.000	A
				3	192	48	-	-	-	192	203	0.0	0.0	0.000	A
				4	4	1	-	-	-	4	5	0.0	0.0	0.000	A

2023 Survey, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Geometry	4 - A1079 (W) - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Info	Simulation	A1 - [Lane Simulation]	This run uses Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	J17 - Dunswell Roundabout	Standard Roundabout		1, 2, 3, 4	60.92	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	60.92	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D9	2023 Survey	AM	ONE HOUR	07:15	08:45	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1 - A1174 (N)		ONE HOUR	✓	773	100.000
2 - A1033 (E)		ONE HOUR	✓	1701	100.000
3 - A1079 (S)		ONE HOUR	✓	863	100.000
4 - A1079 (W)		ONE HOUR	✓	1016	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	384	343	46
	2 - A1033 (E)	497	1	431	772
	3 - A1079 (S)	227	338	0	298
	4 - A1079 (W)	15	655	346	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80

Heavy Vehicle %

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	3	4	4
	2 - A1033 (E)	3	0	3	5
	3 - A1079 (S)	4	4	0	5
	4 - A1079 (W)	7	3	3	0

Cyclist %

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	0	0	0
	2 - A1033 (E)	0	0	0	0
	3 - A1079 (S)	0	0	0	0
	4 - A1079 (W)	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
1 - A1174 (N)	21.21	5.1	C	712	1069
2 - A1033 (E)	136.35	68.8	F	1538	2307
3 - A1079 (S)	11.49	3.5	B	790	1186
4 - A1079 (W)	7.81	2.7	A	923	1384

Main Results for each time segment

07:15 - 07:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	588	147	985	584	596	542	0.0	1.5	7.188	A
2 - A1033 (E)	1271	318	559	1271	1315	1011	0.0	3.8	9.816	A
3 - A1079 (S)	650	162	983	646	672	847	0.0	1.2	6.539	A
4 - A1079 (W)	733	183	791	736	787	838	0.0	0.9	4.716	A

07:30 - 07:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	710	177	1194	711	730	657	1.5	1.9	10.213	B
2 - A1033 (E)	1510	378	667	1511	1560	1238	3.8	10.4	18.808	C
3 - A1079 (S)	790	197	1189	781	813	988	1.2	2.6	8.052	A
4 - A1079 (W)	889	222	960	890	930	1010	0.9	0.9	5.513	A

07:45 - 08:00

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	822	205	1491	814	849	795	1.9	4.4	16.604	C
2 - A1033 (E)	1871	468	796	1716	1787	1508	10.4	52.4	74.140	F
3 - A1079 (S)	939	235	1344	937	988	1169	2.6	2.8	10.711	B
4 - A1079 (W)	1133	283	1152	1134	1145	1129	0.9	2.2	7.808	A

08:00 - 08:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	855	214	1447	848	884	799	4.4	5.1	21.213	C
2 - A1033 (E)	1788	447	796	1824	1859	1499	52.4	68.6	136.345	F
3 - A1079 (S)	952	238	1389	953	970	1232	2.8	3.3	11.490	B
4 - A1079 (W)	1092	273	1160	1086	1143	1179	2.2	2.7	7.623	A

08:15 - 08:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	714	178	1208	700	734	659	5.1	2.9	12.395	B
2 - A1033 (E)	1521	380	667	1615	1719	1241	68.6	37.5	104.219	F
3 - A1079 (S)	775	194	1243	778	817	1040	3.3	1.9	8.620	A
4 - A1079 (W)	911	228	953	913	940	1067	2.7	1.2	6.168	A

08:30 - 08:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	588	147	1016	589	615	543	2.9	0.9	7.610	A
2 - A1033 (E)	1260	315	582	1321	1451	1023	37.5	5.4	34.361	D
3 - A1079 (S)	632	158	1003	635	672	900	1.9	0.9	7.211	A
4 - A1079 (W)	779	195	781	778	797	857	1.2	0.8	4.603	A

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

07:15 - 07:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	290	784	0.370	286	298	0.0	0.9	7.119	A
			2	1, 3, 4	298	768	0.388	299	299	0.0	0.6	7.258	A
		2	1	(1, 2, 3, 4)	588			588	603	0.0	0.0	0.000	A
	Exit	1	1		542			542	563	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	327	865	0.379	327	336	0.0	0.6	6.997	A
			2	4	575	852	0.679	575	605	0.0	1.8	11.072	B
			3	1, 2	367	873	0.420	368	373	0.0	0.9	7.195	A
		2	1	(3, 4)	904			902	952	0.0	0.6	1.235	A
			2	(1, 2)	367			367	377	0.0	0.0	0.027	A
	Exit	1	1		1011			1011	1061	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	222	776	0.286	223	234	0.0	0.3	6.847	A
			2	1	168	785	0.214	165	179	0.0	0.5	5.960	A
			3	2, 3	259	788	0.329	258	259	0.0	0.4	6.585	A
		2	1	(1, 4)	390			391	416	0.0	0.0	0.049	A
			2	(2, 3)	259			259	261	0.0	0.0	0.004	A
	Exit	1	1		847			847	870	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	290	1023	0.283	290	310	0.0	0.4	4.218	A
			2	2, 3, 4	443	1034	0.429	447	477	0.0	0.5	5.037	A
		2	1	(1, 2, 3, 4)	733			733	790	0.0	0.0	0.000	A
	Exit	1	1		838			838	875	0.0	0.0	0.000	A

07:30 - 07:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	341	716	0.478	347	358	0.9	0.6	9.562	A
			2	1, 3, 4	368	711	0.517	364	372	0.6	1.3	10.508	B
		2	1	(1, 2, 3, 4)	710			710	732	0.0	0.0	0.170	A
	Exit	1	1		657			657	689	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	364	831	0.439	368	390	0.6	0.9	8.864	A
			2	4	695	820	0.850	697	712	1.8	3.5	17.154	C
			3	1, 2	442	841	0.525	446	458	0.9	1.0	8.312	A
		2	1	(3, 4)	1069			1057	1111	0.6	4.8	8.715	A
			2	(1, 2)	441			442	459	0.0	0.1	0.327	A
	Exit	1	1		1238			1238	1271	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	273	708	0.389	267	280	0.3	1.1	8.524	A
			2	1	202	723	0.279	201	218	0.5	0.4	6.583	A
			3	2, 3	314	723	0.433	313	315	0.4	0.8	8.265	A
		2	1	(1, 4)	477			475	502	0.0	0.2	0.115	A
			2	(2, 3)	314			314	317	0.0	0.0	0.148	A
	Exit	1	1		988			988	1032	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	354	996	0.356	354	376	0.4	0.4	4.791	A
			2	2, 3, 4	535	987	0.541	537	554	0.5	0.6	6.005	A
		2	1	(1, 2, 3, 4)	889			889	930	0.0	0.0	0.000	A
	Exit	1	1		1010			1010	1040	0.0	0.0	0.000	A

07:45 - 08:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	412	623	0.659	415	420	0.6	2.0	16.793	C
			2	1, 3, 4	408	618	0.660	398	429	1.3	2.3	15.640	C
		2	1	(1, 2, 3, 4)	822			820	859	0.0	0.1	0.354	A
	Exit	1	1		795			795	847	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	422	805	0.524	418	435	0.9	1.6	11.587	B
			2	4	770	788	0.977	768	790	3.5	5.1	23.103	C
			3	1, 2	534	802	0.667	530	562	1.0	2.0	12.357	B
		2	1	(3, 4)	1332			1192	1234	4.8	43.1	79.910	F
			2	(1, 2)	539			534	566	0.1	0.4	1.275	A
	Exit	1	1		1508			1508	1535	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	318	677	0.471	314	340	1.1	1.3	10.921	B
			2	1	246	682	0.360	245	266	0.4	0.8	8.009	A
			3	2, 3	374	680	0.551	378	383	0.8	0.7	11.281	B
		2	1	(1, 4)	564			564	607	0.2	0.0	0.215	A
			2	(2, 3)	374			374	382	0.0	0.0	0.827	A
	Exit	1	1		1169			1169	1205	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	490	916	0.535	489	492	0.4	0.9	6.783	A
			2	2, 3, 4	643	920	0.698	646	654	0.6	1.3	8.574	A
		2	1	(1, 2, 3, 4)	1133			1133	1151	0.0	0.0	0.000	A
	Exit	1	1		1129			1129	1183	0.0	0.0	0.000	A

08:00 - 08:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	443	635	0.698	428	437	2.0	2.6	18.154	C
			2	1, 3, 4	415	634	0.654	420	447	2.3	2.0	20.171	C
		2	1	(1, 2, 3, 4)	855			858	885	0.1	0.6	2.037	A
	Exit	1	1		799			799	837	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	478	807	0.591	479	466	1.6	1.8	12.473	B
			2	4	803	786	1.021	802	825	5.1	5.0	23.702	C
			3	1, 2	536	801	0.667	543	568	2.0	1.9	13.956	B
		2	1	(3, 4)	1260			1280	1290	43.1	59.6	166.917	F
			2	(1, 2)	527			536	567	0.4	0.2	3.174	A
	Exit	1	1		1499			1499	1544	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	334	660	0.506	336	344	1.3	1.1	11.530	B
			2	1	240	664	0.361	242	253	0.8	0.5	8.744	A
			3	2, 3	378	667	0.567	375	372	0.7	1.6	11.999	B
		2	1	(1, 4)	573			574	596	0.0	0.0	0.525	A
			2	(2, 3)	379			378	376	0.0	0.1	0.471	A
	Exit	1	1		1232			1232	1256	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	468	916	0.512	464	492	0.9	1.1	6.408	A
			2	2, 3, 4	624	917	0.682	623	652	1.3	1.6	8.536	A
		2	1	(1, 2, 3, 4)	1092			1092	1145	0.0	0.0	0.000	A
	Exit	1	1		1179			1179	1219	0.0	0.0	0.000	A

08:15 - 08:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	349	716	0.488	344	359	2.6	1.2	11.569	B
			2	1, 3, 4	365	705	0.517	356	376	2.0	1.6	12.611	B
		2	1	(1, 2, 3, 4)	714			714	727	0.6	0.0	0.369	A
	Exit	1	1		659			659	708	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	409	840	0.486	419	428	1.8	0.9	11.020	B
			2	4	743	821	0.907	747	815	5.0	4.5	21.762	C
			3	1, 2	443	837	0.529	449	476	1.9	0.9	9.891	A
		2	1	(3, 4)	1078			1153	1237	59.6	31.1	126.036	F
			2	(1, 2)	443			443	472	0.2	0.0	0.469	A
	Exit	1	1		1241			1241	1280	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	274	706	0.387	274	281	1.1	0.6	8.691	A
			2	1	198	716	0.278	200	218	0.5	0.4	7.631	A
			3	2, 3	304	707	0.431	304	318	1.6	0.8	8.860	A
		2	1	(1, 4)	470			472	496	0.0	0.0	0.190	A
			2	(2, 3)	304			304	315	0.1	0.0	0.078	A
	Exit	1	1		1040			1040	1082	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	375	986	0.381	377	385	1.1	0.3	5.305	A
			2	2, 3, 4	536	985	0.543	537	555	1.6	0.9	6.765	A
		2	1	(1, 2, 3, 4)	911			911	934	0.0	0.0	0.000	A
	Exit	1	1		1067			1067	1141	0.0	0.0	0.000	A

08:30 - 08:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	284	763	0.373	284	296	1.2	0.5	7.433	A
			2	1, 3, 4	304	764	0.398	304	320	1.6	0.5	7.759	A
		2	1	(1, 2, 3, 4)	588			588	608	0.0	0.0	0.008	A
	Exit	1	1		543			543	576	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	344	867	0.397	346	378	0.9	0.8	8.725	A
			2	4	598	840	0.710	604	684	4.5	2.2	16.632	C
			3	1, 2	376	867	0.433	371	388	0.9	1.2	7.187	A
		2	1	(3, 4)	884			942	1053	31.1	1.1	32.751	D
			2	(1, 2)	376			376	389	0.0	0.0	0.139	A
	Exit	1	1		1023			1023	1068	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	221	790	0.281	225	230	0.6	0.2	6.996	A
			2	1	161	765	0.212	161	177	0.4	0.2	6.782	A
			3	2, 3	250	781	0.320	250	265	0.8	0.5	7.554	A
		2	1	(1, 4)	383			383	405	0.0	0.0	0.073	A
			2	(2, 3)	250			250	263	0.0	0.0	0.025	A
	Exit	1	1		900			900	941	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	294	1051	0.281	293	310	0.3	0.2	4.218	A
			2	2, 3, 4	484	1046	0.463	485	487	0.9	0.6	4.848	A
		2	1	(1, 2, 3, 4)	779			779	795	0.0	0.0	0.000	A
	Exit	1	1		857			857	949	0.0	0.0	0.000	A

Lane movements: Main Results for each time segment

07:15 - 07:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	290	72	1112	787	0.369	286	298	0.0	0.9	7.119	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	259	65	1112	774	0.334	259	262	0.0	0.5	7.173	A
				4	39	10	1112	735	0.054	39	36	0.0	0.1	7.878	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	290	72	-	-	-	290	301	0.0	0.0	0.000	A
				3	259	65	-	-	-	259	264	0.0	0.0	0.000	A
				4	39	10	-	-	-	39	37	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	327	82	1051	865	0.379	327	336	0.0	0.6	6.997	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	575	144	1051	852	0.679	575	605	0.0	1.8	11.072	B
			3	1	365	91	1051	871	0.418	366	372	0.0	0.9	7.183	A
				2	2	0.44	309	263	0.007	2	1	0.0	0.0	10.385	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	326	82	-	-	-	327	339	0.0	0.2	1.246	A
				4	578	144	-	-	-	575	613	0.0	0.4	1.229	A
			2	1	365	91	-	-	-	365	376	0.0	0.0	0.027	A
				2	2	0.44	-	-	-	2	1	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	222	56	1106	774	0.287	223	234	0.0	0.3	6.847	A
			2	1	168	42	1106	786	0.214	165	179	0.0	0.5	5.960	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	259	65	1106	788	0.329	258	259	0.0	0.4	6.585	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	168	42	-	-	-	168	180	0.0	0.0	0.009	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	222	55	-	-	-	222	235	0.0	0.0	0.079	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	259	65	-	-	-	259	261	0.0	0.0	0.004	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	11	3	1314	920	0.012	11	12	0.0	0.0	5.128	A
				2	280	70	1354	1029	0.272	279	297	0.0	0.3	4.183	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	185	46	1354	1037	0.179	186	206	0.0	0.2	4.112	A
				3	258	64	1354	1037	0.249	260	271	0.0	0.3	5.738	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	11	3	-	-	-	11	12	0.0	0.0	0.000	A
				2	465	116	-	-	-	465	506	0.0	0.0	0.000	A
				3	258	64	-	-	-	258	272	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

07:30 - 07:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	341	85	1112	714	0.479	347	358	0.9	0.6	9.562	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	321	80	1112	708	0.453	318	324	0.6	1.1	10.601	B
				4	47	12	1112	722	0.065	46	48	0.6	0.2	9.874	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	341	85	-	-	-	341	357	0.0	0.0	0.123	A
				3	321	80	-	-	-	321	327	0.0	0.0	0.214	A
				4	47	12	-	-	-	47	48	0.0	0.0	0.218	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	364	91	1051	831	0.439	368	390	0.6	0.9	8.864	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	695	174	1051	820	0.850	697	712	1.8	3.5	17.154	C
			3	1	440	110	1051	842	0.524	445	456	0.9	1.0	8.303	A
				2	1	0.26	278	226	0.005	1	1	0.0	0.0	11.666	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	370	92	-	-	-	364	391	0.6	1.9	8.886	A
				4	700	175	-	-	-	695	720	0.6	3.0	8.621	A
			2	1	440	110	-	-	-	440	457	0.0	0.1	0.328	A
				2	1	0.26	-	-	-	1	1	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	273	68	1106	707	0.389	267	280	0.3	1.1	8.524	A
			2	1	202	50	1106	723	0.279	201	218	0.5	0.4	6.583	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	314	79	1106	723	0.433	313	315	0.4	0.8	8.265	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	203	51	-	-	-	202	218	0.0	0.1	0.058	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	275	69	-	-	-	273	284	0.0	0.1	0.160	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	314	78	-	-	-	314	317	0.0	0.0	0.148	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	12	3	1354	986	0.012	12	15	0.4	0.1	6.792	A
				2	342	85	1354	995	0.343	342	361	0.4	0.3	4.708	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	233	58	1354	988	0.236	234	236	0.5	0.2	4.653	A
				3	302	75	1354	987	0.306	303	318	0.5	0.4	7.007	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	12	3	-	-	-	12	15	0.0	0.0	0.000	A
				2	575	144	-	-	-	575	597	0.0	0.0	0.000	A
				3	302	75	-	-	-	302	318	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

07:45 - 08:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	412	103	1112	623	0.658	415	420	0.6	2.0	16.793	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	358	90	1112	620	0.577	352	377	1.3	1.9	15.582	C
				4	50	12	1112	598	0.083	46	53	1.3	0.4	16.052	C
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	413	103	-	-	-	412	426	0.0	0.1	0.367	A
				3	359	90	-	-	-	358	380	0.0	0.0	0.343	A
				4	50	12	-	-	-	50	54	0.0	0.0	0.334	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	422	105	1051	805	0.524	418	435	0.9	1.6	11.587	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	770	192	1051	788	0.977	768	790	3.5	5.1	23.103	C
			3	1	534	133	1051	802	0.667	529	561	1.0	2.0	12.357	B
				2	0.35	0.09	216	167	0.002	0.35	0.82	0.0	0.0	12.489	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	480	120	-	-	-	422	437	4.8	15.6	79.319	F
				4	852	213	-	-	-	770	797	4.8	27.6	80.241	F
			2	1	539	135	-	-	-	534	565	0.1	0.4	1.274	A
				2	0.35	0.09	-	-	-	0.35	0.82	0.0	0.0	1.835	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	318	79	1106	677	0.471	314	340	1.1	1.3	10.921	B
			2	1	246	62	1106	681	0.360	245	266	0.4	0.8	8.009	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	374	94	1106	680	0.551	378	383	0.8	0.7	11.281	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	246	62	-	-	-	246	267	0.2	0.0	0.174	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	318	79	-	-	-	318	340	0.2	0.0	0.247	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	374	94	-	-	-	374	382	0.0	0.0	0.827	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	21	5	1354	852	0.024	21	20	0.4	0.0	8.874	A
				2	468	117	1354	918	0.511	467	472	0.4	0.9	6.699	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	248	62	1354	921	0.270	248	260	0.6	0.4	6.777	A
				3	395	99	1354	917	0.429	398	393	0.6	0.9	9.765	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	21	5	-	-	-	21	20	0.0	0.0	0.000	A
				2	717	179	-	-	-	717	735	0.0	0.0	0.000	A
				3	395	99	-	-	-	395	396	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

08:00 - 08:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	443	111	1112	635	0.698	428	437	2.0	2.6	18.154	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	371	93	1112	633	0.584	377	397	2.3	1.7	20.219	C
				4	44	11	1112	648	0.069	43	50	2.3	0.3	19.790	C
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	441	110	-	-	-	443	440	0.1	0.3	1.832	A
				3	369	92	-	-	-	371	396	0.1	0.2	2.169	A
				4	45	11	-	-	-	44	50	0.0	0.1	2.805	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	478	119	1051	808	0.591	479	466	1.6	1.8	12.473	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	803	201	1051	786	1.021	802	825	5.1	5.0	23.702	C
			3	1	533	133	1051	802	0.664	541	566	2.0	1.9	13.960	B
				2	2	0.62	371	291	0.008	2	2	0.0	0.0	12.299	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	461	115	-	-	-	478	467	43.1	20.5	162.547	F
				4	800	200	-	-	-	803	824	43.1	39.1	169.419	F
			2	1	525	131	-	-	-	533	566	0.4	0.2	3.180	A
				2	2	0.62	-	-	-	2	2	0.0	0.0	0.909	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	334	83	1106	660	0.506	336	344	1.3	1.1	11.530	B
			2	1	240	60	1106	663	0.361	242	253	0.8	0.5	8.744	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	378	94	1106	668	0.567	375	372	0.7	1.6	11.999	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	240	60	-	-	-	240	253	0.0	0.0	0.413	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	333	83	-	-	-	334	344	0.0	0.0	0.608	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	379	95	-	-	-	378	376	0.0	0.1	0.471	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	16	4	1314	833	0.019	16	18	0.0	0.1	6.779	A
				2	452	113	1354	919	0.492	448	474	0.9	1.1	6.395	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	248	62	1354	915	0.271	245	258	1.3	0.7	6.522	A
				3	376	94	1354	915	0.411	377	393	1.3	0.9	9.868	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	16	4	-	-	-	16	18	0.0	0.0	0.000	A
				2	700	175	-	-	-	700	734	0.0	0.0	0.000	A
				3	376	94	-	-	-	376	393	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

08:15 - 08:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	349	87	1112	715	0.488	344	359	2.6	1.2	11.569	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	316	79	1112	703	0.450	311	331	2.0	1.4	12.504	B
				4	48	12	1112	714	0.068	46	45	2.0	0.2	13.397	B
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	349	87	-	-	-	349	353	0.6	0.0	0.344	A
				3	316	79	-	-	-	316	330	0.6	0.0	0.400	A
				4	48	12	-	-	-	48	44	0.6	0.0	0.349	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	409	102	1051	841	0.486	419	428	1.8	0.9	11.020	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	743	186	1051	820	0.907	747	815	5.0	4.5	21.762	C
			3	1	441	110	1051	838	0.526	448	475	1.9	0.9	9.894	A
				2	2	0.44	309	251	0.007	2	1	0.0	0.0	9.160	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	379	95	-	-	-	409	424	59.6	11.3	126.710	F
				4	699	175	-	-	-	743	813	59.6	19.9	125.672	F
			2	1	441	110	-	-	-	441	471	0.2	0.0	0.465	A
				2	2	0.44	-	-	-	2	1	0.0	0.0	1.933	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	274	68	1106	705	0.388	274	281	1.1	0.6	8.691	A
			2	1	198	49	1106	717	0.277	200	218	0.5	0.4	7.631	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	304	76	1106	705	0.432	304	318	1.6	0.8	8.860	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	197	49	-	-	-	198	217	0.0	0.0	0.251	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	274	68	-	-	-	274	279	0.0	0.0	0.142	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	304	76	-	-	-	304	315	0.1	0.0	0.078	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	11	3	1274	844	0.013	11	15	1.1	0.0	5.772	A
				2	363	91	1354	987	0.370	366	370	1.1	0.3	5.286	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	228	57	1354	981	0.232	226	232	1.6	0.3	5.028	A
				3	307	77	1354	988	0.311	311	323	1.6	0.6	8.006	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	11	3	-	-	-	11	15	0.0	0.0	0.000	A
				2	593	148	-	-	-	593	597	0.0	0.0	0.000	A
				3	307	77	-	-	-	307	322	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

08:30 - 08:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	284	71	1112	761	0.373	284	296	1.2	0.5	7.433	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	276	69	1112	764	0.361	276	285	1.6	0.4	7.696	A
				4	28	7	1112	771	0.037	28	34	1.6	0.0	8.277	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	284	71	-	-	-	284	293	0.0	0.0	0.005	A
				3	276	69	-	-	-	276	282	0.0	0.0	0.007	A
				4	28	7	-	-	-	28	34	0.0	0.0	0.049	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	344	86	1051	868	0.396	346	378	0.9	0.8	8.725	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	598	149	1051	841	0.710	604	684	4.5	2.2	16.632	C
			3	1	376	94	1051	868	0.433	371	387	0.9	1.2	7.178	A
				2	0	0	93	75	0.000	0	0.47	0.0	0.0	14.411	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	320	80	-	-	-	344	378	31.1	0.3	33.958	D
				4	564	141	-	-	-	598	675	31.1	0.8	32.062	D
			2	1	376	94	-	-	-	376	388	0.0	0.0	0.139	A
				2	0	0	-	-	-	0	0.47	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	221	55	1106	790	0.281	225	230	0.6	0.2	6.996	A
			2	1	161	40	1106	765	0.211	161	177	0.4	0.2	6.782	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	250	62	1106	782	0.320	250	265	0.8	0.5	7.554	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	161	40	-	-	-	161	176	0.0	0.0	0.075	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	221	55	-	-	-	221	229	0.0	0.0	0.072	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	250	62	-	-	-	250	263	0.0	0.0	0.025	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	11	3	1274	1008	0.011	11	12	0.0	0.0	4.062	A
				2	283	71	1354	1048	0.271	282	298	0.3	0.2	4.224	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	207	52	1354	1044	0.199	206	209	0.9	0.2	3.949	A
				3	277	69	1354	1045	0.265	278	277	0.9	0.4	5.524	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	11	3	-	-	-	11	12	0.0	0.0	0.000	A
				2	491	123	-	-	-	491	507	0.0	0.0	0.000	A
				3	277	69	-	-	-	277	277	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

2023 Survey, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Geometry	4 - A1079 (W) - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.
Info	Simulation	A1 - [Lane Simulation]	This run uses Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	J17 - Dunswell Roundabout	Standard Roundabout		1, 2, 3, 4	61.86	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	61.86	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D10	2023 Survey	PM	ONE HOUR	15:45	17:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1 - A1174 (N)		ONE HOUR	✓	803	100.000
2 - A1033 (E)		ONE HOUR	✓	1634	100.000
3 - A1079 (S)		ONE HOUR	✓	1263	100.000
4 - A1079 (W)		ONE HOUR	✓	1005	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	453	312	38
	2 - A1033 (E)	412	1	425	796
	3 - A1079 (S)	249	658	0	356
	4 - A1079 (W)	9	748	248	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80

Heavy Vehicle %

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	1	1	0
	2 - A1033 (E)	2	0	1	5
	3 - A1079 (S)	3	1	0	4
	4 - A1079 (W)	11	3	5	0

Cyclist %

		To			
		1 - A1174 (N)	2 - A1033 (E)	3 - A1079 (S)	4 - A1079 (W)
From	1 - A1174 (N)	0	0	0	0
	2 - A1033 (E)	0	0	0	0
	3 - A1079 (S)	0	0	0	0
	4 - A1079 (W)	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
1 - A1174 (N)	53.33	12.8	F	738	1107
2 - A1033 (E)	99.78	60.2	F	1499	2249
3 - A1079 (S)	60.43	25.7	F	1147	1720
4 - A1079 (W)	8.92	3.0	A	926	1389

Main Results for each time segment

15:45 - 16:00

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	609	152	1263	609	611	496	0.0	1.7	8.448	A
2 - A1033 (E)	1226	307	457	1223	1251	1415	0.0	4.0	10.585	B
3 - A1079 (S)	938	235	941	934	950	739	0.0	2.3	8.301	A
4 - A1079 (W)	789	197	975	784	781	899	0.0	1.6	4.872	A

16:00 - 16:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	719	180	1500	713	723	603	1.7	3.2	13.256	B
2 - A1033 (E)	1470	368	527	1477	1493	1686	4.0	7.2	17.606	C
3 - A1079 (S)	1132	283	1123	1150	1151	881	2.3	4.1	14.631	B
4 - A1079 (W)	892	223	1210	894	944	1063	1.6	1.6	5.974	A

16:15 - 16:30

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	872	218	1781	853	855	737	3.2	11.7	38.981	E
2 - A1033 (E)	1795	449	635	1751	1764	1999	7.2	31.7	48.108	E
3 - A1079 (S)	1358	340	1347	1322	1360	1039	4.1	19.1	37.949	E
4 - A1079 (W)	1118	279	1403	1114	1121	1266	1.6	3.0	8.753	A

16:30 - 16:45

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	886	221	1797	897	887	733	11.7	12.6	53.332	F
2 - A1033 (E)	1815	454	665	1709	1757	2029	31.7	59.8	99.783	F
3 - A1079 (S)	1385	346	1302	1350	1387	1071	19.1	26.0	60.430	F
4 - A1079 (W)	1111	278	1422	1107	1155	1230	3.0	2.7	8.918	A

16:45 - 17:00

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	719	180	1525	742	775	602	12.6	2.5	25.969	D
2 - A1033 (E)	1461	365	539	1613	1658	1729	59.8	25.4	91.345	F
3 - A1079 (S)	1134	283	1208	1174	1222	943	26.0	8.8	41.840	E
4 - A1079 (W)	912	228	1224	903	937	1158	2.7	2.4	6.865	A

17:00 - 17:15

Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Circulating flow (Veh/hr)	Throughput (Veh/hr)	Average throughput (PCU/hr)	Throughput (exit side) (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	619	155	1231	620	617	493	2.5	1.6	9.477	A
2 - A1033 (E)	1229	307	453	1274	1372	1398	25.4	2.8	24.795	C
3 - A1079 (S)	935	234	965	934	978	761	8.8	2.4	12.511	B
4 - A1079 (W)	732	183	989	735	795	911	2.4	0.9	5.349	A

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

15:45 - 16:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	339	712	0.476	338	343	0.0	1.2	9.012	A
			2	1, 3, 4	271	715	0.378	271	269	0.0	0.5	7.725	A
		2	1	(1, 2, 3, 4)	609			609	618	0.0	0.0	0.000	A
	Exit	1	1		496			496	508	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	314	914	0.344	313	319	0.0	0.8	6.085	A
			2	4	611	886	0.691	609	625	0.0	2.2	11.846	B
			3	1, 2	304	908	0.335	302	307	0.0	0.6	6.148	A
		2	1	(3, 4)	922			925	957	0.0	0.3	2.173	A
			2	(1, 2)	304			304	310	0.0	0.0	0.006	A
	Exit	1	1		1415			1415	1399	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	266	793	0.336	261	277	0.0	0.9	7.186	A
			2	1	186	799	0.233	189	193	0.0	0.1	5.942	A
			3	2, 3	486	821	0.592	484	479	0.0	1.2	9.576	A
		2	1	(1, 4)	452			452	475	0.0	0.0	0.046	A
			2	(2, 3)	487			486	484	0.0	0.1	0.217	A
	Exit	1	1		739			739	755	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	347	990	0.351	342	332	0.0	0.7	4.522	A
			2	2, 3, 4	443	977	0.453	441	449	0.0	0.8	5.133	A
		2	1	(1, 2, 3, 4)	789			789	788	0.0	0.0	0.000	A
	Exit	1	1		899			899	932	0.0	0.0	0.000	A

16:00 - 16:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	411	639	0.643	407	411	1.2	1.9	15.376	C
			2	1, 3, 4	307	641	0.479	306	313	0.5	1.2	10.355	B
		2	1	(1, 2, 3, 4)	719			718	729	0.0	0.1	0.032	A
	Exit	1	1		603			603	611	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	387	897	0.431	389	381	0.8	0.9	7.004	A
			2	4	707	859	0.822	704	735	2.2	3.2	15.445	C
			3	1, 2	386	885	0.437	384	377	0.6	0.7	7.005	A
		2	1	(3, 4)	1084			1094	1120	0.3	2.4	8.688	A
			2	(1, 2)	386			386	377	0.0	0.0	0.037	A
	Exit	1	1		1686			1686	1704	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	320	741	0.431	324	331	0.9	0.7	8.338	A
			2	1	212	751	0.283	212	226	0.1	0.5	6.219	A
			3	2, 3	605	767	0.790	614	594	1.2	2.2	15.986	C
		2	1	(1, 4)	532			532	557	0.0	0.0	0.031	A
			2	(2, 3)	600			605	599	0.1	0.7	5.035	A
	Exit	1	1		881			881	894	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	401	903	0.444	403	420	0.7	0.6	5.386	A
			2	2, 3, 4	491	905	0.543	491	524	0.8	0.9	6.449	A
		2	1	(1, 2, 3, 4)	892			892	944	0.0	0.0	0.000	A
	Exit	1	1		1063			1063	1102	0.0	0.0	0.000	A

16:15 - 16:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	505	552	0.915	495	491	1.9	6.1	34.279	D
			2	1, 3, 4	361	551	0.654	358	364	1.2	2.2	19.685	C
		2	1	(1, 2, 3, 4)	872			866	876	0.1	3.3	10.480	B
	Exit	1	1		737			737	758	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	441	864	0.510	440	435	0.9	1.3	9.063	A
			2	4	843	837	1.007	841	859	3.2	5.2	21.049	C
			3	1, 2	469	852	0.550	470	470	0.7	1.0	8.511	A
		2	1	(3, 4)	1326			1285	1303	2.4	24.3	44.538	E
			2	(1, 2)	469			469	471	0.0	0.0	0.151	A
	Exit	1	1		1999			1999	2003	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	393	680	0.577	389	404	0.7	1.3	10.990	B
			2	1	259	689	0.375	261	279	0.5	0.6	8.171	A
			3	2, 3	678	700	0.968	673	677	2.2	5.4	24.045	C
		2	1	(1, 4)	651			651	686	0.0	0.0	0.557	A
			2	(2, 3)	707			678	689	0.7	11.8	38.615	E
	Exit	1	1		1039			1039	1036	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	515	840	0.612	513	516	0.6	1.3	7.952	A
			2	2, 3, 4	604	836	0.723	601	605	0.9	1.7	9.438	A
		2	1	(1, 2, 3, 4)	1118			1118	1127	0.0	0.0	0.000	A
	Exit	1	1		1266			1266	1303	0.0	0.0	0.000	A

16:30 - 16:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	501	547	0.918	509	504	6.1	4.9	41.148	E
			2	1, 3, 4	390	547	0.716	388	383	2.2	2.9	23.823	C
		2	1	(1, 2, 3, 4)	886			891	885	3.3	4.8	19.663	C
	Exit	1	1		733			733	757	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	444	853	0.520	447	448	1.3	1.2	10.040	B
			2	4	814	823	0.988	812	846	5.2	5.4	23.407	C
			3	1, 2	452	847	0.533	450	462	1.0	1.3	8.876	A
		2	1	(3, 4)	1362			1258	1296	24.3	51.8	111.295	F
			2	(1, 2)	453			452	463	0.0	0.1	0.180	A
	Exit	1	1		2029			2029	2057	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	381	695	0.548	378	405	1.3	1.1	11.068	B
			2	1	273	703	0.388	274	287	0.6	0.6	8.359	A
			3	2, 3	699	713	0.980	698	696	5.4	5.7	28.181	D
		2	1	(1, 4)	653			654	691	0.0	0.0	0.293	A
			2	(2, 3)	732			699	697	11.8	18.6	79.029	F
	Exit	1	1		1071			1071	1081	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	514	836	0.616	512	528	1.3	1.2	8.161	A
			2	2, 3, 4	596	826	0.720	595	627	1.7	1.6	9.558	A
		2	1	(1, 2, 3, 4)	1111			1111	1154	0.0	0.0	0.001	A
	Exit	1	1		1230			1230	1291	0.0	0.0	0.000	A

16:45 - 17:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	406	632	0.643	418	437	4.9	1.7	24.845	C
			2	1, 3, 4	316	636	0.497	324	339	2.9	0.8	15.474	C
		2	1	(1, 2, 3, 4)	719			722	754	4.8	0.0	5.997	A
	Exit	1	1		602			602	613	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	434	892	0.486	438	434	1.2	0.8	9.431	A
			2	4	799	852	0.938	804	845	5.4	4.0	20.638	C
			3	1, 2	373	887	0.421	371	380	1.3	0.9	7.537	A
		2	1	(3, 4)	1088			1233	1270	51.8	19.7	103.231	F
			2	(1, 2)	373			373	379	0.1	0.0	0.122	A
	Exit	1	1		1729			1729	1805	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	318	718	0.444	321	332	1.1	0.6	9.684	A
			2	1	222	723	0.306	222	223	0.6	0.4	7.048	A
			3	2, 3	629	740	0.849	631	666	5.7	3.6	23.008	C
		2	1	(1, 4)	541			541	553	0.0	0.0	0.083	A
			2	(2, 3)	593			629	658	18.6	4.1	49.259	E
	Exit	1	1		943			943	962	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	404	900	0.448	399	419	1.2	1.0	6.417	A
			2	2, 3, 4	508	900	0.565	503	518	1.6	1.3	7.228	A
		2	1	(1, 2, 3, 4)	912			912	935	0.0	0.0	0.000	A
	Exit	1	1		1158			1158	1212	0.0	0.0	0.000	A

17:00 - 17:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	2	346	724	0.478	347	345	1.7	0.8	10.402	B
			2	1, 3, 4	274	724	0.378	272	273	0.8	0.8	8.315	A
		2	1	(1, 2, 3, 4)	619			619	613	0.0	0.0	0.000	A
	Exit	1	1		493			493	520	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	3	332	913	0.363	338	351	0.8	0.5	7.232	A
			2	4	614	882	0.698	623	693	4.0	1.6	14.351	B
			3	1, 2	316	908	0.348	313	327	0.9	0.6	6.199	A
		2	1	(3, 4)	913			946	1034	19.7	0.1	19.876	C
			2	(1, 2)	316			316	326	0.0	0.0	0.021	A
	Exit	1	1		1398			1398	1454	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	4	261	782	0.334	259	275	0.6	0.7	8.134	A
			2	1	171	798	0.214	174	186	0.4	0.2	5.794	A
			3	2, 3	503	809	0.621	502	517	3.6	1.4	13.264	B
		2	1	(1, 4)	432			432	460	0.0	0.0	0.026	A
			2	(2, 3)	503			503	508	4.1	0.1	4.610	A
	Exit	1	1		761			761	791	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1, 2	317	977	0.324	317	345	1.0	0.4	4.753	A
			2	2, 3, 4	415	978	0.426	418	450	1.3	0.6	5.810	A
		2	1	(1, 2, 3, 4)	732			732	790	0.0	0.0	0.000	A
	Exit	1	1		911			911	998	0.0	0.0	0.000	A

Lane movements: Main Results for each time segment

15:45 - 16:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	339	85	1112	713	0.476	338	343	0.0	1.2	9.012	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	241	60	1112	714	0.337	241	239	0.0	0.5	7.715	A
				4	30	7	1112	730	0.041	30	30	0.0	0.0	7.809	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	339	85	-	-	-	339	347	0.0	0.0	0.000	A
				3	241	60	-	-	-	241	241	0.0	0.0	0.000	A
				4	30	7	-	-	-	30	30	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	314	78	1051	913	0.344	313	319	0.0	0.8	6.085	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	611	153	1051	886	0.691	609	625	0.0	2.2	11.846	B
			3	1	303	76	1051	908	0.334	301	307	0.0	0.6	6.140	A
				2	0.80	0.20	93	81	0.010	0.80	0.44	0.0	0.0	11.391	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	312	78	-	-	-	314	322	0.0	0.1	1.825	A
				4	610	152	-	-	-	611	634	0.0	0.3	2.356	A
			2	1	303	76	-	-	-	303	309	0.0	0.0	0.006	A
				2	0.80	0.20	-	-	-	0.80	0.44	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	266	66	1106	794	0.335	261	277	0.0	0.9	7.186	A
			2	1	186	47	1106	799	0.233	189	193	0.0	0.1	5.942	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	486	121	1106	820	0.592	484	479	0.0	1.2	9.576	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	186	47	-	-	-	186	194	0.0	0.0	0.022	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	266	66	-	-	-	266	281	0.0	0.0	0.063	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	487	122	-	-	-	486	484	0.0	0.1	0.217	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	6	1	1113	764	0.008	6	8	0.0	0.0	4.761	A
				2	341	85	1354	989	0.345	336	324	0.0	0.7	4.517	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	257	64	1354	986	0.261	256	252	0.0	0.4	4.405	A
				3	186	46	1354	967	0.192	186	197	0.0	0.4	6.077	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	6	1	-	-	-	6	8	0.0	0.0	0.000	A
				2	598	149	-	-	-	598	581	0.0	0.0	0.000	A
				3	186	46	-	-	-	186	199	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

16:00 - 16:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	411	103	1112	641	0.641	407	411	1.2	1.9	15.376	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	274	68	1112	642	0.426	271	276	0.5	1.1	10.299	B
				4	34	8	1112	644	0.053	35	37	0.5	0.0	10.772	B
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	411	103	-	-	-	411	414	0.0	0.1	0.040	A
				3	274	68	-	-	-	274	279	0.0	0.0	0.017	A
				4	34	8	-	-	-	34	37	0.0	0.0	0.048	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	387	97	1051	896	0.431	389	381	0.8	0.9	7.004	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	707	177	1051	859	0.822	704	735	2.2	3.2	15.445	C
			3	1	385	96	1051	885	0.436	383	376	0.6	0.7	7.007	A
				2	1	0.27	187	161	0.007	1	0.80	0.0	0.0	6.028	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	388	97	-	-	-	387	381	0.3	1.0	8.377	A
				4	696	174	-	-	-	707	738	0.3	1.4	8.856	A
			2	1	385	96	-	-	-	385	376	0.0	0.0	0.037	A
				2	1	0.27	-	-	-	1	0.80	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	320	80	1106	740	0.432	324	331	0.9	0.7	8.338	A
			2	1	212	53	1106	751	0.283	212	226	0.1	0.5	6.219	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	605	151	1106	767	0.790	614	594	1.2	2.2	15.986	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	212	53	-	-	-	212	227	0.0	0.0	0.012	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	320	80	-	-	-	320	330	0.0	0.0	0.045	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	600	150	-	-	-	605	599	0.1	0.7	5.035	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	9	2	1143	730	0.012	9	9	0.0	0.0	5.838	A
				2	392	98	1354	904	0.434	394	411	0.7	0.6	5.377	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	269	67	1354	914	0.294	270	287	0.8	0.3	5.462	A
				3	223	56	1354	899	0.248	221	237	0.8	0.6	7.664	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	9	2	-	-	-	9	9	0.0	0.0	0.000	A
				2	661	165	-	-	-	661	697	0.0	0.0	0.000	A
				3	223	56	-	-	-	223	238	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

16:15 - 16:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	505	126	1112	552	0.914	495	491	1.9	6.1	34.279	D
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	322	80	1112	553	0.582	322	324	1.2	1.9	19.748	C
				4	39	10	1112	560	0.069	36	40	1.2	0.4	19.197	C
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	510	128	-	-	-	505	508	0.1	2.0	10.738	B
				3	323	81	-	-	-	322	327	0.1	1.2	10.235	B
				4	38	10	-	-	-	39	41	0.0	0.1	9.225	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	441	110	1051	864	0.510	440	435	0.9	1.3	9.063	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	843	211	1051	837	1.007	841	859	3.2	5.2	21.049	C
			3	1	468	117	1051	853	0.548	469	469	0.7	1.0	8.508	A
				2	1	0.33	257	215	0.006	1	1	0.0	0.0	9.654	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	458	115	-	-	-	441	437	2.4	8.4	43.674	E
				4	867	217	-	-	-	843	867	2.4	15.9	44.988	E
			2	1	468	117	-	-	-	468	470	0.0	0.0	0.149	A
				2	1	0.33	-	-	-	1	1	0.0	0.0	0.815	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	393	98	1106	680	0.578	389	404	0.7	1.3	10.990	B
			2	1	259	65	1106	690	0.375	261	279	0.5	0.6	8.171	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	678	169	1106	700	0.968	673	677	2.2	5.4	24.045	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	259	65	-	-	-	259	279	0.0	0.0	0.447	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	392	98	-	-	-	393	407	0.0	0.0	0.633	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	707	177	-	-	-	678	689	0.7	11.8	38.615	E
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	7	2	1143	684	0.010	7	10	0.6	0.0	10.691	B
				2	508	127	1354	840	0.604	506	506	0.6	1.3	7.906	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	324	81	1354	838	0.386	324	328	0.9	0.8	7.886	A
				3	280	70	1354	832	0.338	277	277	0.9	0.9	11.304	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	7	2	-	-	-	7	9	0.0	0.0	0.000	A
				2	832	208	-	-	-	832	839	0.0	0.0	0.000	A
				3	280	70	-	-	-	280	278	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

16:30 - 16:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	501	125	1112	546	0.919	509	504	6.1	4.9	41.148	E
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	349	87	1112	547	0.639	347	343	2.2	2.5	23.880	C
				4	42	10	1112	555	0.075	41	40	2.2	0.4	23.339	C
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	500	125	-	-	-	501	499	3.3	2.9	19.757	C
				3	344	86	-	-	-	349	346	3.3	1.8	19.545	C
				4	41	10	-	-	-	42	40	3.3	0.2	19.504	C
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	444	111	1051	853	0.520	447	448	1.3	1.2	10.040	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	814	203	1051	823	0.988	812	846	5.2	5.4	23.407	C
			3	1	450	113	1051	846	0.533	449	461	1.0	1.3	8.875	A
				2	1	0.27	257	212	0.005	1	1	1.0	0.0	9.090	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	483	121	-	-	-	444	448	24.3	18.2	110.587	F
				4	879	220	-	-	-	814	848	24.3	33.6	111.684	F
			2	1	451	113	-	-	-	450	462	0.0	0.1	0.180	A
				2	1	0.27	-	-	-	1	1	0.0	0.0	0.128	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	381	95	1106	695	0.548	378	405	1.3	1.1	11.068	B
			2	1	273	68	1106	701	0.389	274	287	0.6	0.6	8.359	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	699	175	1106	713	0.980	698	696	5.4	5.7	28.181	D
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	272	68	-	-	-	273	287	0.0	0.0	0.263	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	381	95	-	-	-	381	404	0.0	0.0	0.314	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	732	183	-	-	-	699	697	11.8	18.6	79.029	F
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	11	3	1234	688	0.016	10	10	0.0	0.1	9.262	A
				2	503	126	1354	836	0.602	501	519	1.3	1.1	8.142	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	319	80	1354	835	0.381	319	337	1.7	0.8	7.891	A
				3	277	69	1354	818	0.339	277	290	1.7	0.8	11.530	B
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	11	3	-	-	-	11	10	0.0	0.0	0.000	A
				2	823	206	-	-	-	823	855	0.0	0.0	0.001	A
				3	277	69	-	-	-	277	289	0.0	0.0	0.001	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

16:45 - 17:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	406	101	1112	632	0.643	418	437	4.9	1.7	24.845	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	282	71	1112	635	0.445	291	304	2.9	0.7	15.590	C
				4	33	8	1112	638	0.052	33	35	2.9	0.1	14.484	B
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	404	101	-	-	-	406	423	4.8	0.0	6.380	A
				3	282	70	-	-	-	282	296	4.8	0.0	5.701	A
				4	33	8	-	-	-	33	34	4.8	0.0	3.866	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	434	108	1051	892	0.486	438	434	1.2	0.8	9.431	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	799	200	1051	852	0.938	804	845	5.4	4.0	20.638	C
			3	1	372	93	1051	887	0.420	371	380	1.3	0.9	7.536	A
				2	0.53	0.13	140	117	0.005	0.80	0.62	0.0	0.0	7.808	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	378	95	-	-	-	434	432	51.8	6.5	102.032	F
				4	710	177	-	-	-	799	838	51.8	13.3	103.870	F
			2	1	372	93	-	-	-	372	378	0.1	0.0	0.122	A
				2	0.53	0.13	-	-	-	0.53	0.62	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	318	80	1106	720	0.443	321	332	1.1	0.6	9.684	A
			2	1	222	56	1106	723	0.306	222	223	0.6	0.4	7.048	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	629	157	1106	740	0.849	631	666	5.7	3.6	23.008	C
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	222	56	-	-	-	222	223	0.0	0.0	0.065	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	318	80	-	-	-	318	330	0.0	0.0	0.095	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	593	148	-	-	-	629	658	18.6	4.1	49.259	E
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	10	2	1173	697	0.014	10	10	1.2	0.0	7.457	A
				2	394	99	1354	903	0.436	390	409	1.2	1.0	6.395	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	291	73	1354	899	0.323	288	293	1.6	0.6	6.189	A
				3	218	54	1354	895	0.244	215	225	1.6	0.7	8.602	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	10	2	-	-	-	10	10	0.0	0.0	0.000	A
				2	685	171	-	-	-	685	701	0.0	0.0	0.000	A
				3	218	54	-	-	-	218	224	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

17:00 - 17:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Simulation max flow (PCU/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Average throughput (PCU/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
1 - A1174 (N)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	346	86	1112	725	0.477	347	345	1.7	0.8	10.402	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	244	61	1112	726	0.336	243	243	0.8	0.7	8.225	A
				4	29	7	1112	728	0.040	29	30	0.8	0.1	9.035	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	346	86	-	-	-	346	341	0.0	0.0	0.000	A
				3	244	61	-	-	-	244	242	0.0	0.0	0.000	A
				4	29	7	-	-	-	29	30	0.0	0.0	0.000	A
2 - A1033 (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	332	83	1051	914	0.363	338	351	0.8	0.5	7.232	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	614	154	1051	882	0.698	623	693	4.0	1.6	14.351	B
			3	1	316	79	1051	907	0.348	313	326	0.9	0.6	6.205	A
				2	0.53	0.13	210	184	0.003	0.53	0.80	0.0	0.0	4.075	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	317	79	-	-	-	332	350	19.7	0.1	19.021	C
				4	595	149	-	-	-	614	684	19.7	0.0	20.334	C
			2	1	316	79	-	-	-	316	325	0.0	0.0	0.021	A
				2	0.53	0.13	-	-	-	0.53	0.80	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
3 - A1079 (S)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	261	65	1106	782	0.334	259	275	0.6	0.7	8.134	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	171	43	1106	796	0.215	174	186	0.4	0.2	5.794	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			3	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	503	126	1106	809	0.622	502	517	3.6	1.4	13.264	B
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	171	43	-	-	-	171	185	0.0	0.0	0.006	A
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	261	65	-	-	-	261	275	0.0	0.0	0.039	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	503	126	-	-	-	503	508	4.1	0.1	4.610	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
4 - A1079 (W)	Entry	1	1	1	7	2	1143	814	0.008	6	8	0.0	0.0	5.669	A
				2	310	78	1354	978	0.318	310	338	1.0	0.3	4.733	A
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
				2	239	60	1354	984	0.243	238	253	1.3	0.4	4.887	A
				3	176	44	1354	964	0.183	180	196	1.3	0.2	7.036	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A
		2	1	1	7	2	-	-	-	7	8	0.0	0.0	0.000	A
				2	549	137	-	-	-	549	587	0.0	0.0	0.000	A
				3	176	44	-	-	-	176	195	0.0	0.0	0.000	A
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	A

Dogger Bank South Offshore Wind Farms

Annex 20 Outline Access Designs

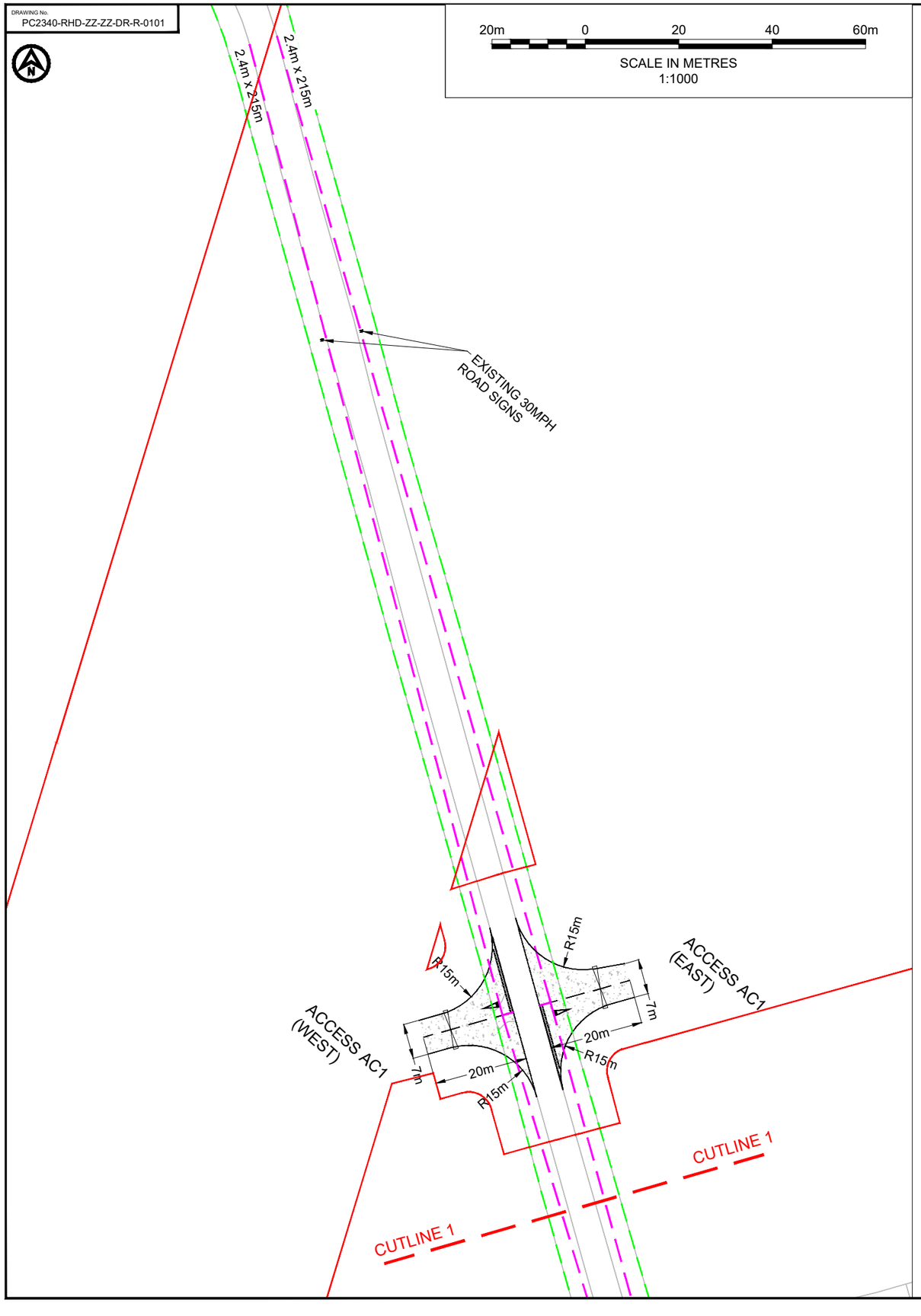
Unrestricted

004300168

DRAWING No.
PC2340-RHD-ZZ-ZZ-DR-R-0101

20m 0 20 40 60m

SCALE IN METRES
1:1000



20m 0 20 40 60m

SCALE IN METRES
1:1000

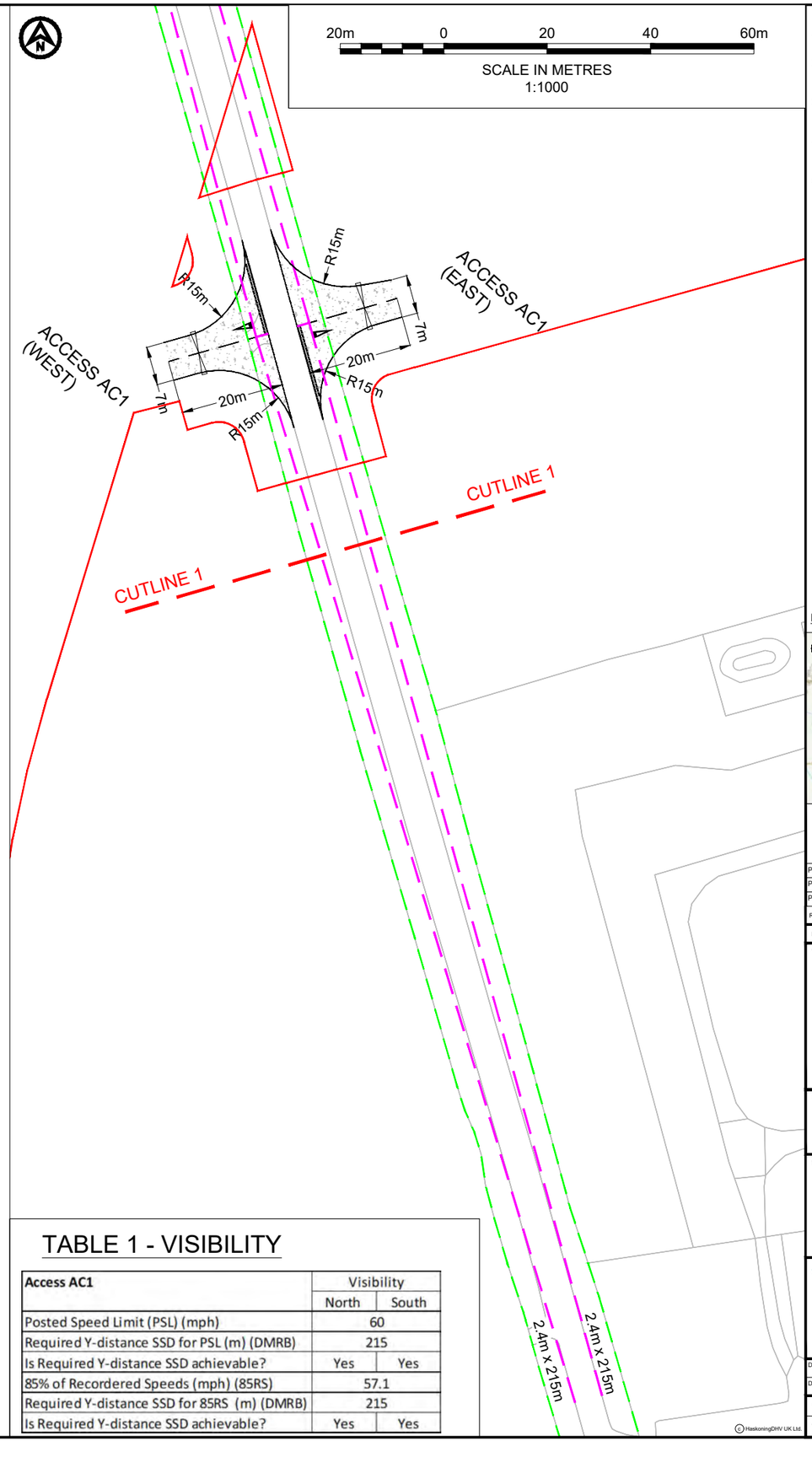


TABLE 1 - VISIBILITY

Access AC1	Visibility	
	North	South
Posted Speed Limit (PSL) (mph)	60	
Required Y-distance SSD for PSL (m) (DMRB)	215	
Is Required Y-distance SSD achievable?	Yes	Yes
85% of Recordered Speeds (mph) (85RS)	57.1	
Required Y-distance SSD for 85RS (m) (DMRB)	215	
Is Required Y-distance SSD achievable?	Yes	Yes

NOTES

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2. This drawing has been based upon Ordnance Survey Maps and Royal HaskoningDHV can not guarentee the accuracy of data.
3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- PROPOSED GATE
- EXISTING TRAFFIC SIGN
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE

LOCATION PLAN



REV	DATE	DESCRIPTION	BY	CHK	APP
P03	27.09.24	UPDATED VIEWPORTS AND NORTH ARROW	AA	SKT	SKT
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC1 (WEST & EAST)
GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 569566
www.royalhaskoningdhv.com

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DRAWN	CHECKED	APPROVED
AA	SKT	SKT

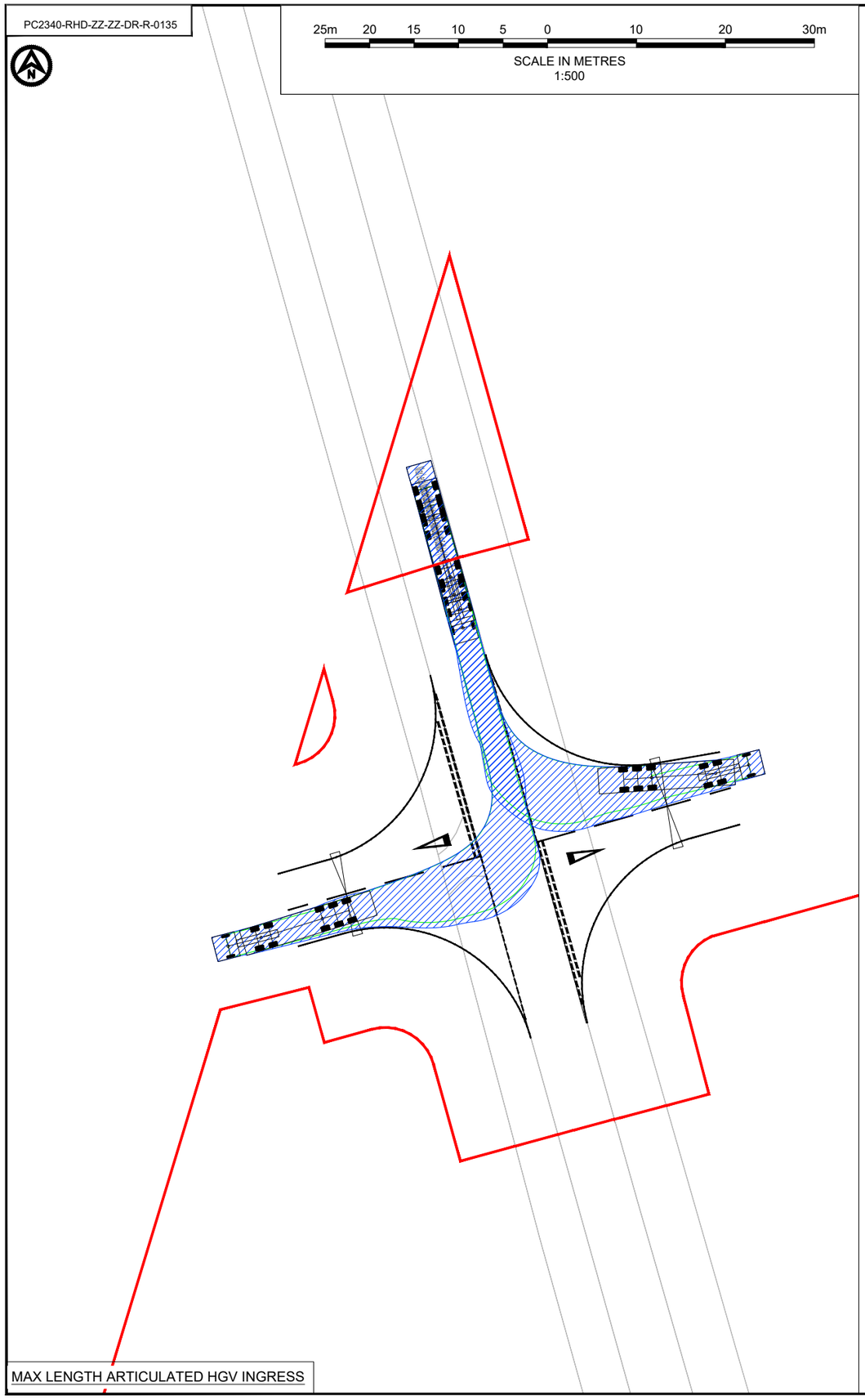
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DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0101 REVISION P03

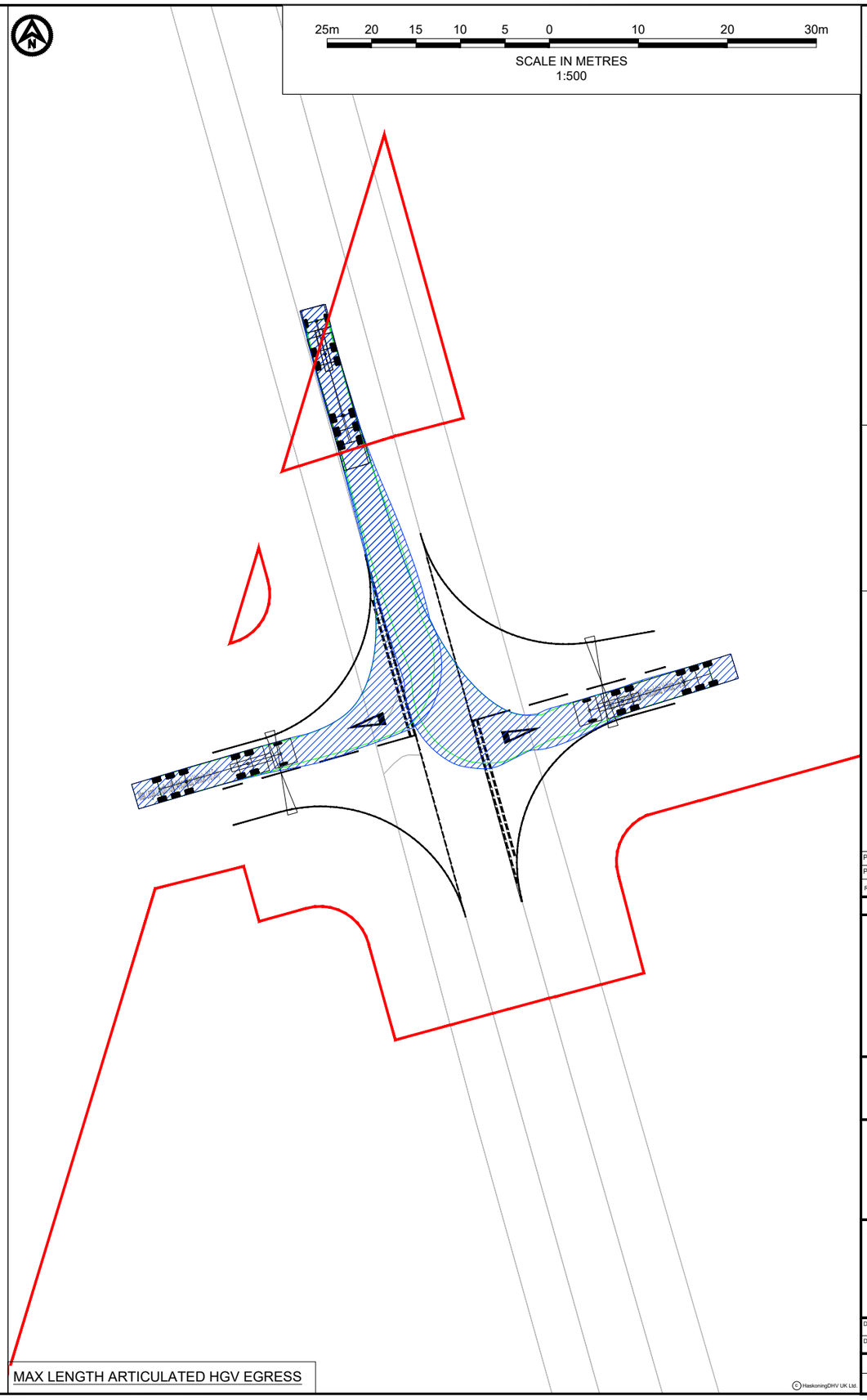
CLIENT DWG No.

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PC2340-RHD-ZZ-ZZ-DR-R-0135



MAX LENGTH ARTICULATED HGV INGRESS



MAX LENGTH ARTICULATED HGV EGRESS

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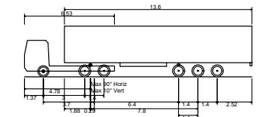
NOTES

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KEY

- EXISTING ARRANGEMENT
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- ONSHORE CABLE CORRIDOR
- PROPOSED GATE

VEHICLE TRACKING



Max Legal Length (UK) Articulated Vehicle (16.5m)

Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	30.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC1 (WEST & EAST)
SWEPT PATH ANALYSIS

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 569566
www.royalhaskoningdhv.com

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AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
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DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0135

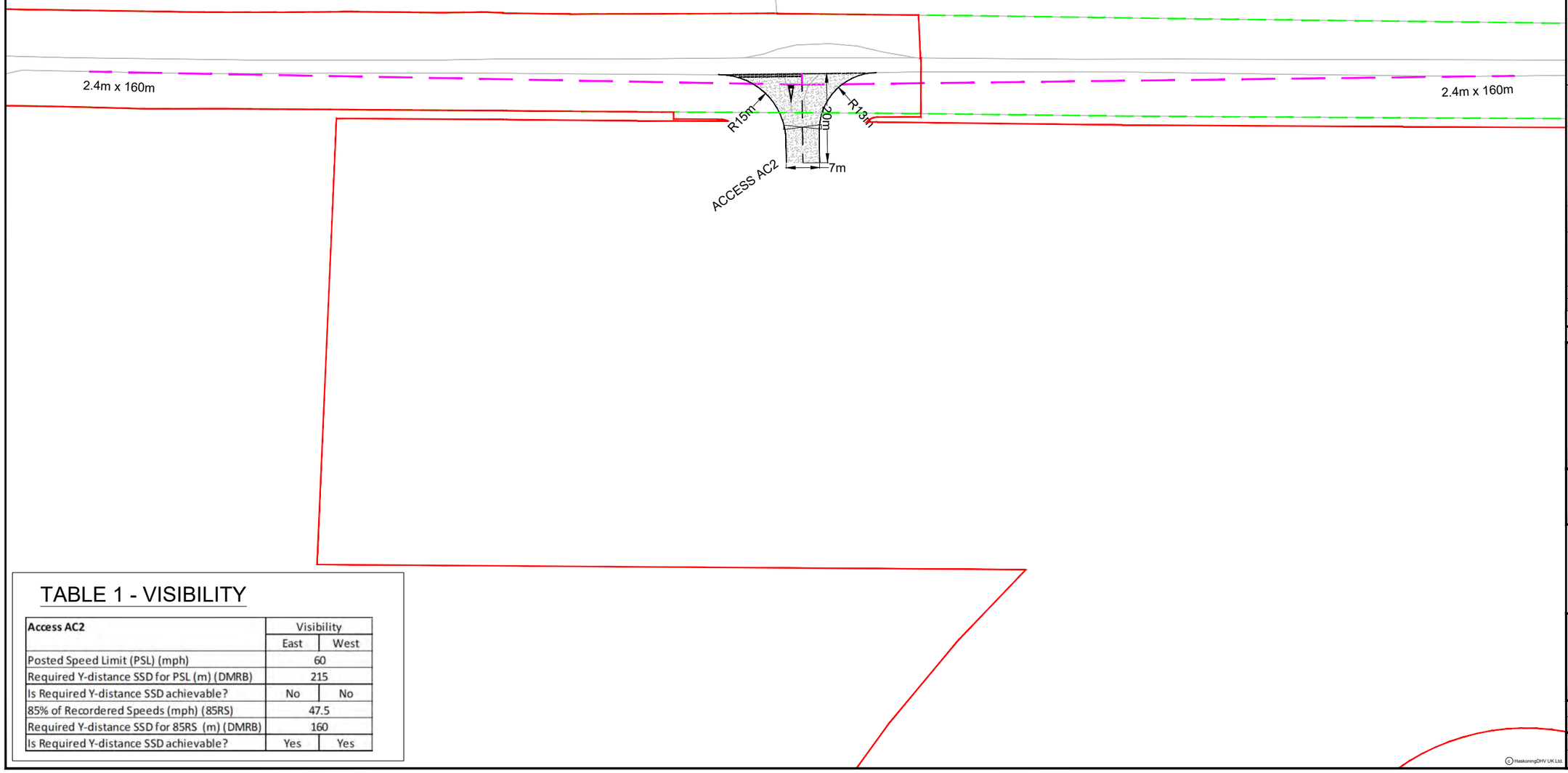
REVISION P02

CLIENT DWG No.

DRAWING No.
PC2340-RHD-ZZ-ZZ-DR-R-0103

20m 0 20 40 60m

SCALE IN METRES
1:1000



NOTES

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2. This drawing has been based upon Ordnance Survey Maps and Royal HaskoningDHV can not guarentee the accuracy of data.
3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE

LOCATION PLAN



TABLE 1 - VISIBILITY

Access AC2	Visibility	
	East	West
Posted Speed Limit (PSL) (mph)	60	
Required Y-distance SSD for PSL (m) (DMRB)	215	
Is Required Y-distance SSD achievable?	No	No
85% of Recordered Speeds (mph) (85RS)	47.5	
Required Y-distance SSD for 85RS (m) (DMRB)	160	
Is Required Y-distance SSD achievable?	Yes	Yes

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC2
GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 569566
www.royalhaskoningdhv.com

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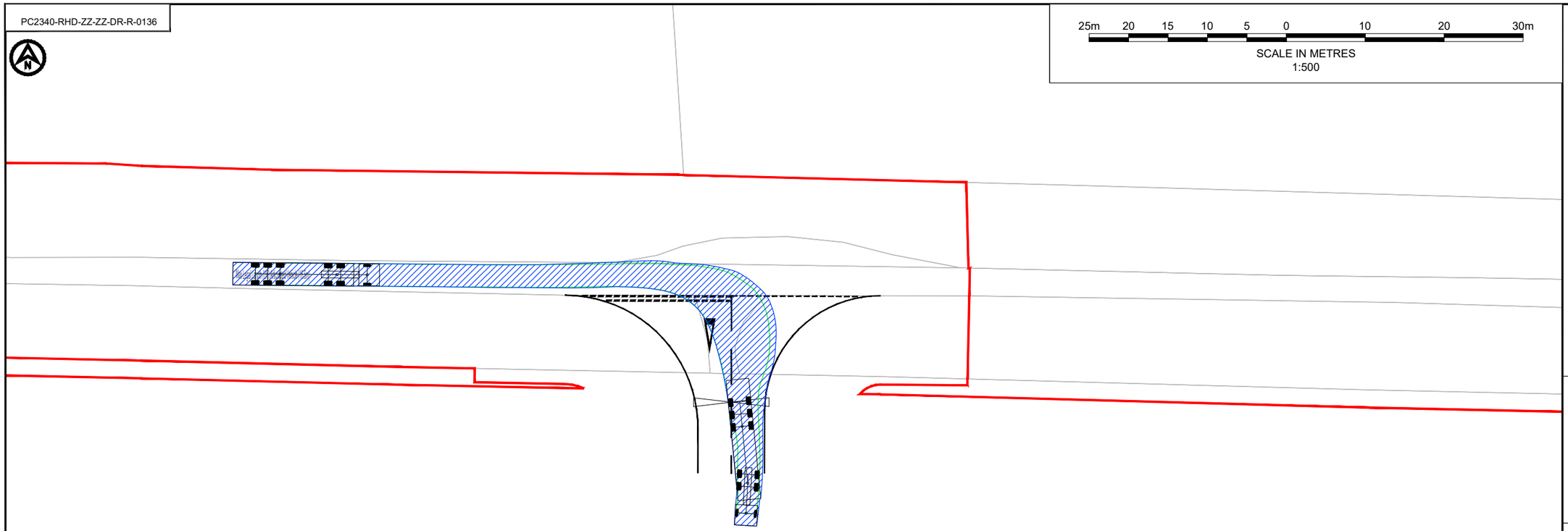
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AA	SKT	SKT
DATE 19.06.23	SCALE 1:1000	AUTOCAD REF.

DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0103
REVISION P02

CLIENT DWG No.

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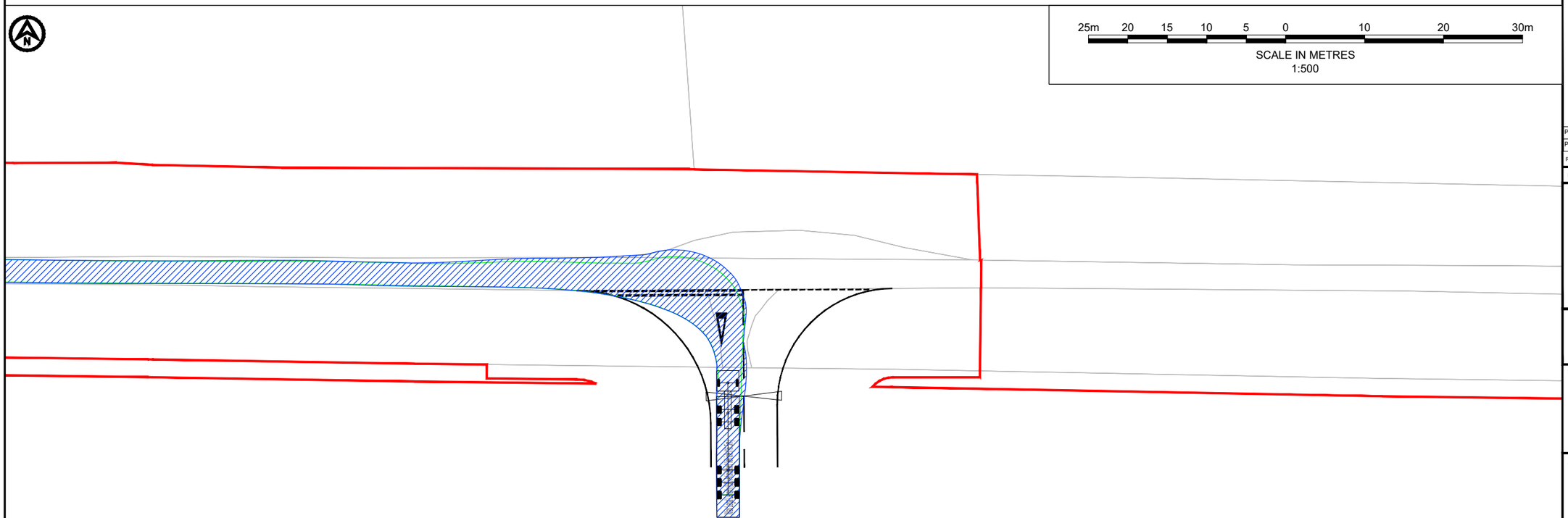
PC2340-RHD-ZZ-ZZ-DR-R-0136



25m 20 15 10 5 0 10 20 30m

SCALE IN METRES
1:500

MAX LENGTH ARTICULATED HGV INGRESS



25m 20 15 10 5 0 10 20 30m

SCALE IN METRES
1:500

MAX LENGTH ARTICULATED HGV EGRESS

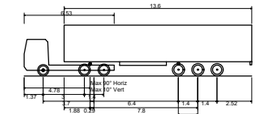
NOTES

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KEY

- EXISTING ARRANGEMENT
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- ONSHORE CABLE CORRIDOR
- PROPOSED GATE

VEHICLE TRACKING



Max Legal Length (UK) Articulated Vehicle (16.5m)

Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	30.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC2
SWEPT PATH ANALYSIS

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 569566
www.royalhaskoningdhv.com

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AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
30.06.23	1:500	

DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0136

REVISION P02

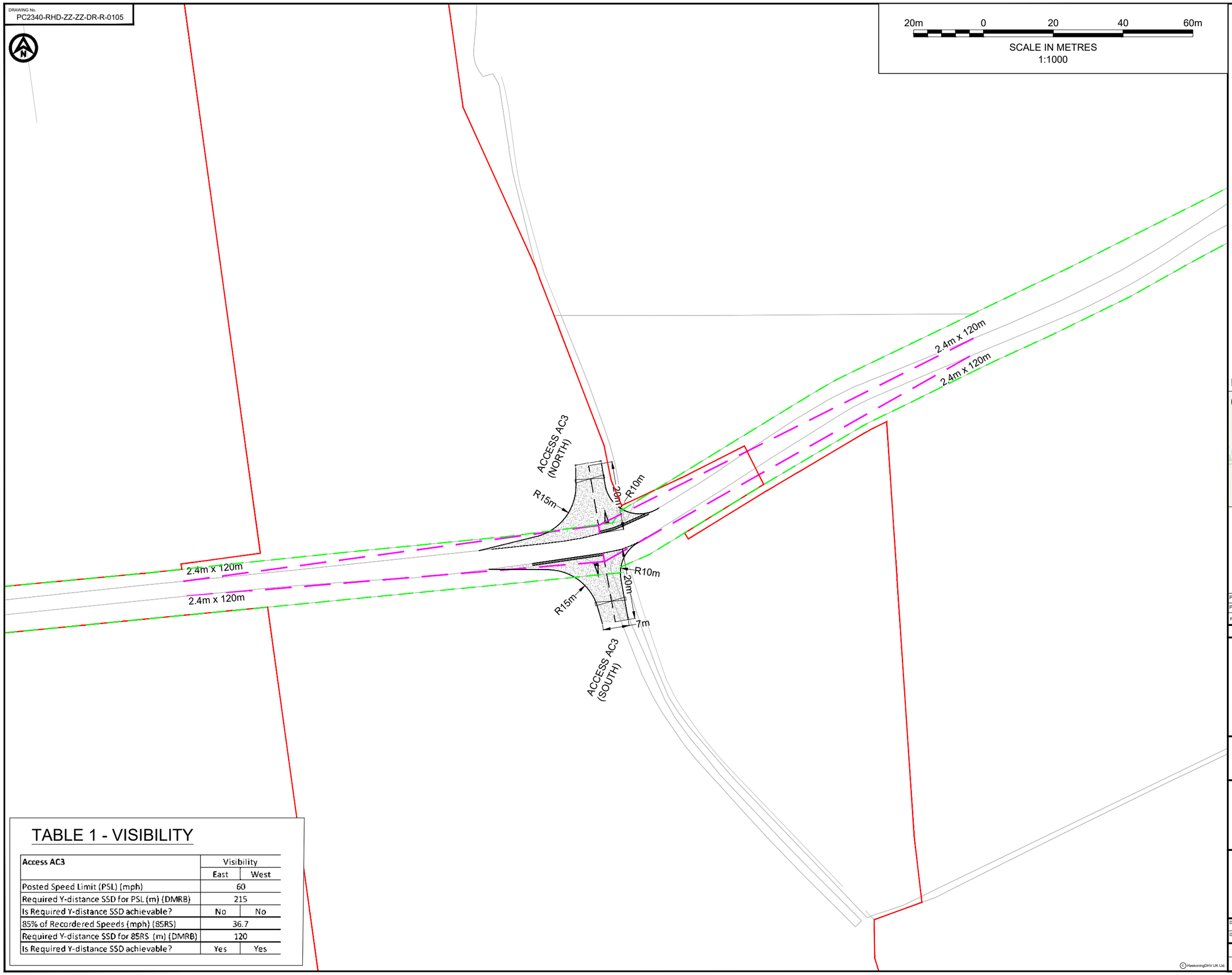
CLIENT DWG No.

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DRAWING No.
PC2340-RHD-ZZ-ZZ-DR-R-0105

20m 0 20 40 60m

SCALE IN METRES
1:1000



NOTES

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2. This drawing has been based upon Ordnance Survey Maps and Royal HaskoningDHV can not guarentee the accuracy of data.
3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE

LOCATION PLAN



TABLE 1 - VISIBILITY

Access AC3	Visibility	
	East	West
Posted Speed Limit (PSL) (mph)	60	
Required Y-distance SSD for PSL (m) (DMRB)	215	
Is Required Y-distance SSD achievable?	No	No
85% of Recordered Speeds (mph) (85RS)	36.7	
Required Y-distance SSD for 85RS (m) (DMRB)	120	
Is Required Y-distance SSD achievable?	Yes	Yes

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

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PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC3 (NORTH & SOUTH)
GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 569566
www.royalhaskoningdhv.com

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AA	SKT	SKT
DATE: 19.06.23	SCALE: 1:1000	AUTOCAD REF.

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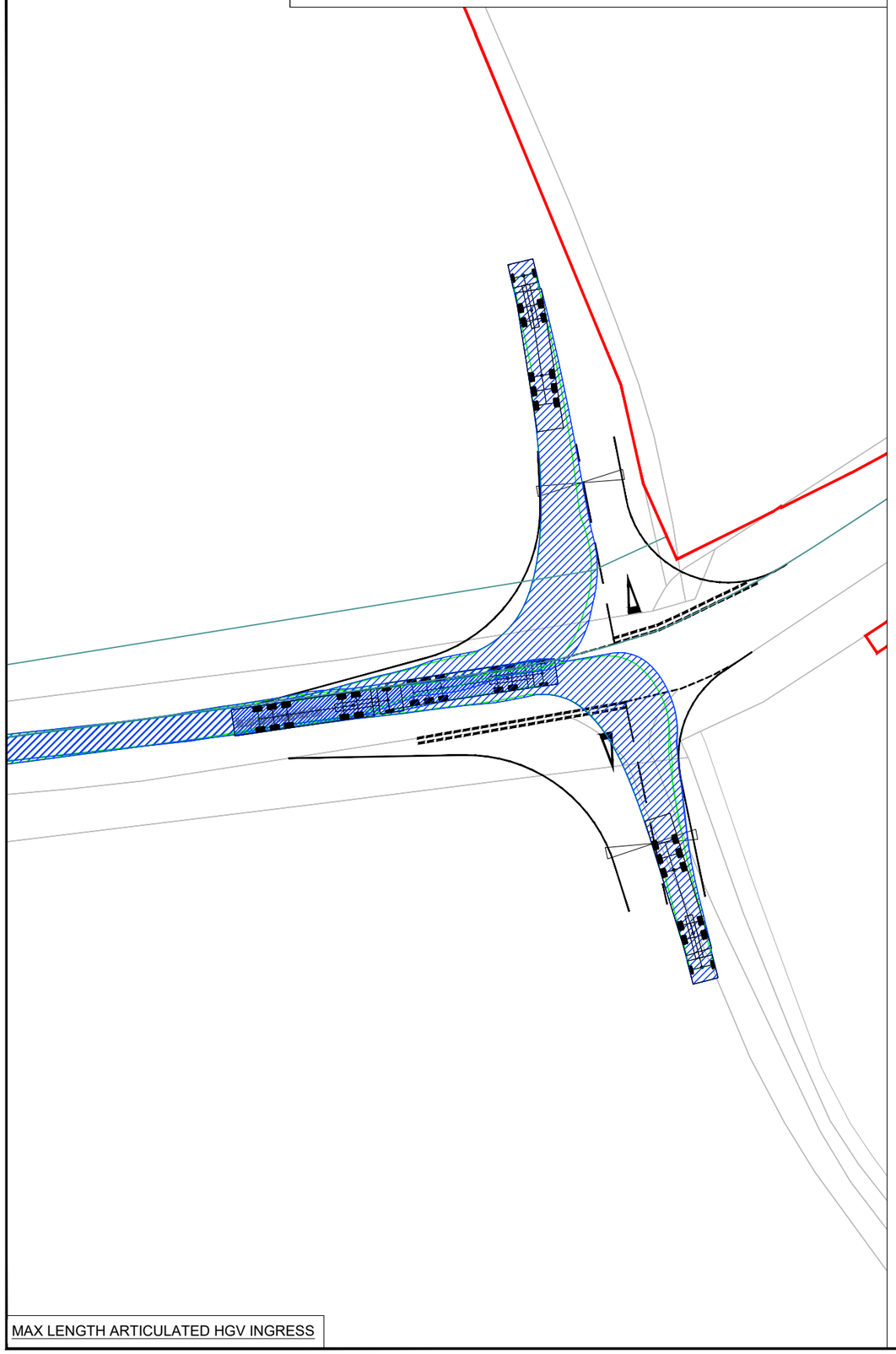
CLIENT DWG No.

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PC2340-RHD-ZZ-ZZ-DR-R-0129

25m 20 15 10 5 0 10 20 30m

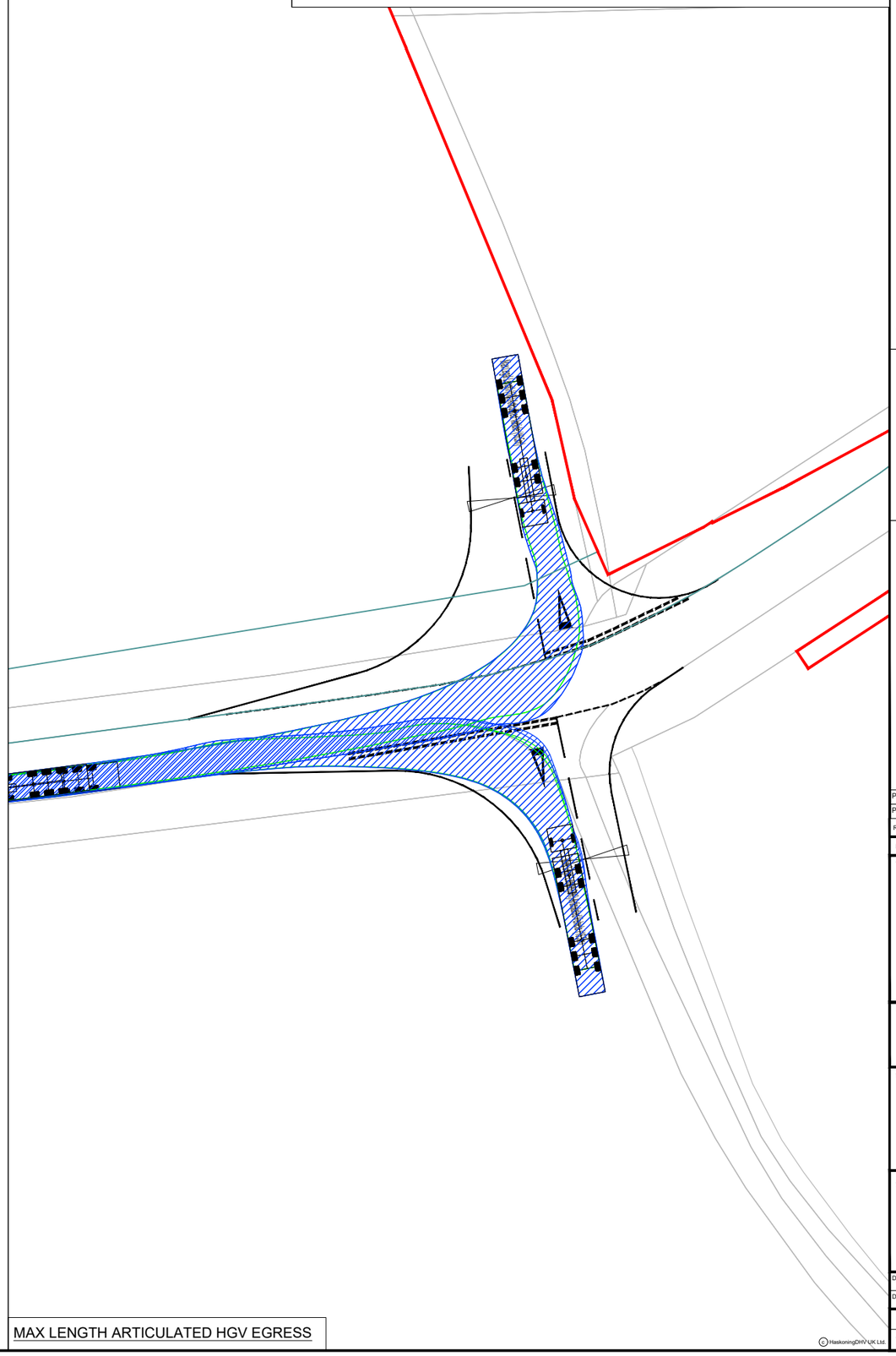
SCALE IN METRES
1:500



MAX LENGTH ARTICULATED HGV INGRESS

25m 20 15 10 5 0 10 20 30m

SCALE IN METRES
1:500



MAX LENGTH ARTICULATED HGV EGRESS

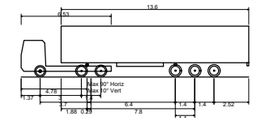
NOTES

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KEY

- EXISTING ARRANGEMENT
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- ONSHORE CABLE CORRIDOR
- PROPOSED GATE

VEHICLE TRACKING



Max Legal Length (UK) Articulated Vehicle (16.5m)

Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	18.07.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC3 (NORTH & SOUTH)
SWEPT PATH ANALYSIS

Westpoint, Peterborough Business Park
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1832 595656
www.royalhaskoningdhv.com

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AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
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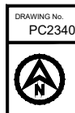
DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0129

REVISION P02

CLIENT DWG No.

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DRAWING No.
PC2340-RHD-ZZ-ZZ-DR-R-0107



20m 0 20 40 60m

SCALE IN METRES
1:1000

2.4m x 120m

R15m

ACCESS 4

20m

R15m

2.4m x 120m

TABLE 1 - VISIBILITY

Access AC4	Visibility	
	North	South
Posted Speed Limit (PSL) (mph)	60	
Required Y-distance SSD for PSL (m) (DMRB)	215	
Is Required Y-distance SSD achievable?	No	No
85% of Recordered Speeds (mph) (85RS)	42.8	
Required Y-distance SSD for 85RS (m) (DMRB)	120	
Is Required Y-distance SSD achievable?	Yes	Yes

NOTES

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2. This drawing has been based upon Ordnance Survey Maps and Royal HaskoningDHV can not guarentee the accuracy of data.
3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE

LOCATION PLAN



REV	DATE	DESCRIPTION	BY	CHK	APP
P03	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P02	12.07.23	UPDATED TO ADDRESS ERCC COMMENTS	AA	SKT	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC4
GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 585605
www.royalhaskoningdhv.com

Royal HaskoningDHV
Enhancing Society Together

DRAWN	CHECKED	APPROVED
AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
19.06.23	1:1000	

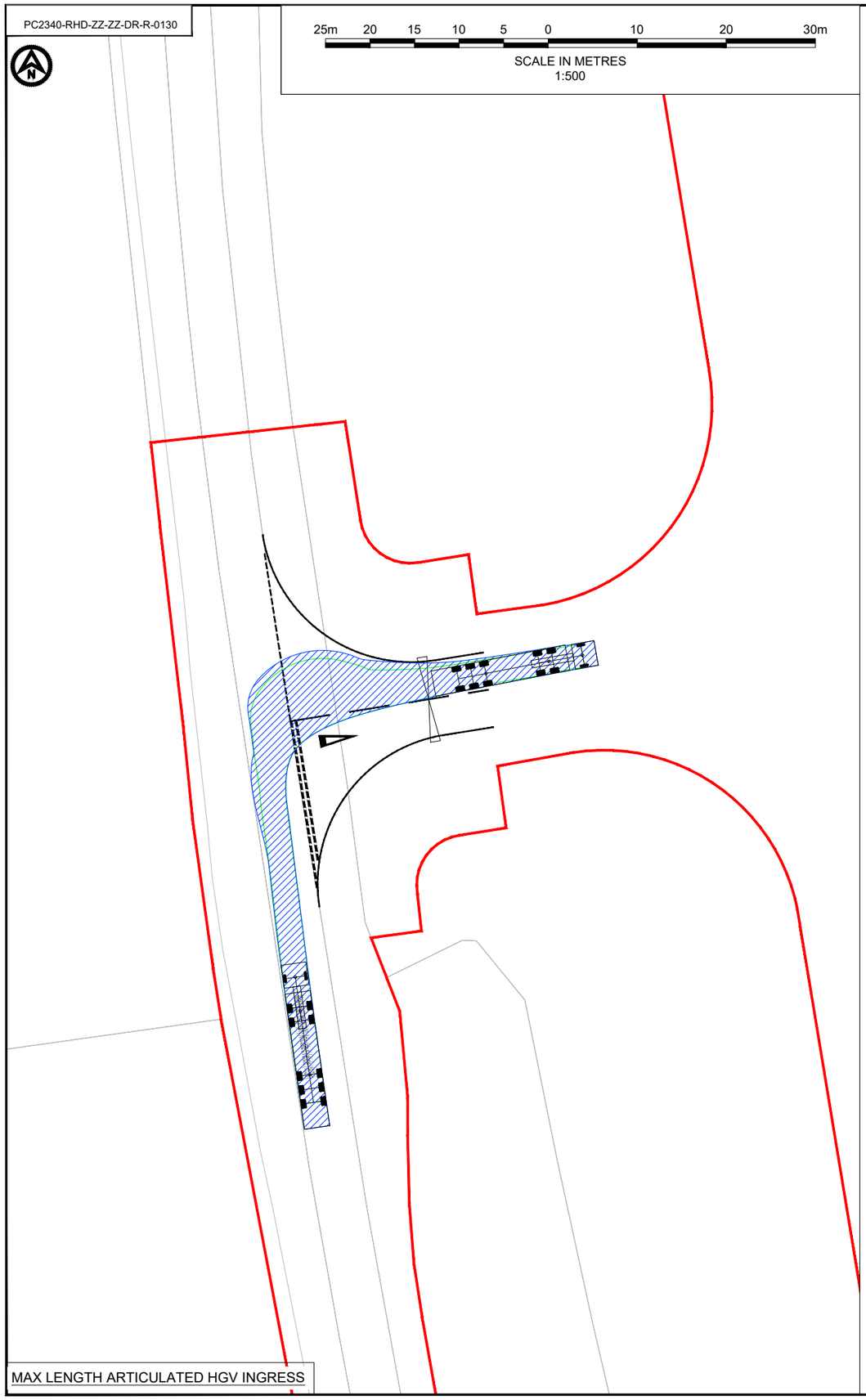
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REVISION P03

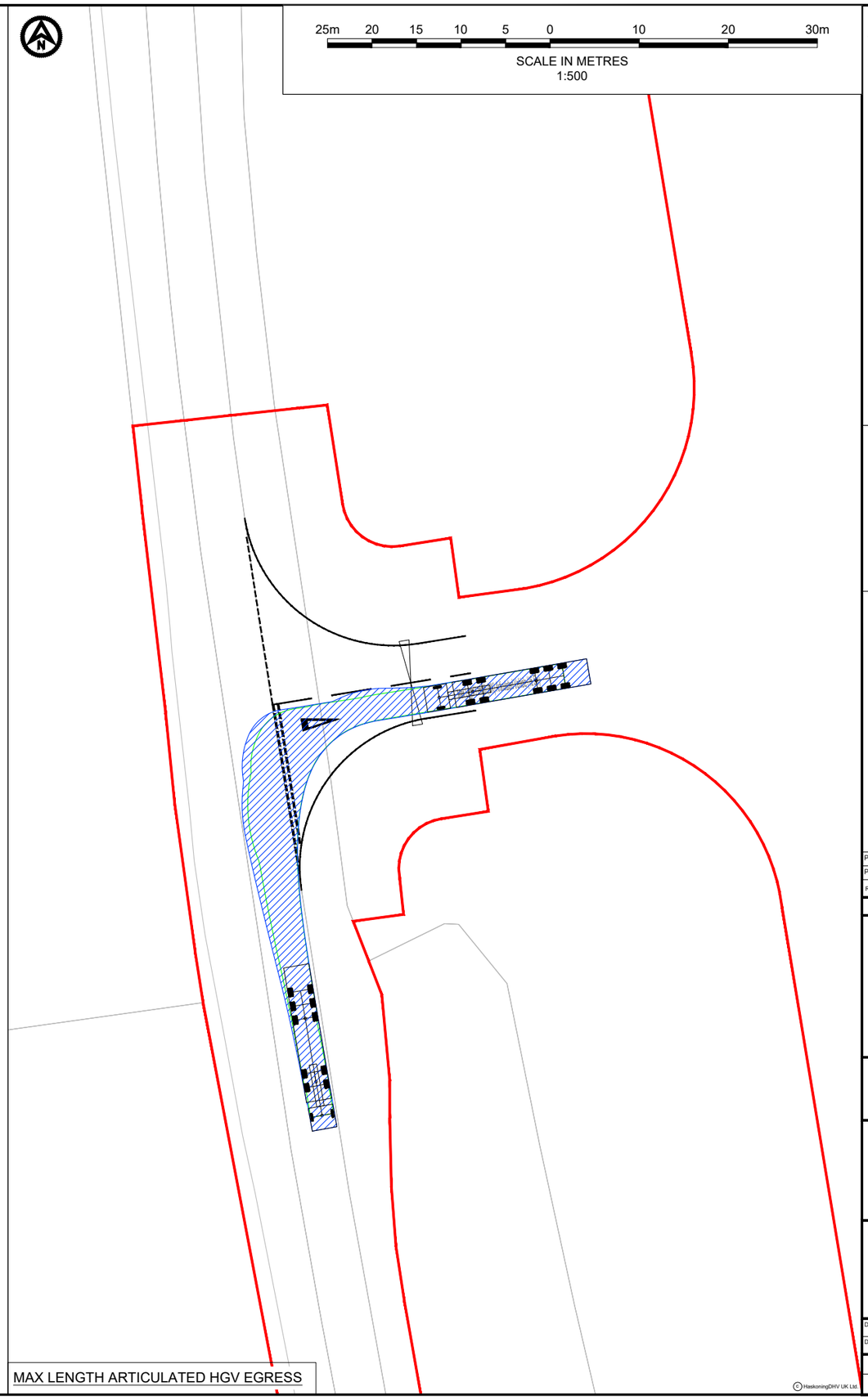
CLIENT DWG No.

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PC2340-RHD-ZZ-ZZ-DR-R-0130



MAX LENGTH ARTICULATED HGV INGRESS



MAX LENGTH ARTICULATED HGV EGRESS

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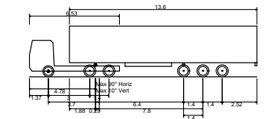
NOTES

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2. This drawing has been based upon Ordnance Survey Maps and Royal HaskoningDHV can not guarantee the accuracy of data.

KEY

- EXISTING ARRANGEMENT
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- ONSHORE CABLE CORRIDOR
- PROPOSED GATE

VEHICLE TRACKING



Max Legal Length (UK) Articulated Vehicle (16.5m)	
Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	18.07.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC4
SWEPT PATH ANALYSIS

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1832 595566
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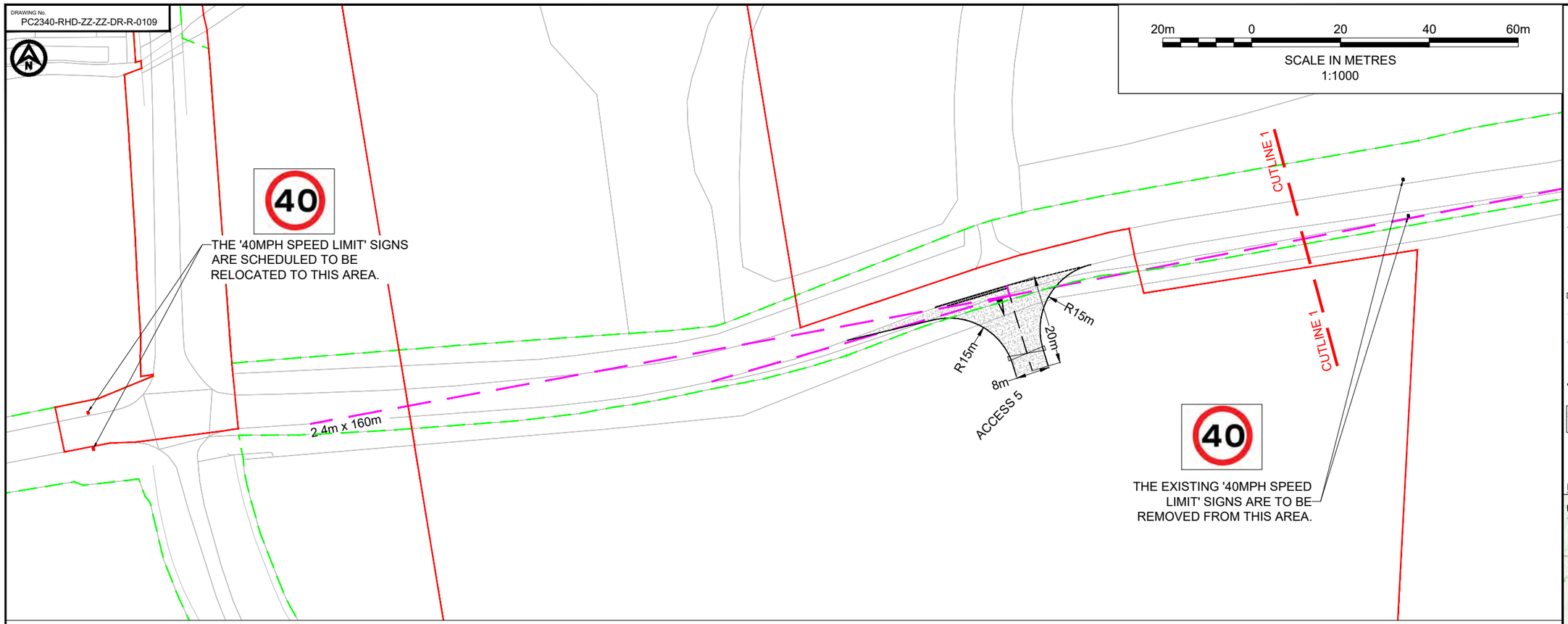
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AA	SKT	SKT

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DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0130 — REVISION P02

CLIENT DWG No.

DRAWING No.
PC2340-RHD-ZZ-ZZ-DR-R-0109



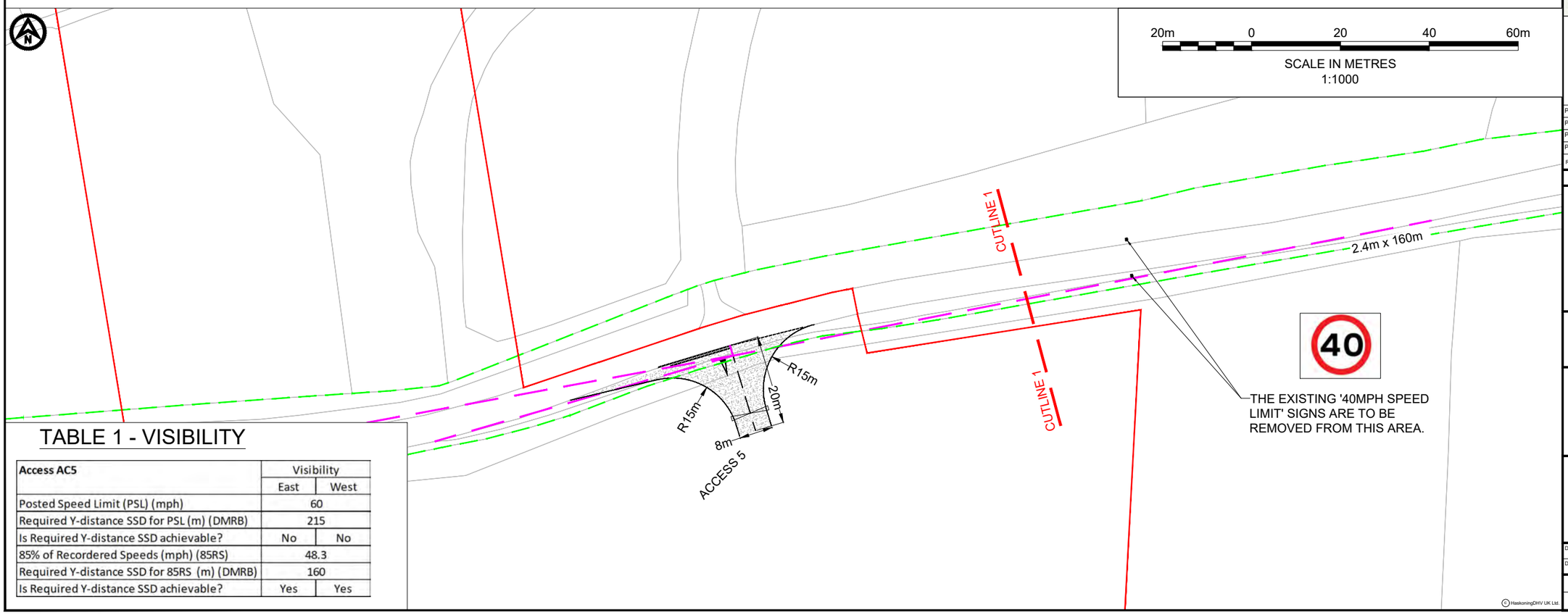


TABLE 1 - VISIBILITY

Access AC5	Visibility	
	East	West
Posted Speed Limit (PSL) (mph)	60	
Required Y-distance SSD for PSL (m) (DMRB)	215	
Is Required Y-distance SSD achievable?	No	No
85% of Recordered Speeds (mph) (85RS)	48.3	
Required Y-distance SSD for 85RS (m) (DMRB)	160	
Is Required Y-distance SSD achievable?	Yes	Yes

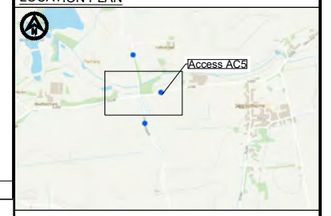
NOTES

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2. This drawing has been based upon Ordnance Survey Maps and Royal HaskoningDHV can not guarentee the accuracy of data.
3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- PROPOSED TRAFFIC SIGN
- EXISTING TRAFFIC SIGN
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE

LOCATION PLAN



REV	DATE	DESCRIPTION	BY	CHK	APP
P04	29.09.24	UPDATED VIEWPORTS AND NORTH ARROW	AA	SKT	SKT
P03	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P02	12.07.23	UPDATED TO ADDRESS ERCC COMMENTS	AA	SKT	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

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PROJECT

DOGGER BANK SOUTH OFFSHORE WIND FARMS

TITLE

ACCESS AC5
GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park,
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Peterborough PE2 6FZ
Tel +44(0)1932 569566
www.royalhaskoningdhv.com

Royal HaskoningDHV
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AA	SKT	SKT

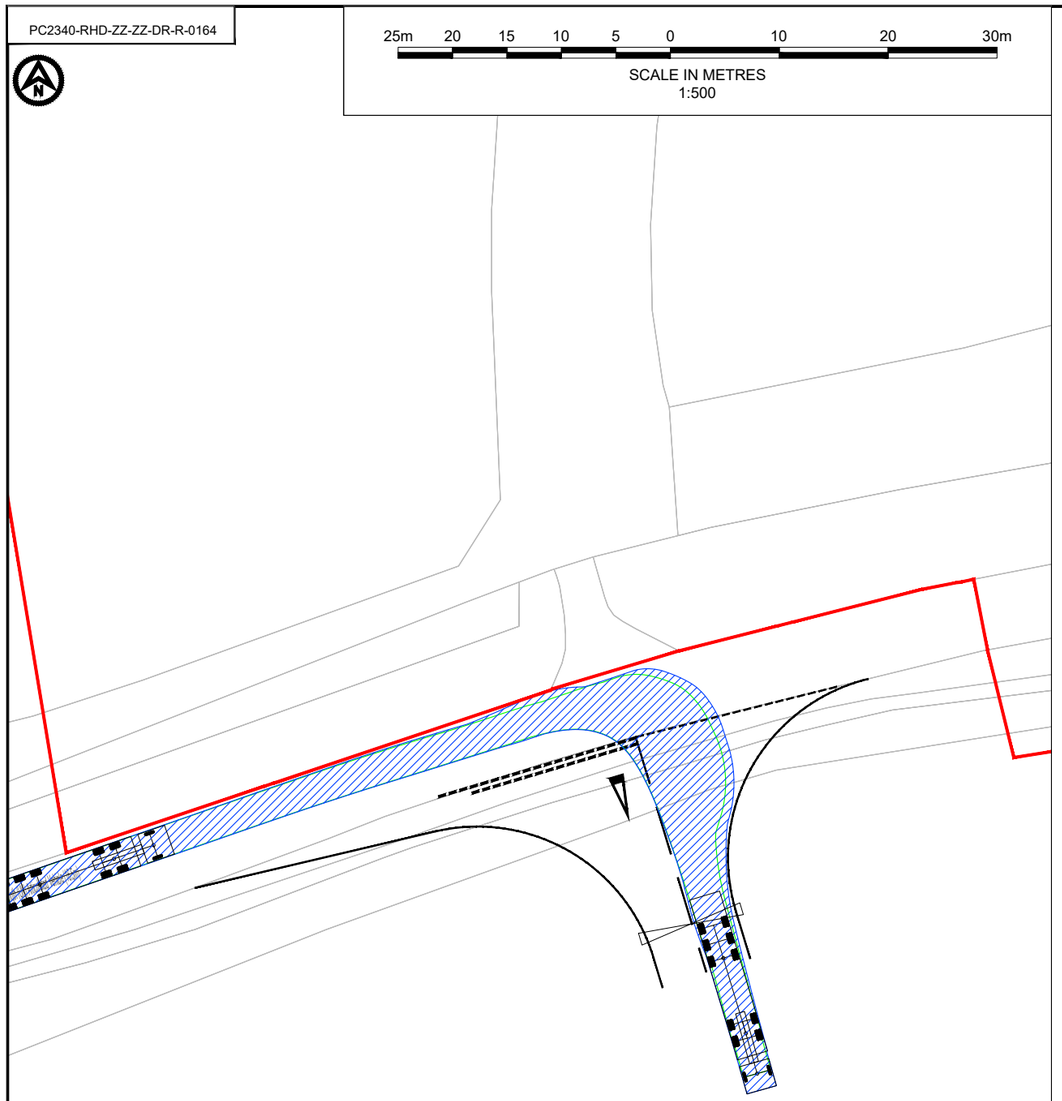
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DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0109
REVISION P04

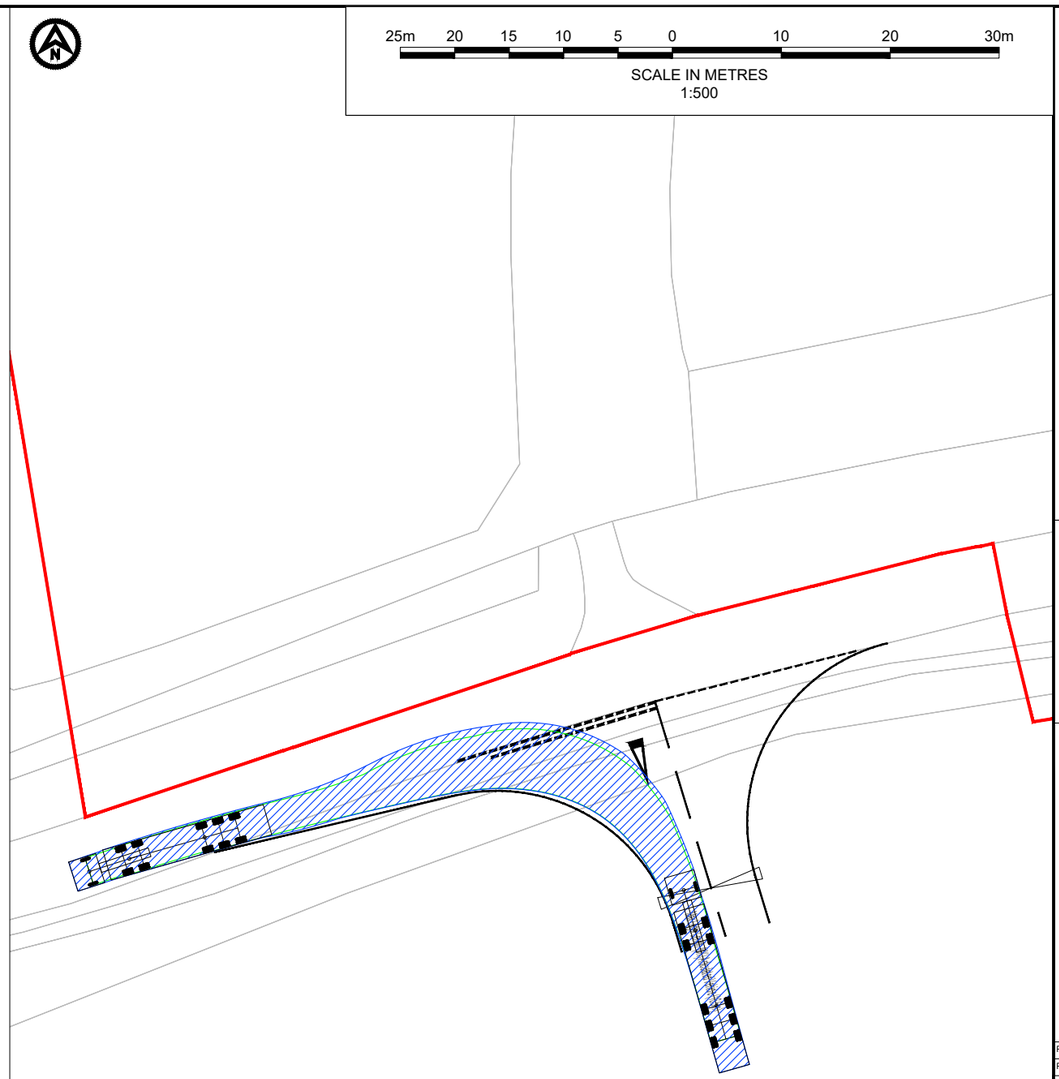
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PC2340-RHD-ZZ-ZZ-DR-R-0164



MAX LENGTH ARTICULATED HGV INGRESS



MAX LENGTH ARTICULATED HGV EGRESS

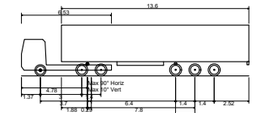
NOTES

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2. This drawing has been based upon Ordnance Survey Maps and Royal HaskoningDHV can not guarantee the accuracy of data.

KEY

- EXISTING ARRANGEMENT
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- ONSHORE CABLE CORRIDOR
- PROPOSED GATE

VEHICLE TRACKING



Max Legal Length (UK) Articulated Vehicle (16.5m)	
Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	18.07.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC5
SWEPT PATH ANALYSIS

Westpoint, Peterborough Business Park,
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www.royalhaskoningdhv.com

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AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
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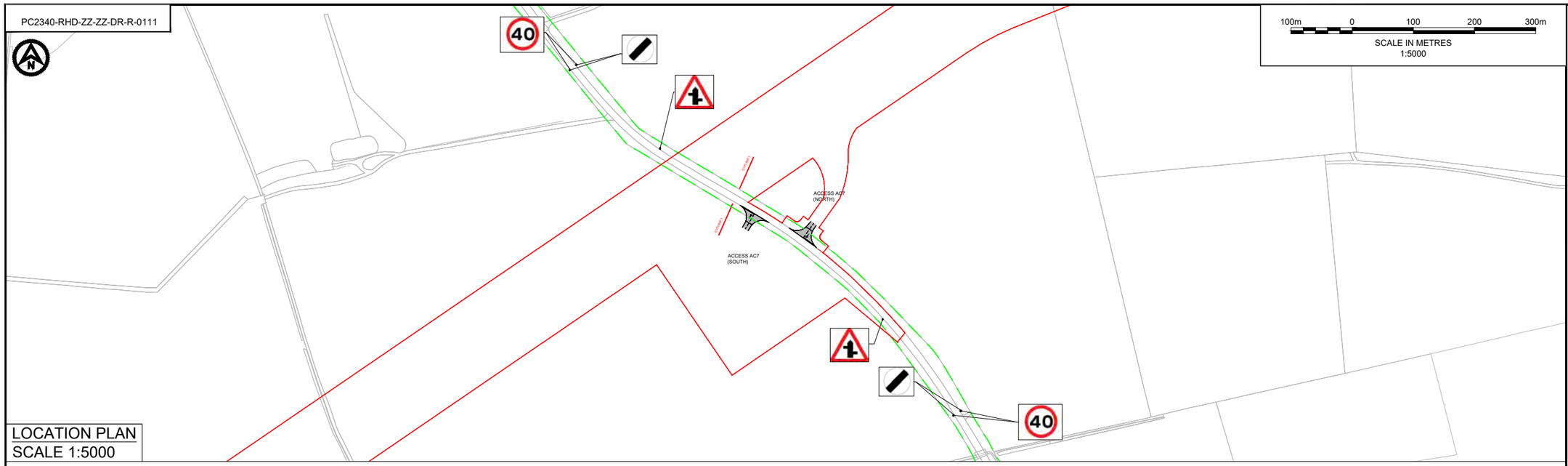
DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0164

REVISION P02

CLIENT DWG No.

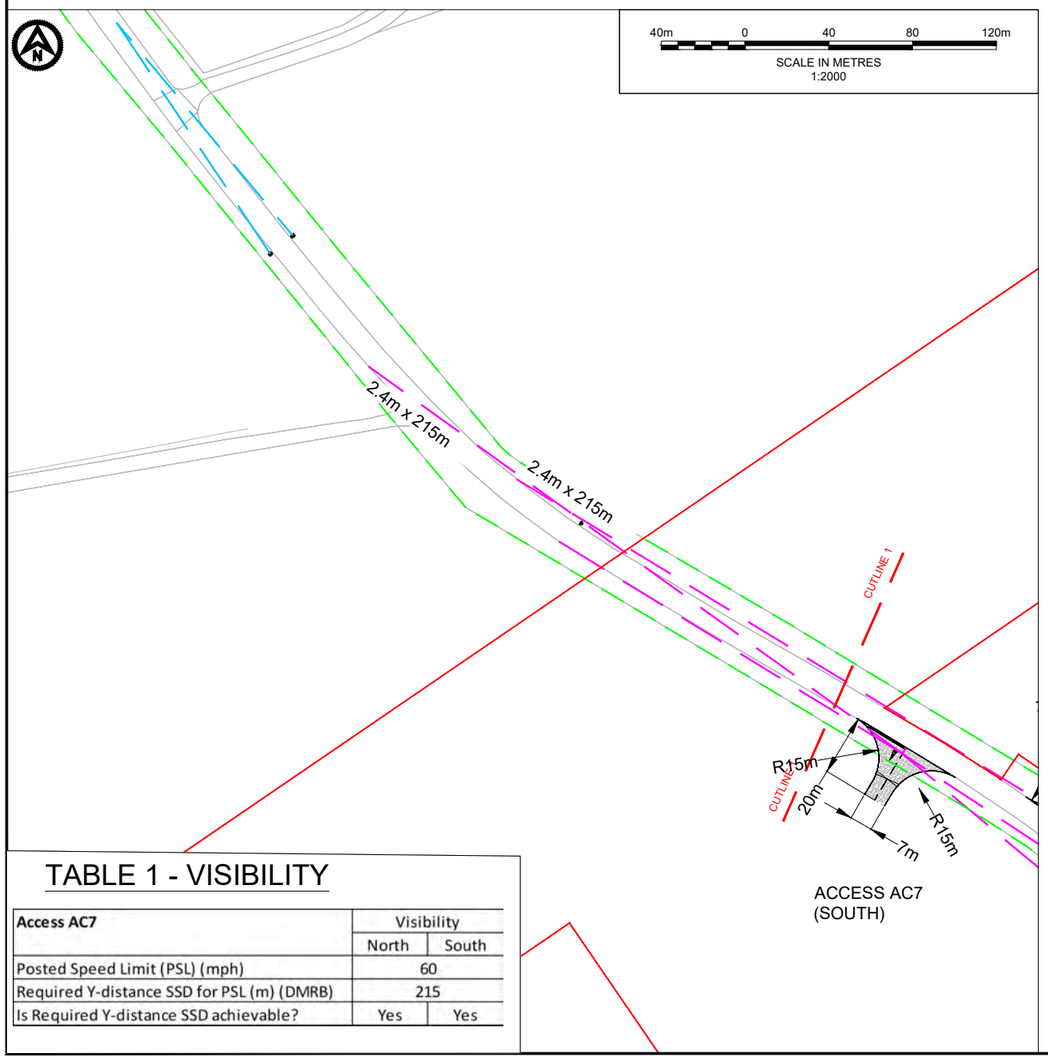
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PC2340-RHD-ZZ-ZZ-DR-R-0111



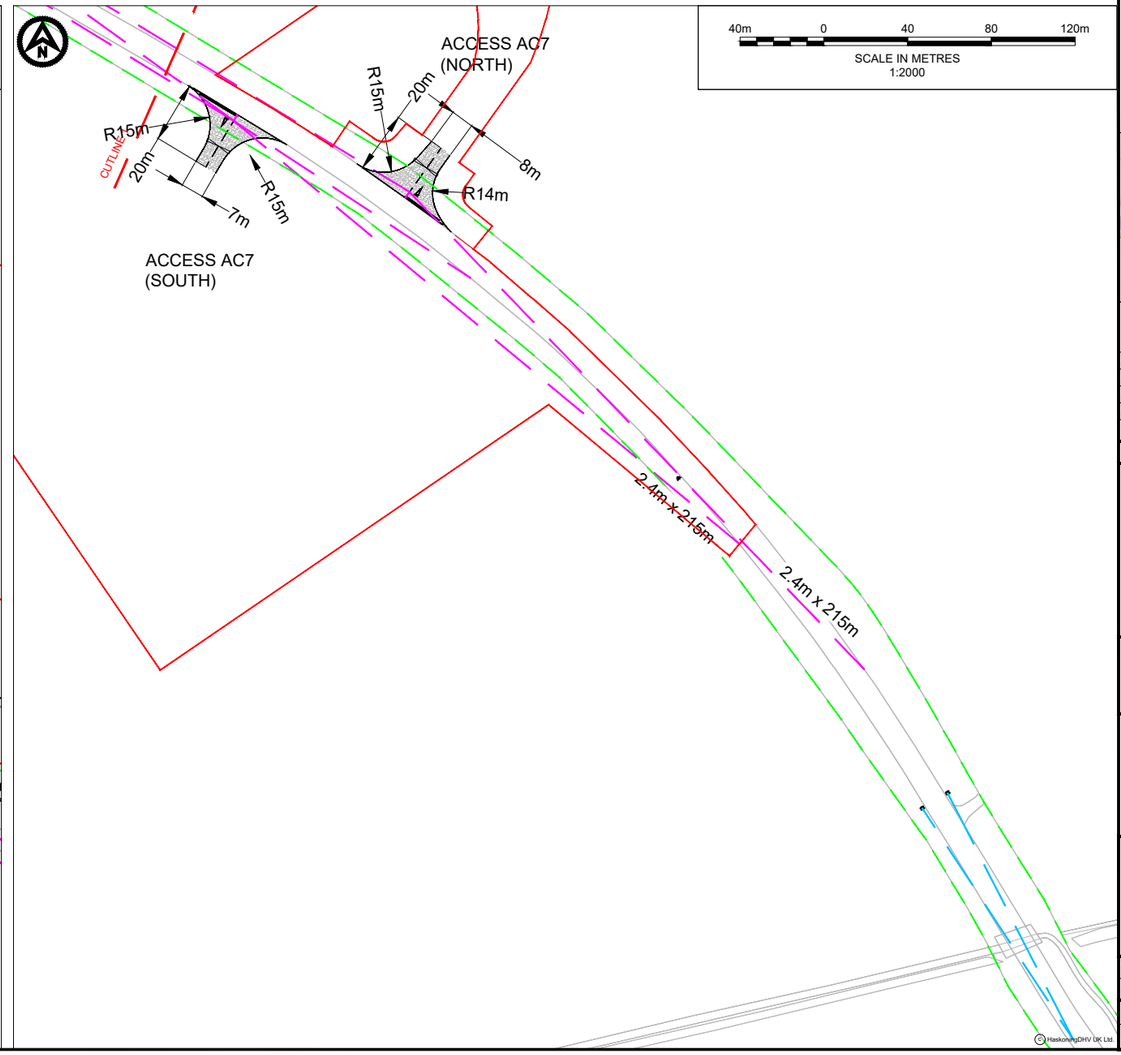
100m 0 100 200 300m
SCALE IN METRES
1:5000

LOCATION PLAN
SCALE 1:5000



40m 0 40 80 120m
SCALE IN METRES
1:2000

ACCESS AC7
(SOUTH)



40m 0 40 80 120m
SCALE IN METRES
1:2000

TABLE 1 - VISIBILITY

Access AC7	Visibility	
	North	South
Posted Speed Limit (PSL) (mph)	60	
Required Y-distance SSD for PSL (m) (DMRB)	215	
Is Required Y-distance SSD achievable?	Yes	Yes

NOTES

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2. This drawing has been based upon Ordnance Survey Maps and Royal HaskoningDHV can not guarentee the accuracy of data.
3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. The siting details and minimum clear visibility distance of the warning signs are in accordance with the guidelines outlined in 'Appendix - A, Traffic Signs Manual - Chapter 4'.
6. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- MINIMUM CLEAR VISIBILITY SPLAY OF THE WARNING SIGN - 90m (SEE NOTE 5)
- EXISTING TRAFFIC SIGN
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE

LOCATION PLAN



REV	DATE	DESCRIPTION	BY	CHK	APP
P04	30.09.24	UPDATED VIEWPORTS AND NORTH ARROW	AA	SKT	SKT
P03	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P02	10.07.23	ADDED SPEED LIMITS	AA	SKT	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

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PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC7 (NORTH & SOUTH)
GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park,
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Peterborough PE2 6FZ
Tel +44(0)1932 569566
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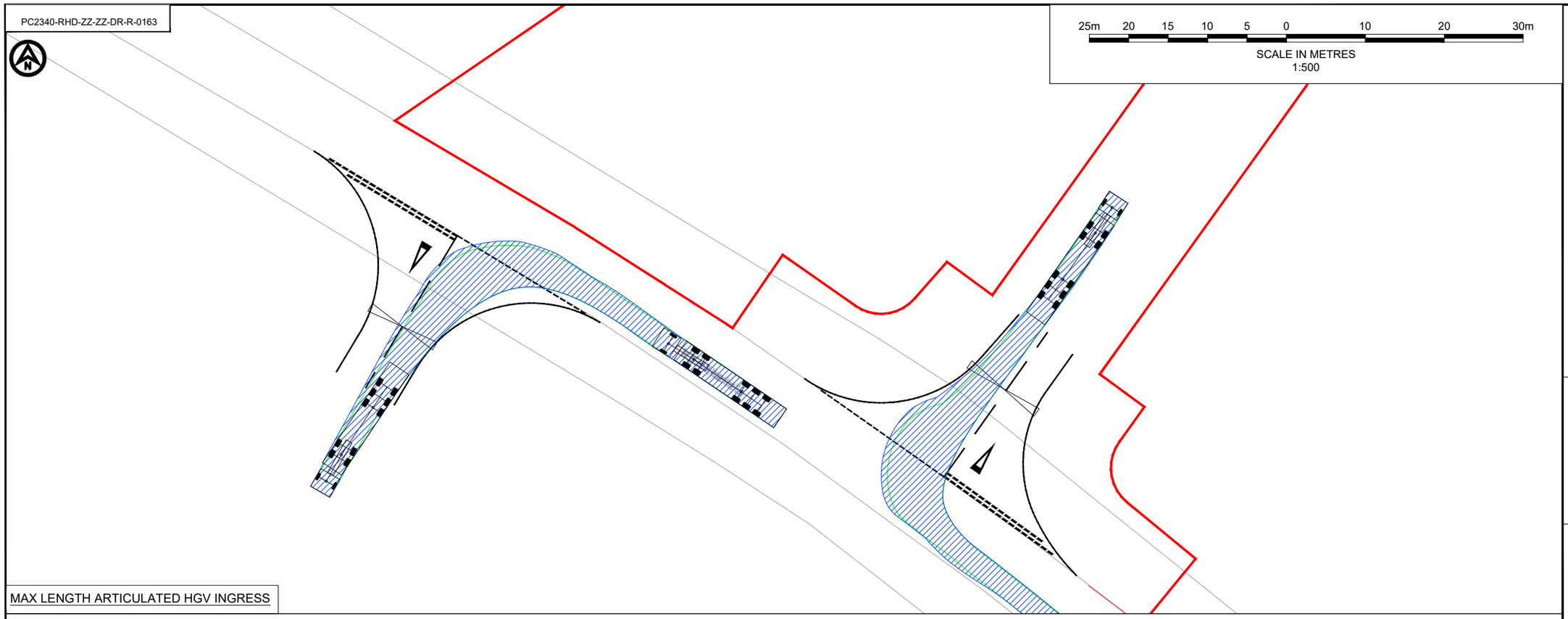
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AA	SKT	SKT
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19.06.23	AS SHOWN	

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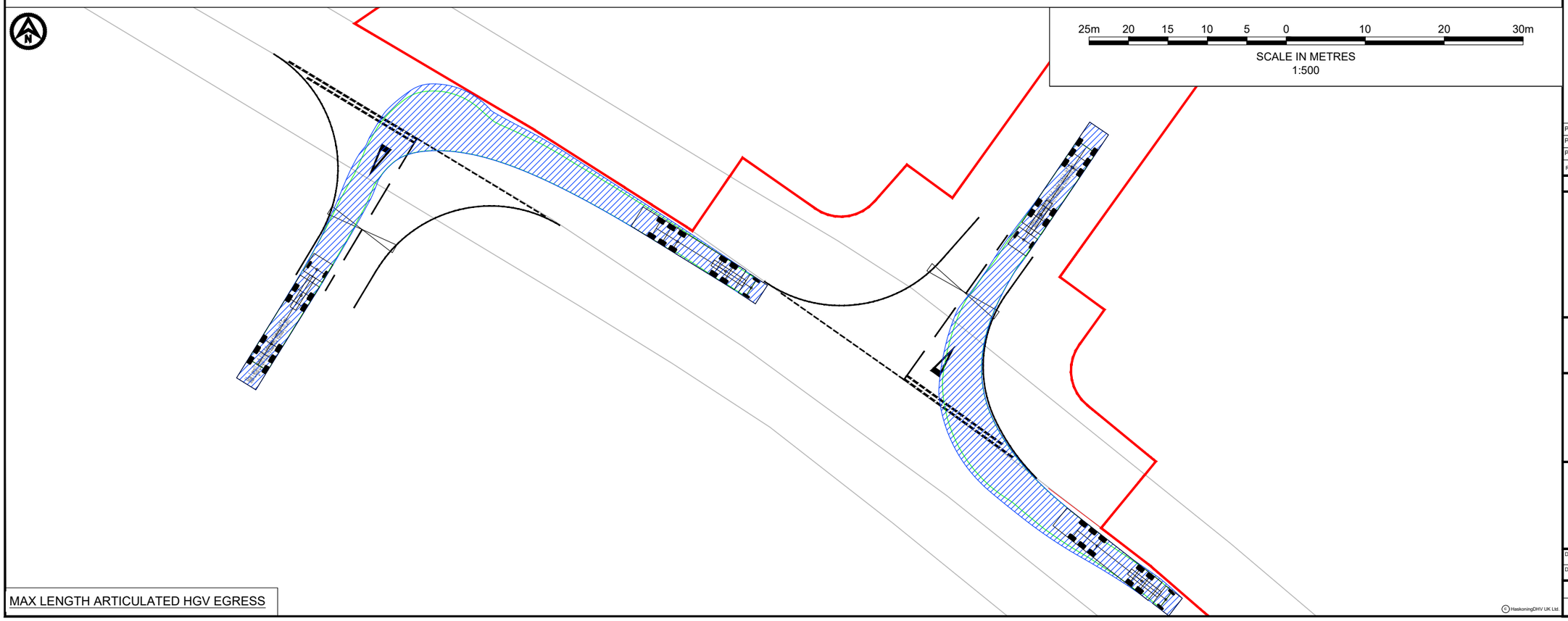
CLIENT DWG No.

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PC2340-RHD-ZZ-ZZ-DR-R-0163



MAX LENGTH ARTICULATED HGV INGRESS



MAX LENGTH ARTICULATED HGV EGRESS

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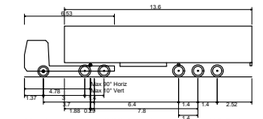
NOTES

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KEY

- EXISTING ARRANGEMENT
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- ONSHORE CABLE CORRIDOR
- PROPOSED GATE

VEHICLE TRACKING



Max Legal Length (UK) Articulated Vehicle (16.5m)	
Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

REV	DATE	DESCRIPTION	BY	CHK	APP
P03	30.09.24	UPDATED VIEWPORTS AND NORTH ARROW	AA	SKT	SKT
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	18.07.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC7 (NORTH & SOUTH)
SWEPT PATH ANALYSIS

Westpoint, Peterborough Business Park,
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Peterborough PE2 6FZ
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AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
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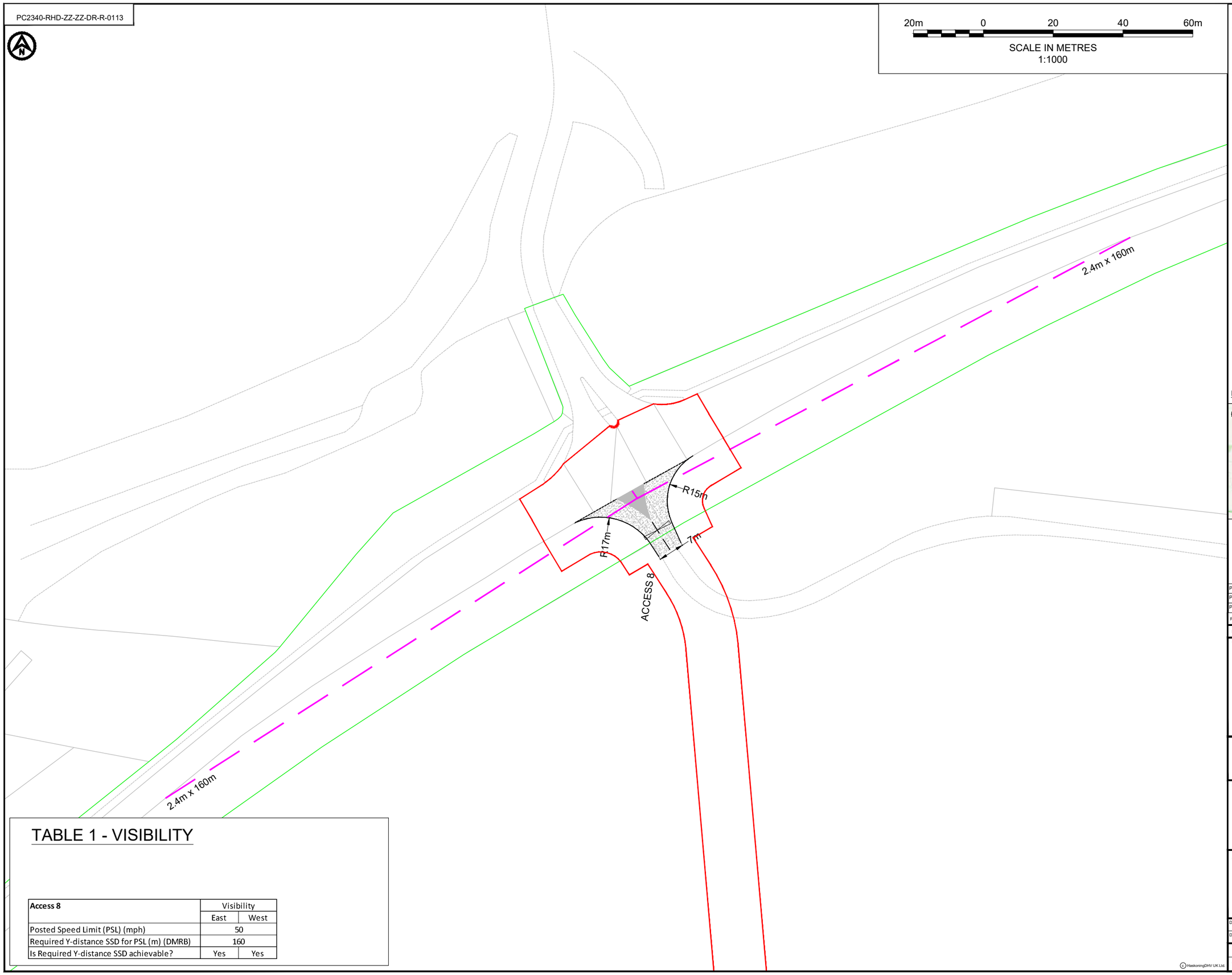
REVISION P03

CLIENT DWG No.

PC2340-RHD-ZZ-ZZ-DR-R-0113

20m 0 20 40 60m

SCALE IN METRES
1:1000



NOTES

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2. This drawing has been based upon Ordnance Survey Maps and Royal HaskoningDHV can not guarentee the accuracy of data.
3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- INDICATIVE HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE

LOCATION PLAN



TABLE 1 - VISIBILITY

Access 8	Visibility	
	East	West
Posted Speed Limit (PSL) (mph)	50	
Required Y-distance SSD for PSL (m) (DMRB)	160	
Is Required Y-distance SSD achievable?	Yes	Yes

REV	DATE	DESCRIPTION	BY	CHK	APP
P03	29.09.24	UPDATED VIEWPORTS AND NORTH ARROW	AA	SKT	SKT
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

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PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC8
GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park,
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Peterborough PE2 6FZ
Tel +44(0)1932 569566
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DATE	SCALE	AUTOCAD REF.
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REVISION P03

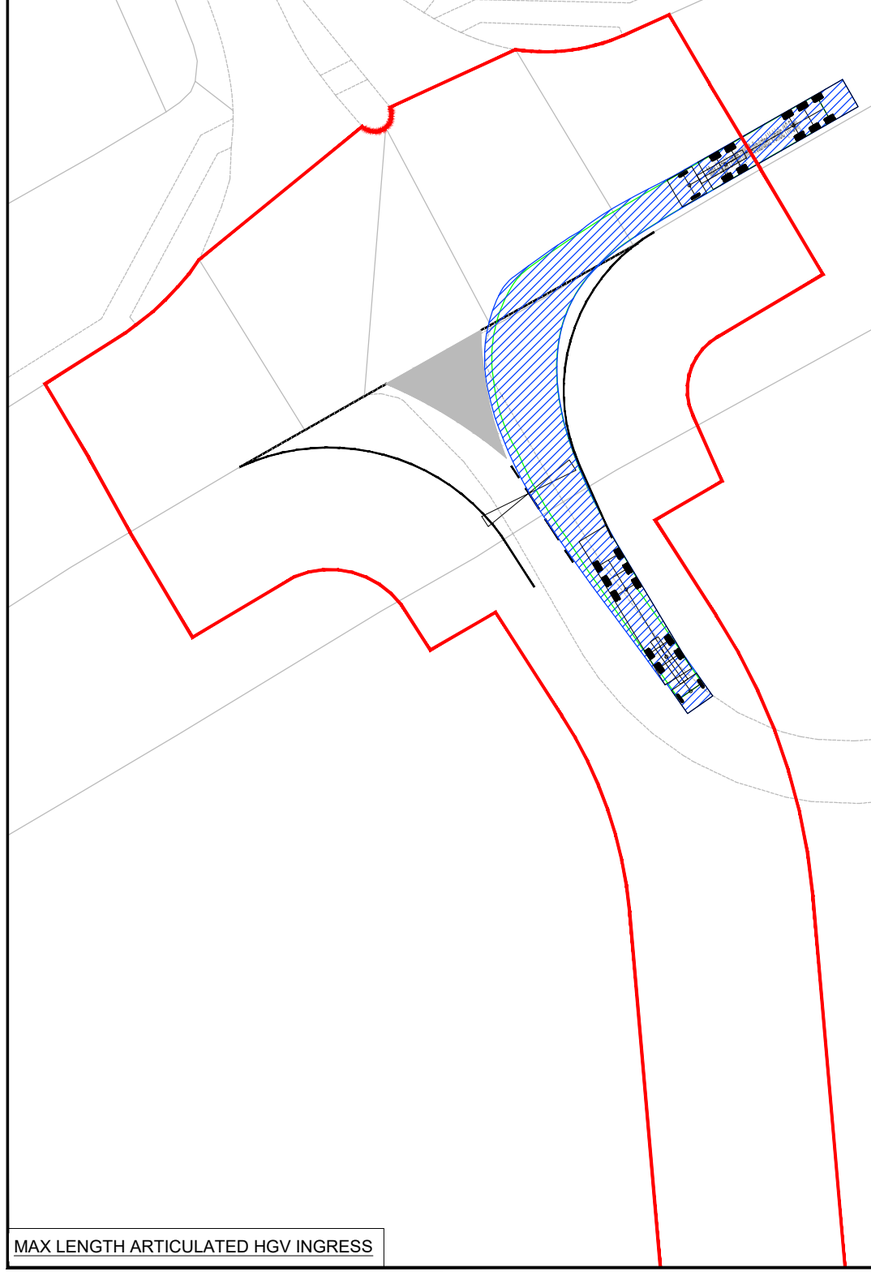
CLIENT DWG No.

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PC2340-RHD-ZZ-ZZ-DR-R-0163

25m 20 15 10 5 0 10 20 30m

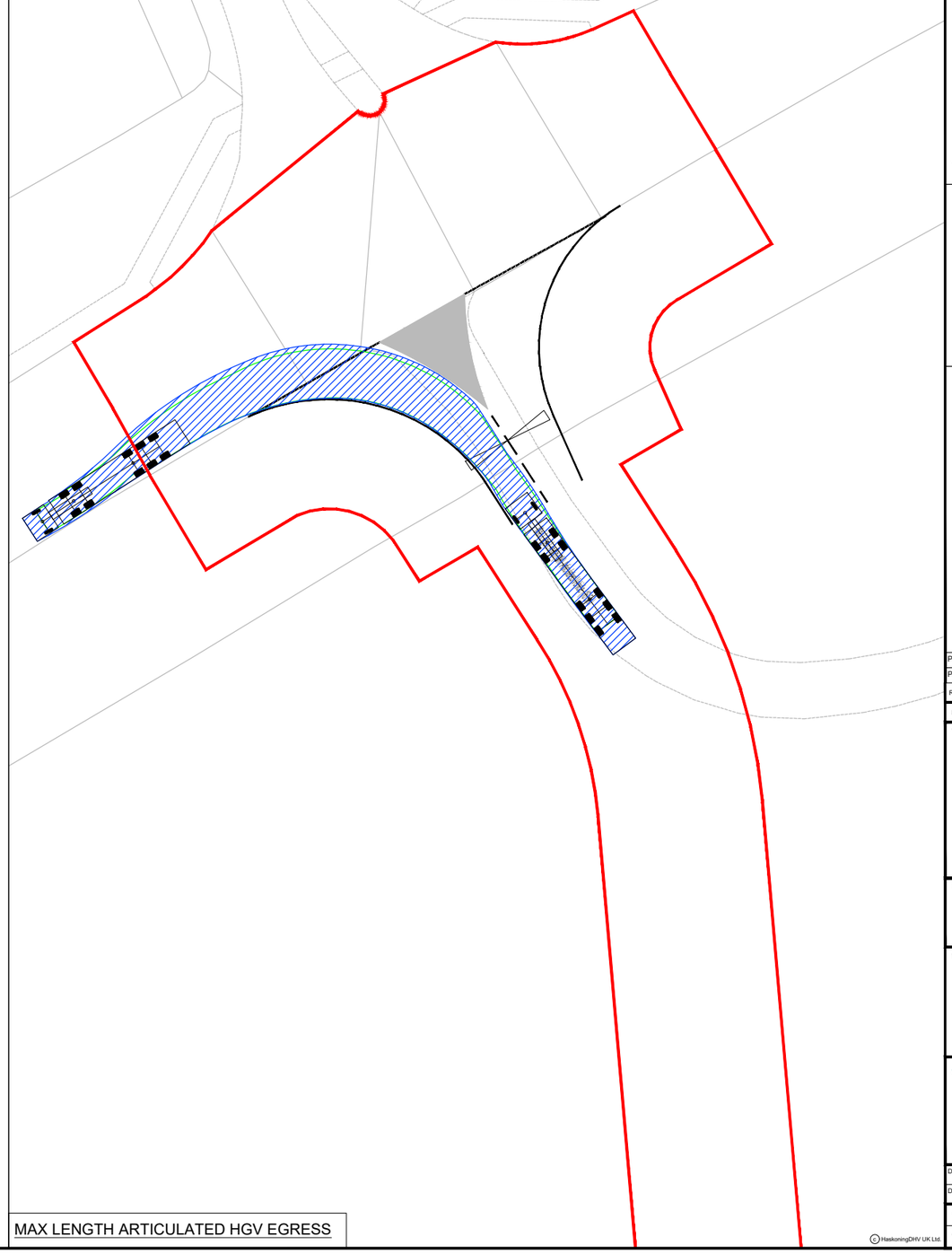
SCALE IN METRES
1:500



MAX LENGTH ARTICULATED HGV INGRESS

25m 20 15 10 5 0 10 20 30m

SCALE IN METRES
1:500



MAX LENGTH ARTICULATED HGV EGRESS

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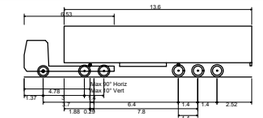
NOTES

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KEY

- EXISTING ARRANGEMENT
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- ONSHORE CABLE CORRIDOR
- PROPOSED GATE

VEHICLE TRACKING



Max Legal Length (UK) Articulated Vehicle (16.5m)	
Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	18.07.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC8
SWEPT PATH ANALYSIS

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1832 565566
www.royalhaskoningdhv.com

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DATE	SCALE	AUTOCAD REF.
18.07.23	1:500	

DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0163

REVISION P02

CLIENT DWG No.

PC2340-RHD-ZZ-ZZ-DR-R-0115

20m 0 20 40 60m

SCALE IN METRES
1:1000

2.4m x 160m

2.4m x 160m

2.4m x 160m

ACCESS AC9 (NORTH)

ACCESS AC9 (SOUTH)

NOTES

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3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- SHARED CYCLE/FOOTWAY WITH TACTILE PAVING TO BE INSTALLED AT CROSSINGS
- CARRIAGEWAY WIDENING - FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE

LOCATION PLAN



TABLE 1 - VISIBILITY

Access AC9	Visibility	
	East	West
Posted Speed Limit (PSL) (mph)	50	
Required Y-distance SSD for PSL (m) (DMRB)	160	
Is Required Y-distance SSD achievable?	Yes	Yes

REV	DATE	DESCRIPTION	BY	CHK	APP
P03	29.09.24	UPDATED VIEWPORTS AND NORTH ARROW	AA	SKT	SKT
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

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PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC9 (NORTH & SOUTH)
GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park,
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Peterborough PE2 6FZ
Tel +44(0)1832 565566
www.royalhaskoningdhv.com

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AA	SKT	SKT

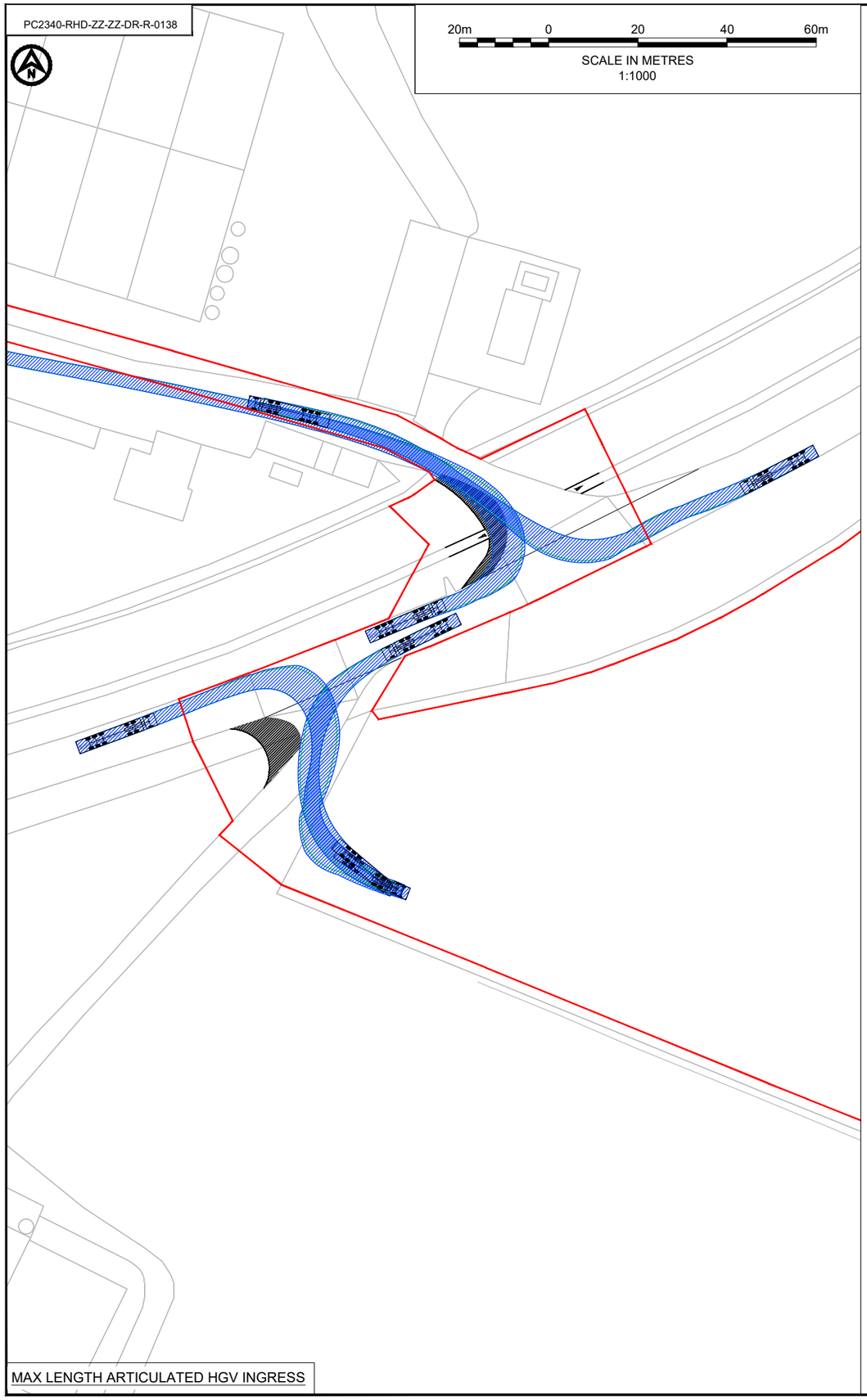
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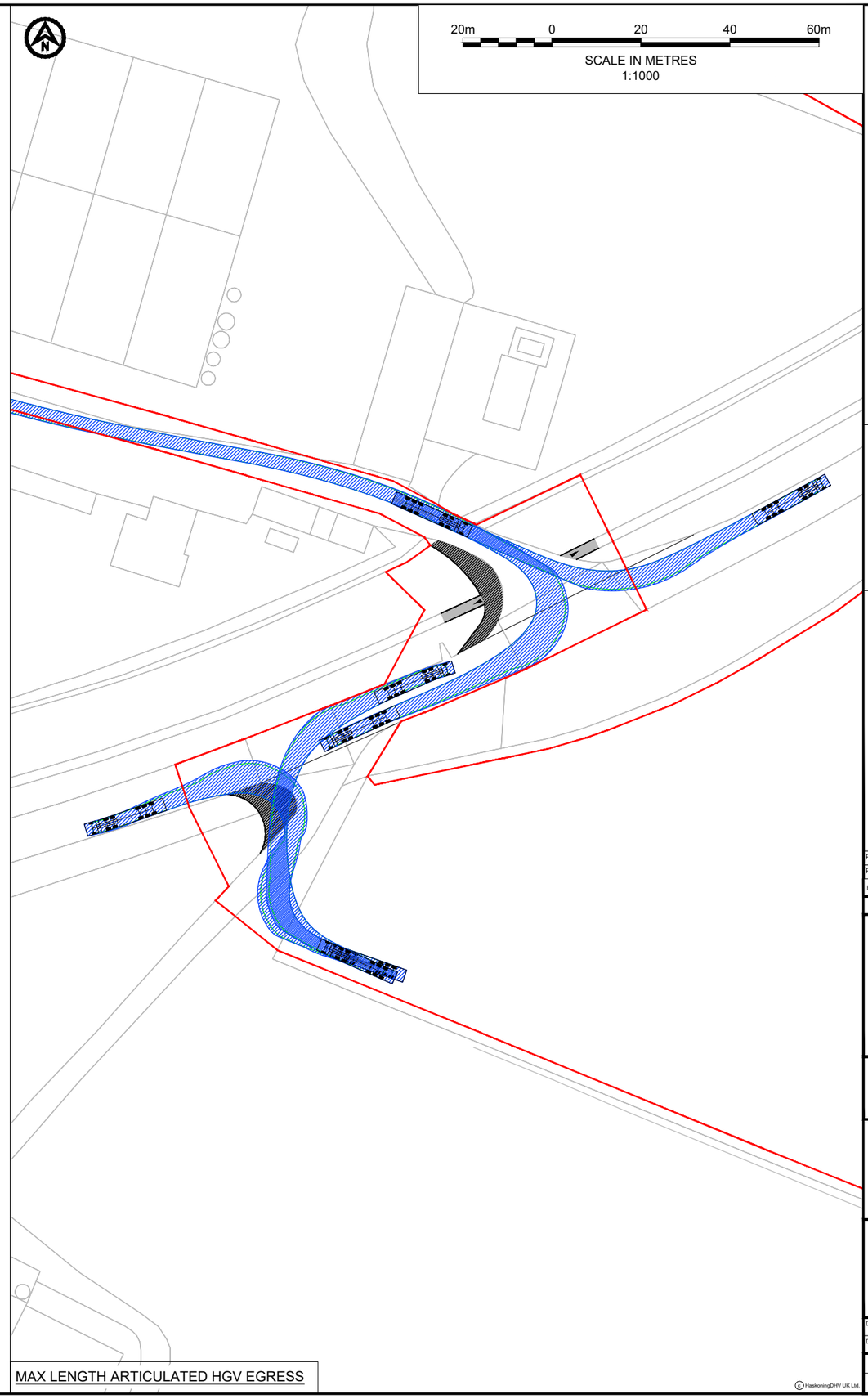
CLIENT DWG No.

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PC2340-RHD-ZZ-ZZ-DR-R-0138



MAX LENGTH ARTICULATED HGV INGRESS



MAX LENGTH ARTICULATED HGV EGRESS

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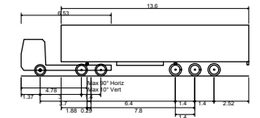
NOTES

1. Do not scale from this drawing. All dimensions are in metres unless noted otherwise.
2. This drawing has been based upon Ordnance Survey Maps and Royal HaskoningDHV can not guarantee the accuracy of data.

KEY

- EXISTING ARRANGEMENT
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- ONSHORE CABLE CORRIDOR
- PROPOSED GATE

VEHICLE TRACKING



Max Legal Length (UK) Articulated Vehicle (16.5m)

Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	18.07.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC9 (NORTH & SOUTH)
SWEPT PATH ANALYSIS

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1832 565656
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AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
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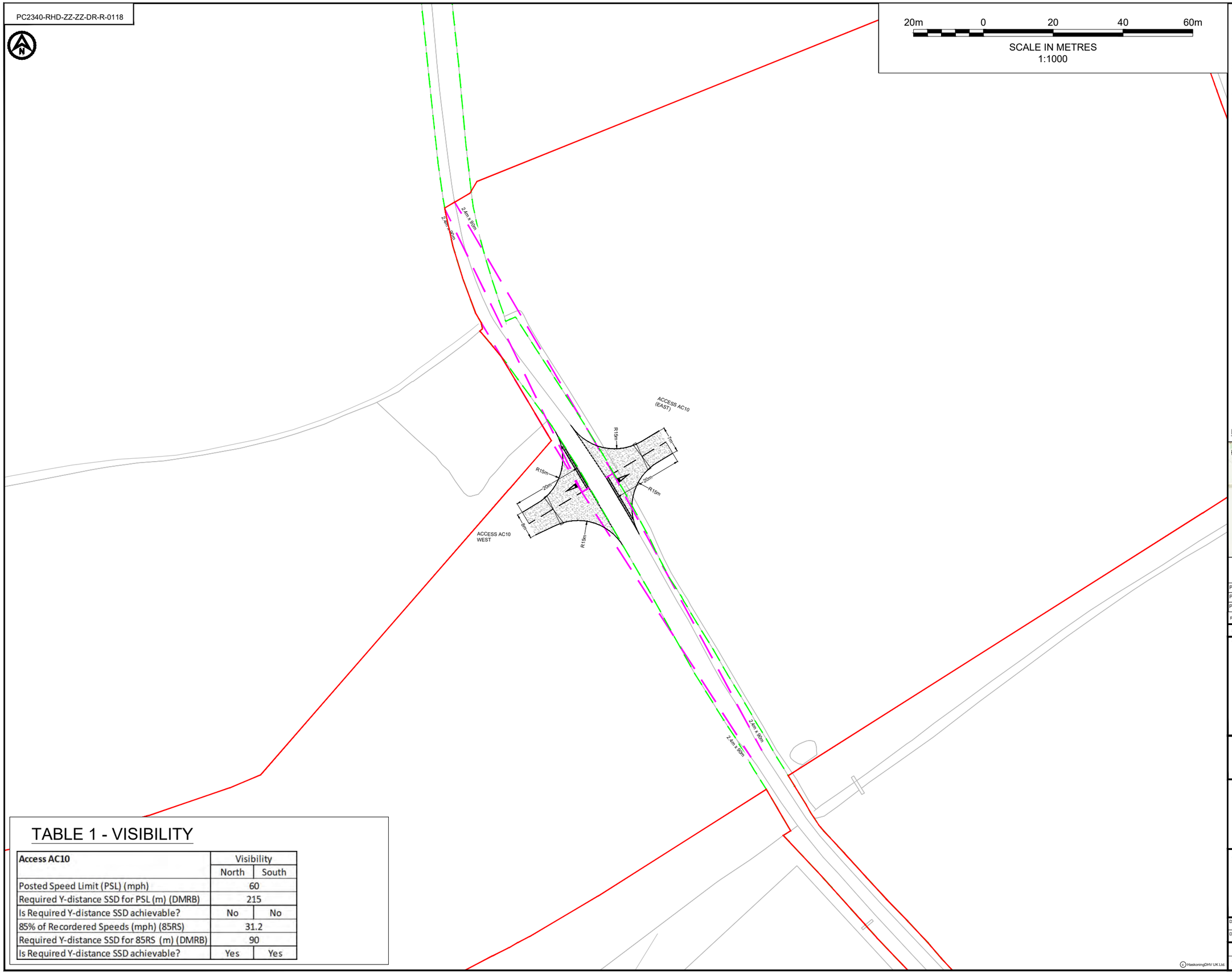
REVISION P02

CLIENT DWG No.

PC2340-RHD-ZZ-ZZ-DR-R-0118

20m 0 20 40 60m

SCALE IN METRES
1:1000



NOTES

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2. This drawing has been based upon Ordnance Survey Maps and Royal HaskoningDHV can not guarentee the accuracy of data.
3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE

LOCATION PLAN



TABLE 1 - VISIBILITY

Access AC10	Visibility	
	North	South
Posted Speed Limit (PSL) (mph)	60	
Required Y-distance SSD for PSL (m) (DMRB)	215	
Is Required Y-distance SSD achievable?	No	No
85% of Recordered Speeds (mph) (85RS)	31.2	
Required Y-distance SSD for 85RS (m) (DMRB)	90	
Is Required Y-distance SSD achievable?	Yes	Yes

REV	DATE	DESCRIPTION	BY	CHK	APP
P03	29.09.24	UPDATED VIEWPORTS AND NORTH ARROW	AA	SKT	SKT
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

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RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC10 (EAST & WEST)
GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1832 595566
www.royalhaskoningdhv.com

Royal HaskoningDHV
Enhancing Society Together

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DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0118

REVISION P03

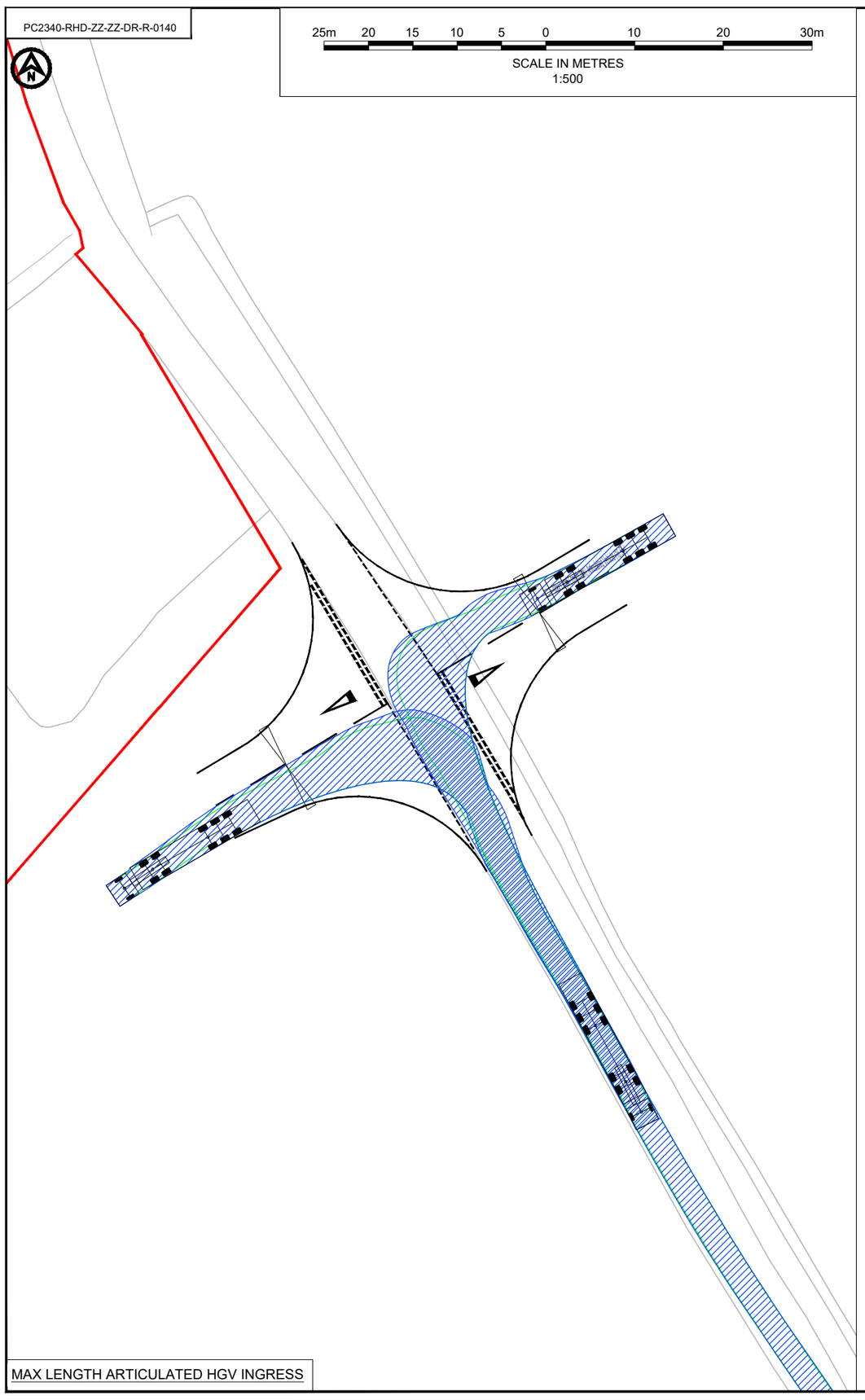
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PC2340-RHD-ZZ-ZZ-DR-R-0140

25m 20 15 10 5 0 10 20 30m

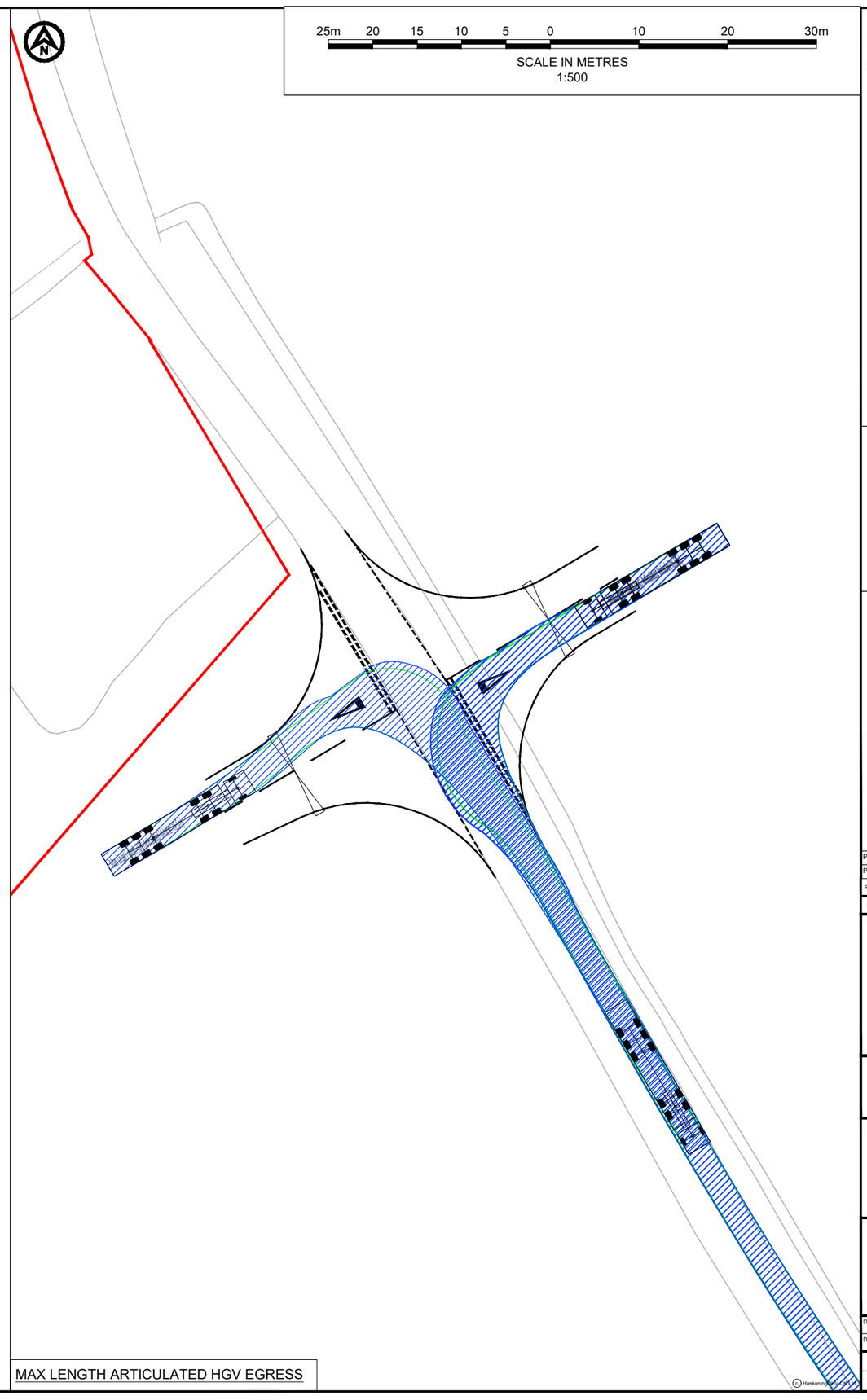
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1:500



MAX LENGTH ARTICULATED HGV INGRESS

25m 20 15 10 5 0 10 20 30m

SCALE IN METRES
1:500



MAX LENGTH ARTICULATED HGV EGRESS

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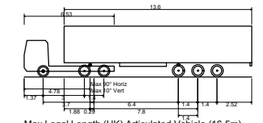
NOTES

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KEY

- EXISTING ARRANGEMENT
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- ONSHORE CABLE CORRIDOR
- PROPOSED GATE

VEHICLE TRACKING



Max Legal Length (UK) Articulated Vehicle (16.5m)

Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	23.07.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC10 (EAST & WEST)
SWEPT PATH ANALYSIS

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 569566
www.royalhaskoningdhv.com

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DATE	SCALE	AUTOCAD REF.
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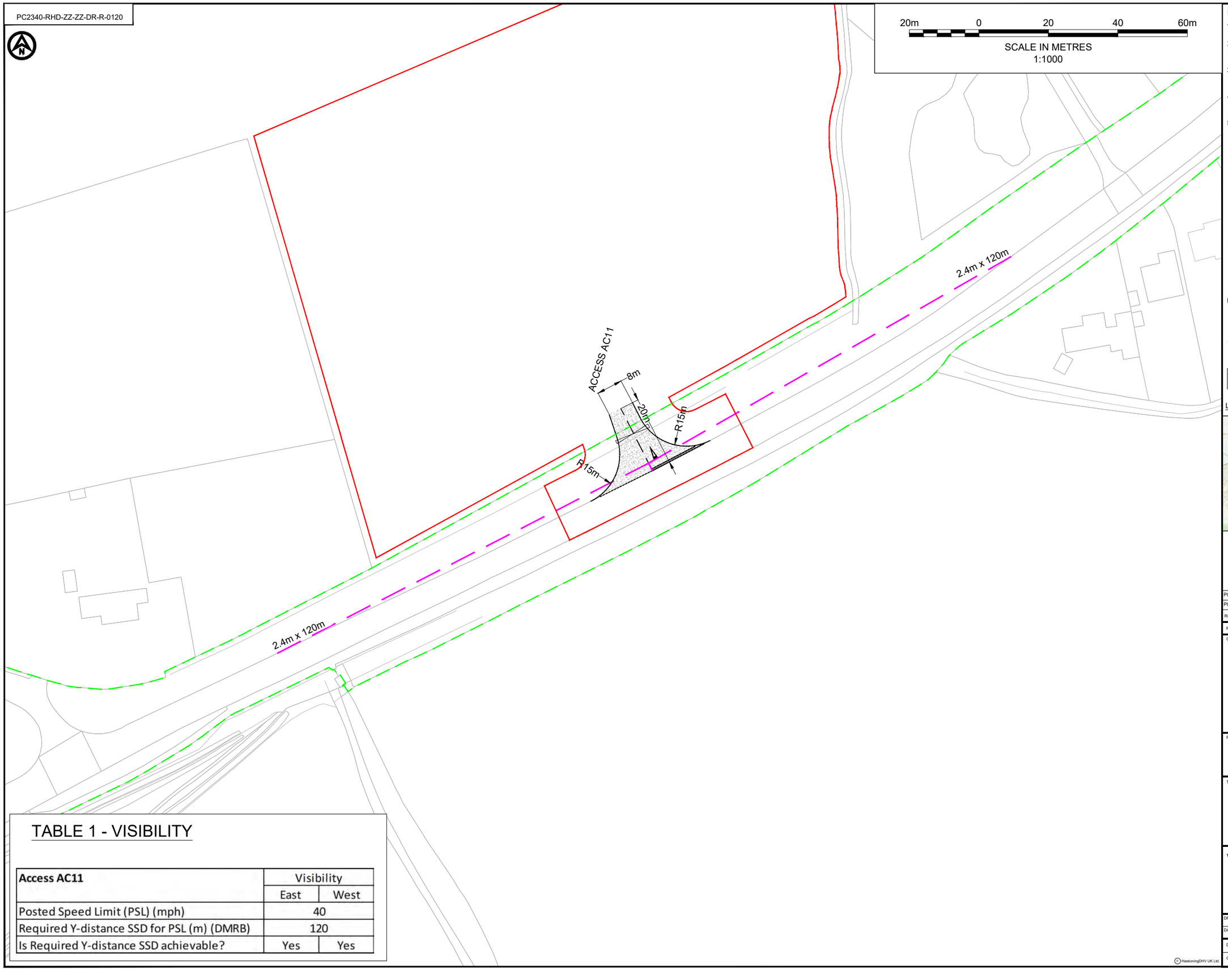
REVISION P02

CLIENT DWG No.

PC2340-RHD-ZZ-ZZ-DR-R-0120

20m 0 20 40 60m

SCALE IN METRES
1:1000



NOTES

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3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE

LOCATION PLAN



TABLE 1 - VISIBILITY

Access AC11	Visibility	
	East	West
Posted Speed Limit (PSL) (mph)	40	
Required Y-distance SSD for PSL (m) (DMRB)	120	
Is Required Y-distance SSD achievable?	Yes	Yes

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

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PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC11
GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park,
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Peterborough PE2 6FZ
Tel +44(0)1932 569566
www.royalhaskoningdhv.com

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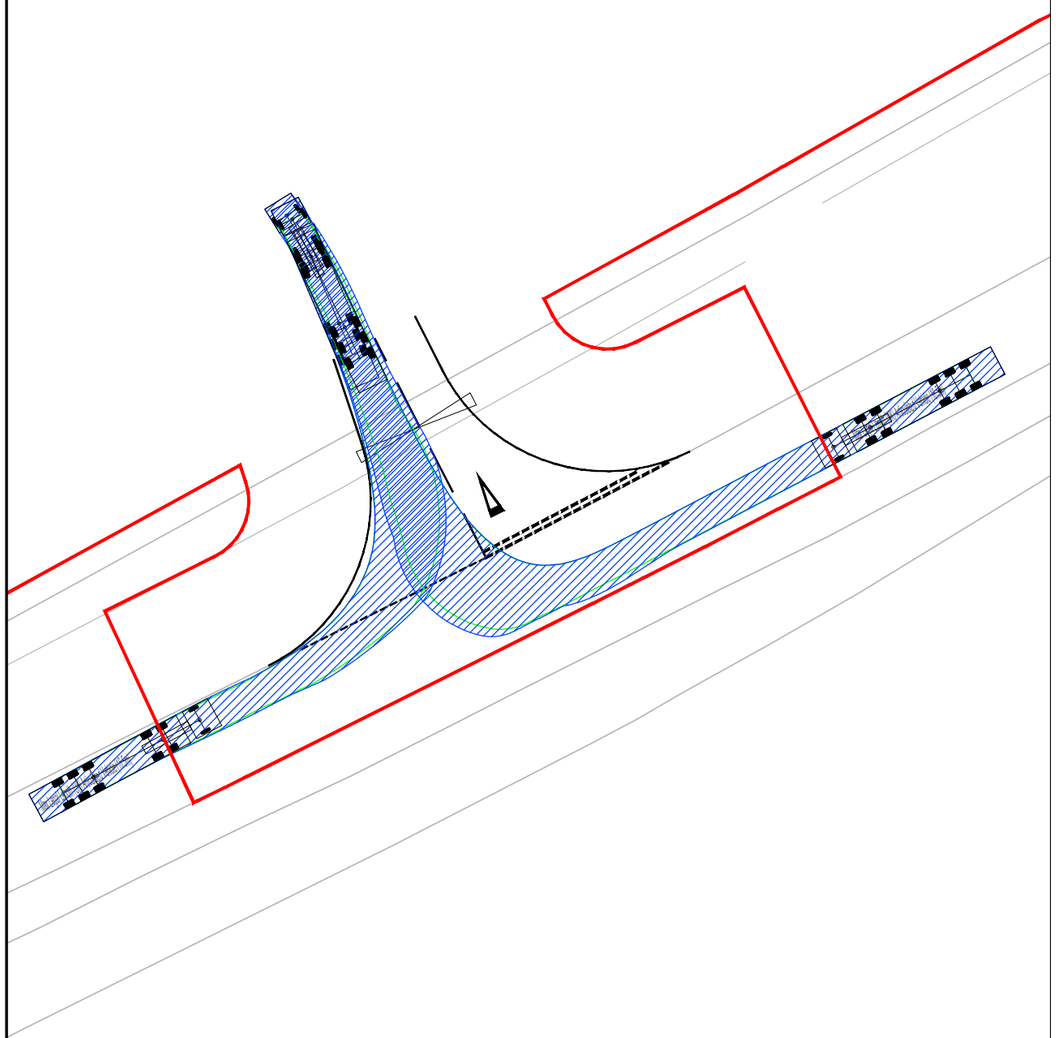
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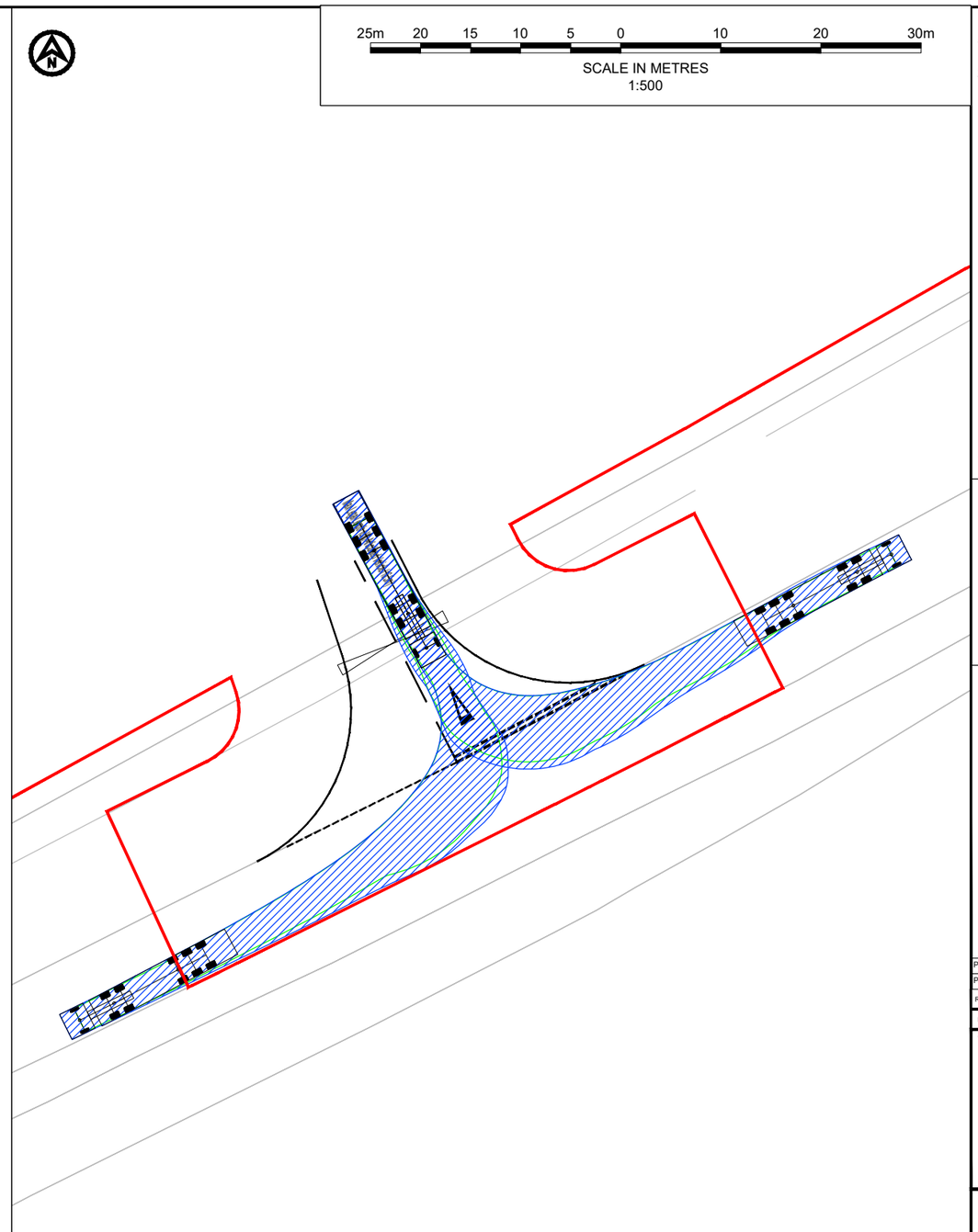
PC2340-RHD-ZZ-ZZ-DR-R-0141

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SCALE IN METRES
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MAX LENGTH ARTICULATED HGV INGRESS



MAX LENGTH ARTICULATED HGV EGRESS

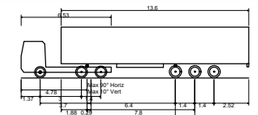
NOTES

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KEY

- EXISTING ARRANGEMENT
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- ONSHORE CABLE CORRIDOR
- PROPOSED GATE

VEHICLE TRACKING



Max Legal Length (UK) Articulated Vehicle (16.5m)	
Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	23.07.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

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PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC11
SWEPT PATH ANALYSIS

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 569566
www.royalhaskoningdhv.com

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Enhancing Society Together

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REVISION P02

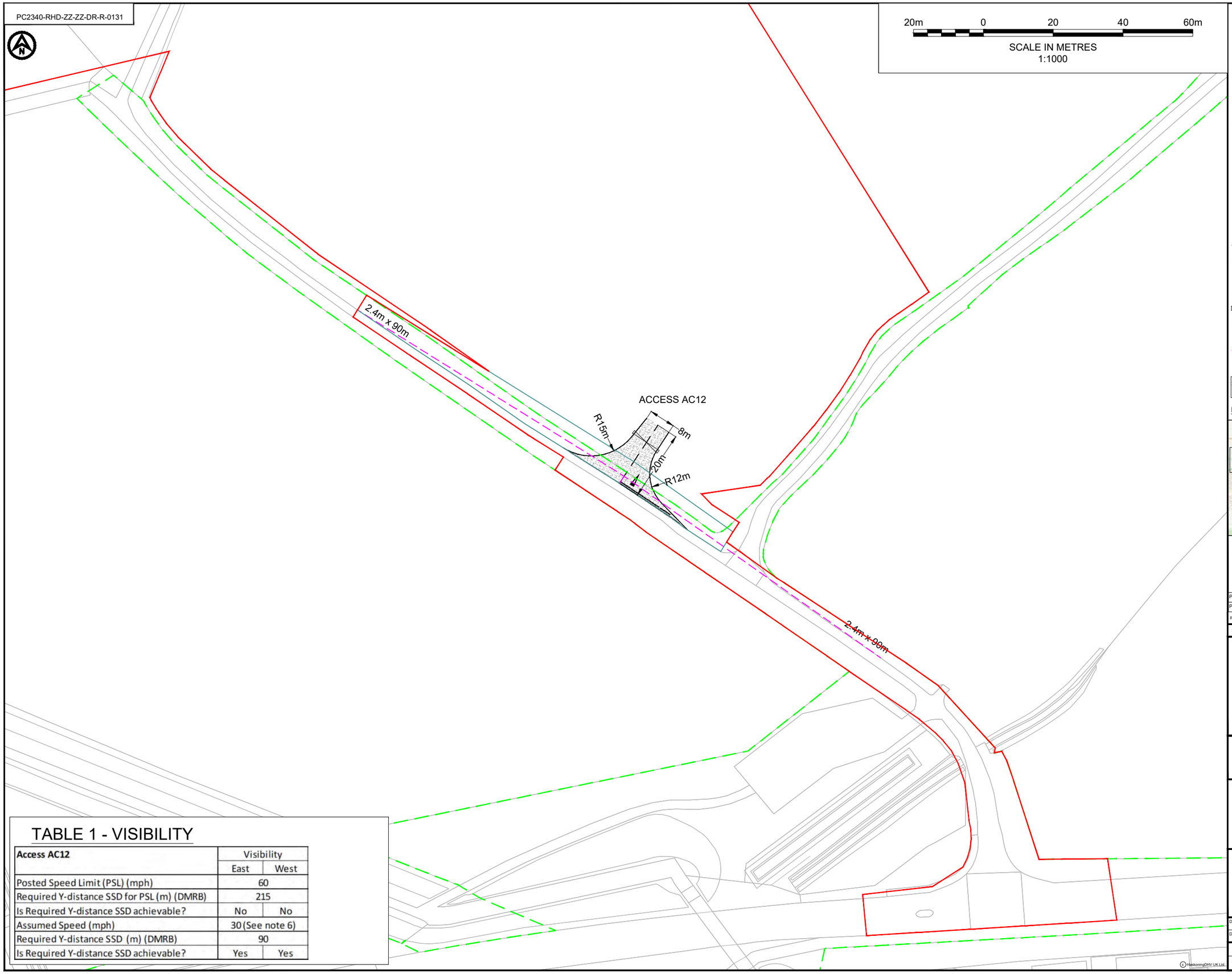
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PC2340-RHD-ZZ-ZZ-DR-R-0131

20m 0 20 40 60m

SCALE IN METRES
1:1000



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3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.
6. Reduced speed limit has been taken into account considering the geometry of the existing road.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE

LOCATION PLAN

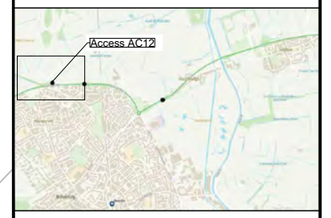


TABLE 1 - VISIBILITY

Access AC12	Visibility	
	East	West
Posted Speed Limit (PSL) (mph)	60	
Required Y-distance SSD for PSL (m) (DMRB)	215	
Is Required Y-distance SSD achievable?	No	No
Assumed Speed (mph)	30 (See note 6)	
Required Y-distance SSD (m) (DMRB)	90	
Is Required Y-distance SSD achievable?	Yes	Yes

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	04.07.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

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PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC12
GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park, Lynch Wood, Peterborough PE2 6FZ
Tel +44(0)1932 569566
www.royalhaskoningdhv.com

Royal HaskoningDHV
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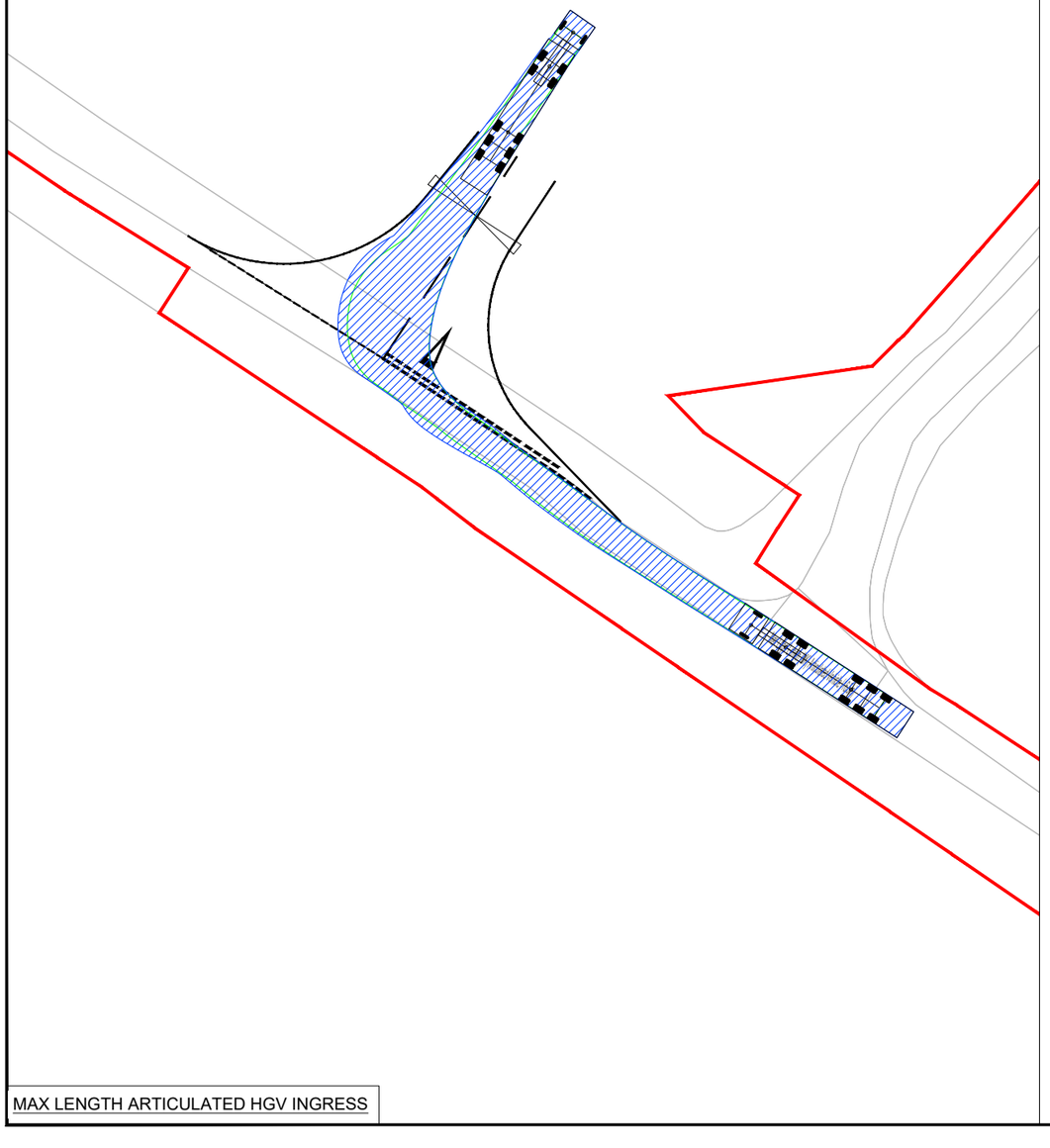
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PC2340-RHD-ZZ-ZZ-DR-R-0132

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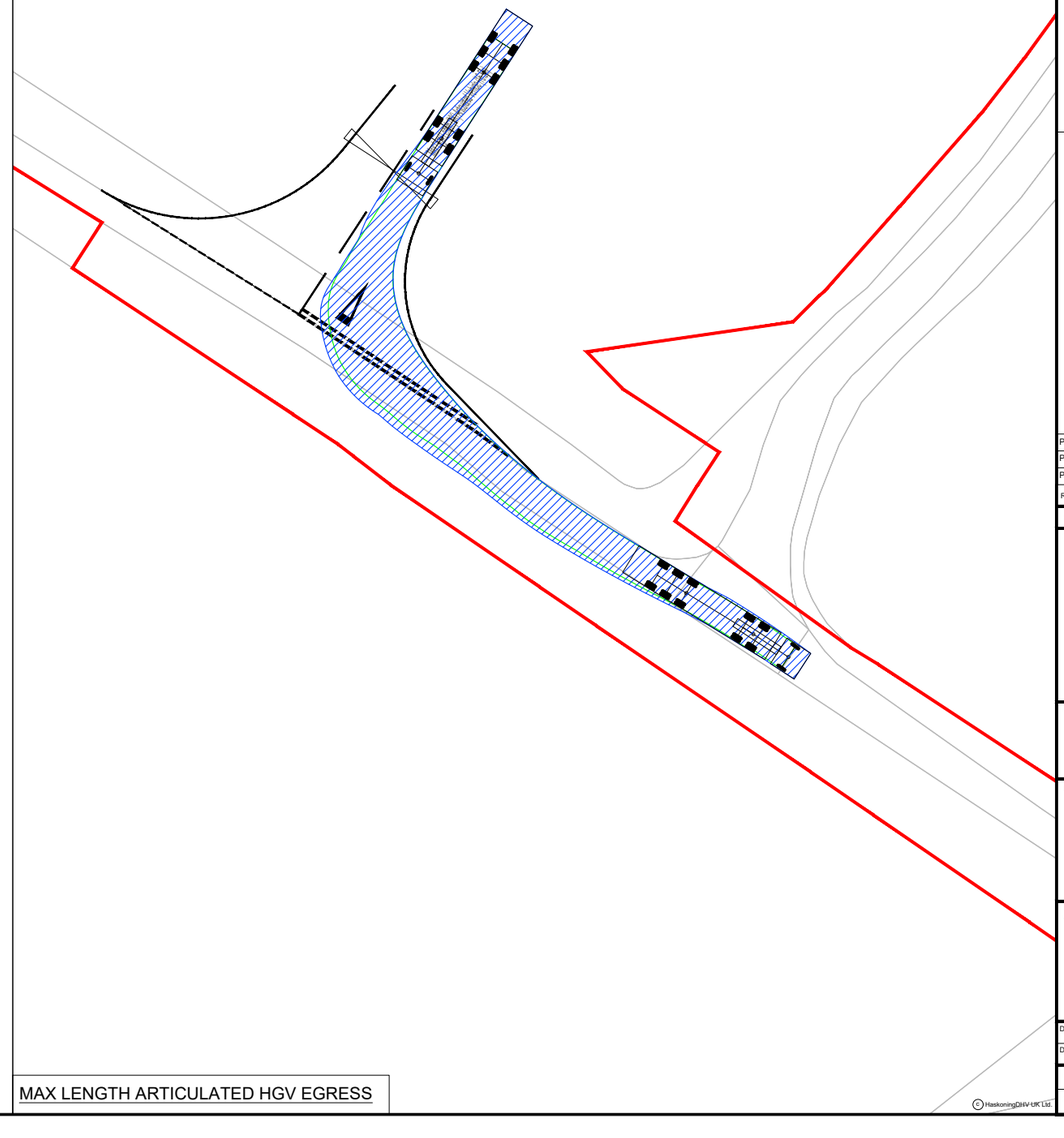
SCALE IN METRES
1:500



MAX LENGTH ARTICULATED HGV INGRESS

25m 20 15 10 5 0 10 20 30m

SCALE IN METRES
1:500



MAX LENGTH ARTICULATED HGV EGRESS

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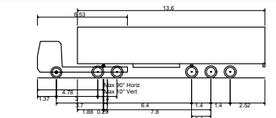
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KEY

- EXISTING ARRANGEMENT
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- ONSHORE CABLE CORRIDOR
- PROPOSED GATE

VEHICLE TRACKING



Max Legal Length (UK) Articulated Vehicle (16.5m)

Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

REV	DATE	DESCRIPTION	BY	CHK	APP
P03	04.10.24	UPDATED VEHICLE TRACKING	AA	SKT	SKT
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	04.07.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

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PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC12
SWEPT PATH ANALYSIS

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 569566
www.royalhaskoningdhv.com

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DATE	SCALE	AUTOCAD REF.
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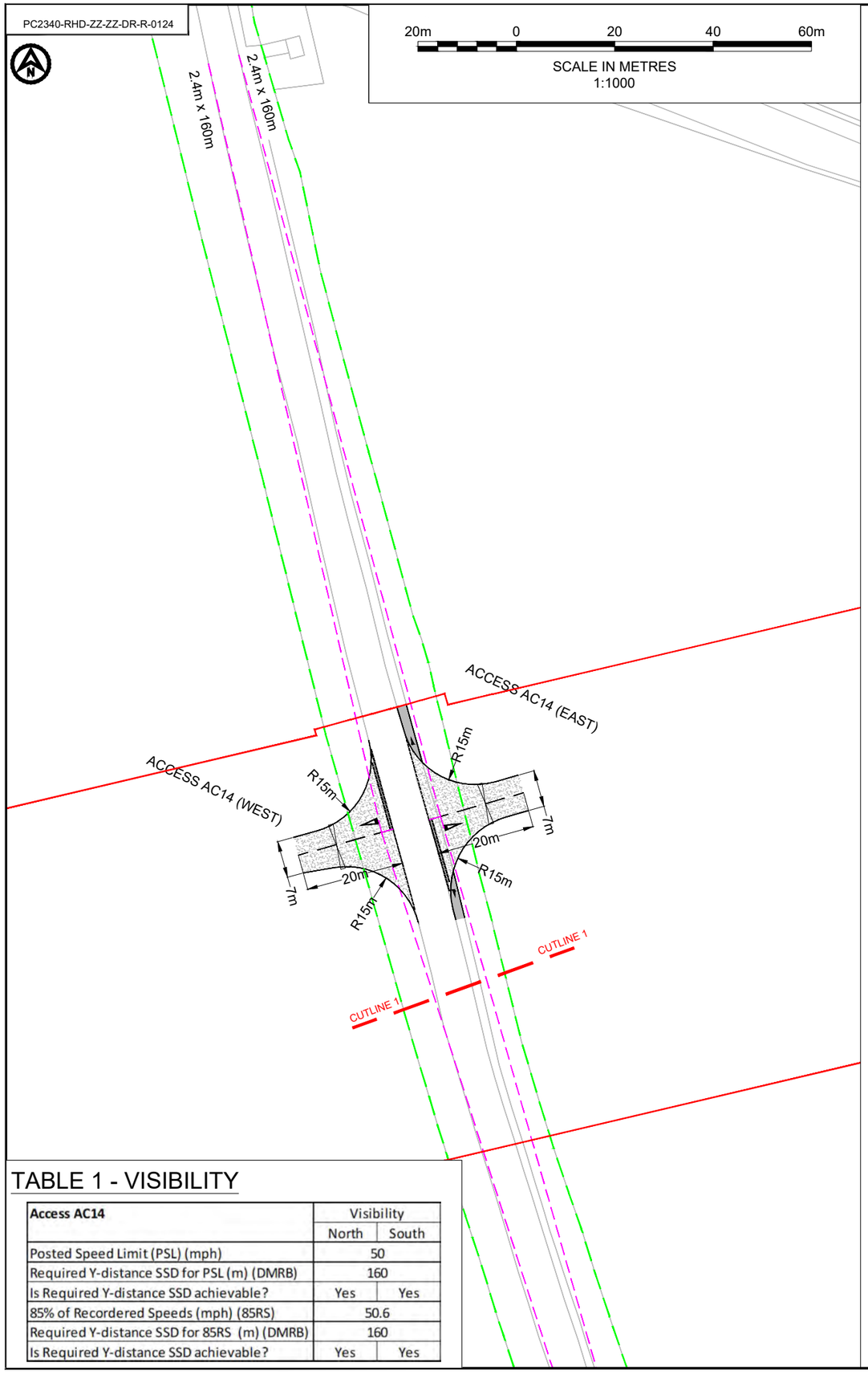
REVISION P03

CLIENT DWG No.

PC2340-RHD-ZZ-ZZ-DR-R-0124

20m 0 20 40 60m

SCALE IN METRES
1:1000



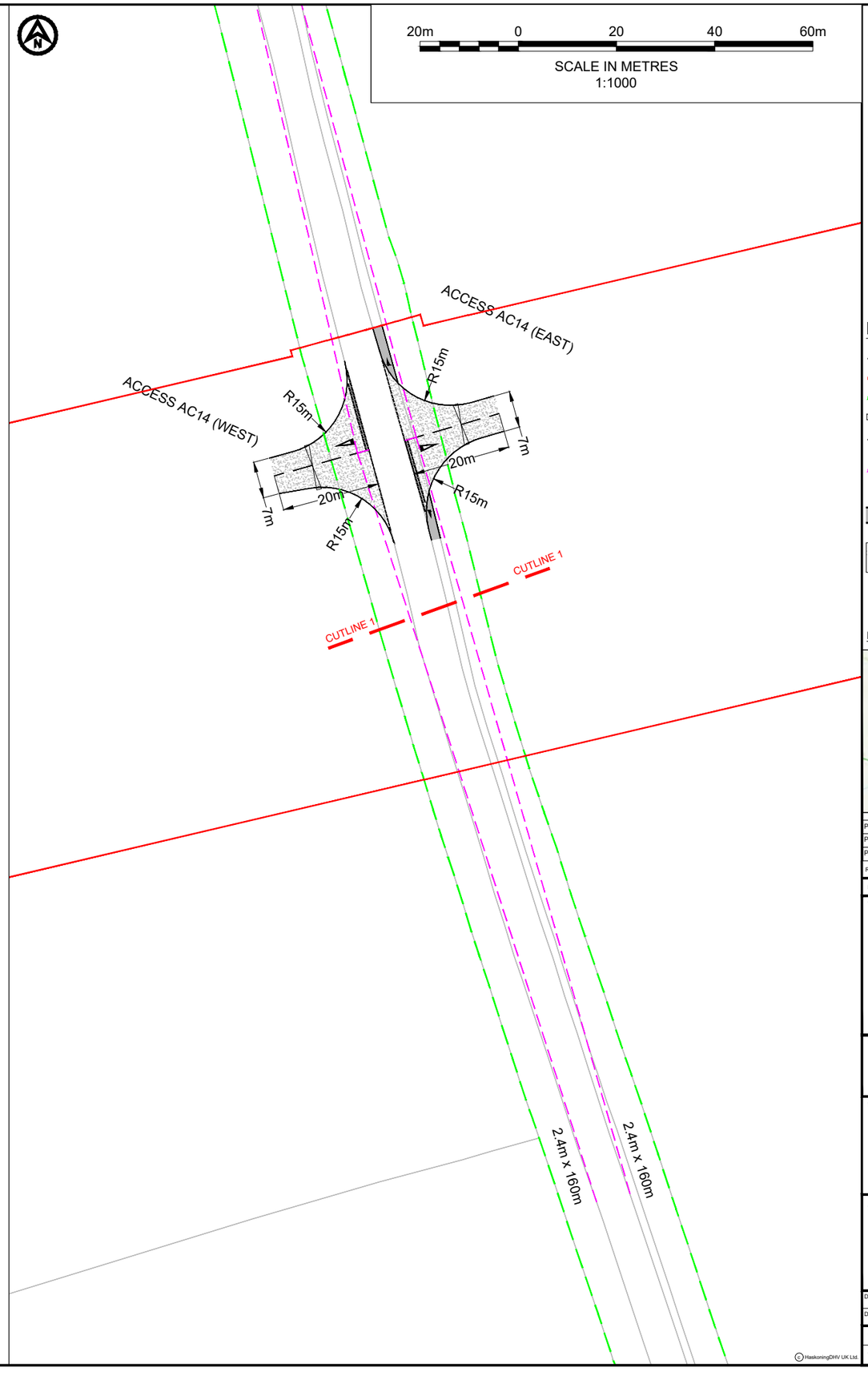


TABLE 1 - VISIBILITY

Access AC14	Visibility	
	North	South
Posted Speed Limit (PSL) (mph)	50	
Required Y-distance SSD for PSL (m) (DMRB)	160	
Is Required Y-distance SSD achievable?	Yes	Yes
85% of Recordered Speeds (mph) (85RS)	50.6	
Required Y-distance SSD for 85RS (m) (DMRB)	160	
Is Required Y-distance SSD achievable?	Yes	Yes

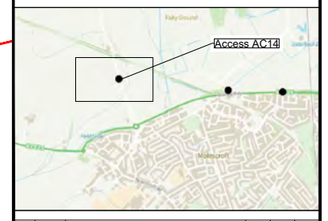
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4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- SHARED CYCLE/FOOTWAY WITH TACTILE PAVING TO BE INSTALLED AT CROSSINGS
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE

LOCATION PLAN



REV	DATE	DESCRIPTION	BY	CHK	APP
P03	30.09.24	UPDATED VIEWPORTS AND NORTH ARROW	AA	SKT	SKT
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

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PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC14 (EAST & WEST)
GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1832 595566
www.royalhaskoningdhv.com

Royal HaskoningDHV
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REVISION P03

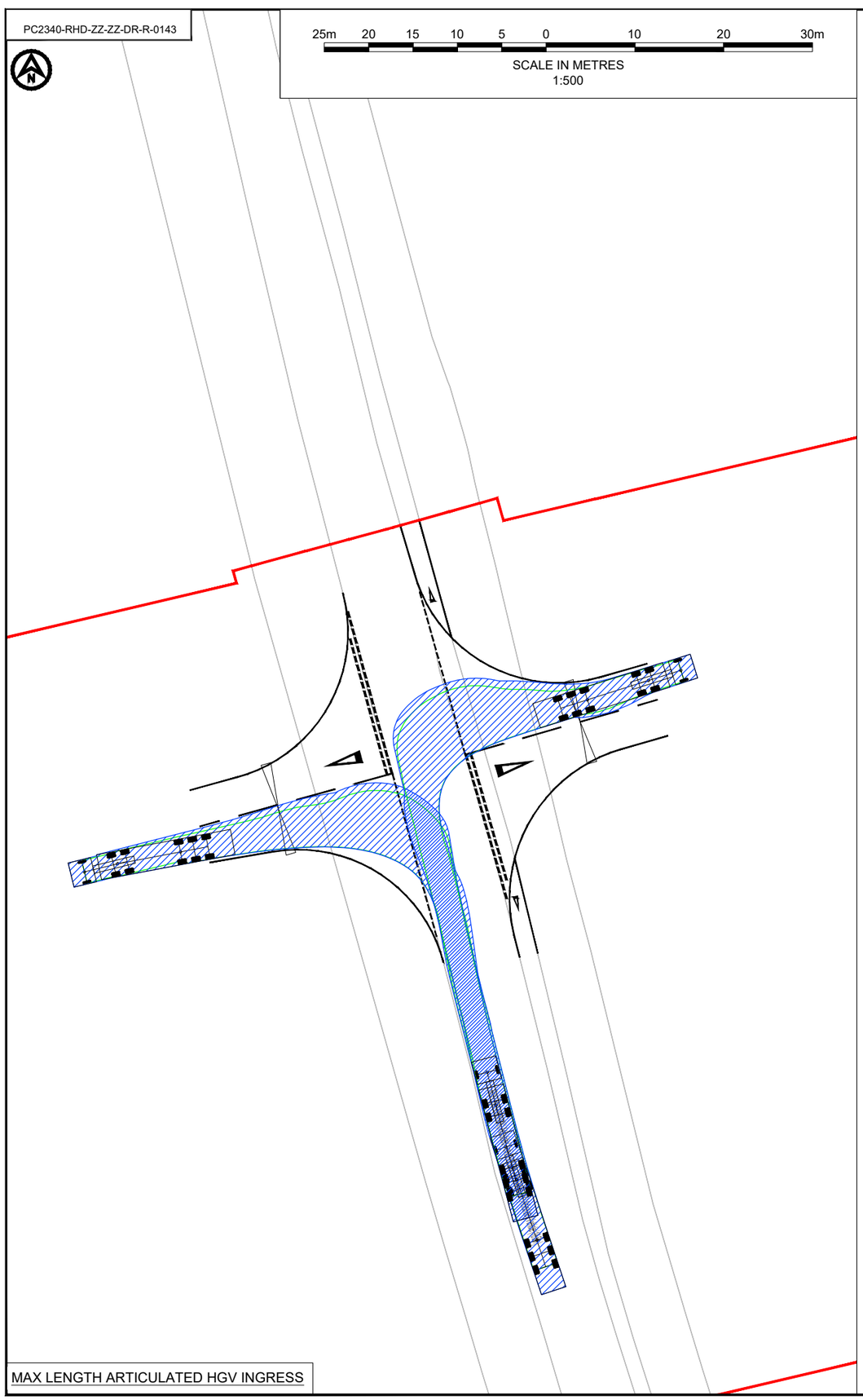
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PC2340-RHD-ZZ-ZZ-DR-R-0143

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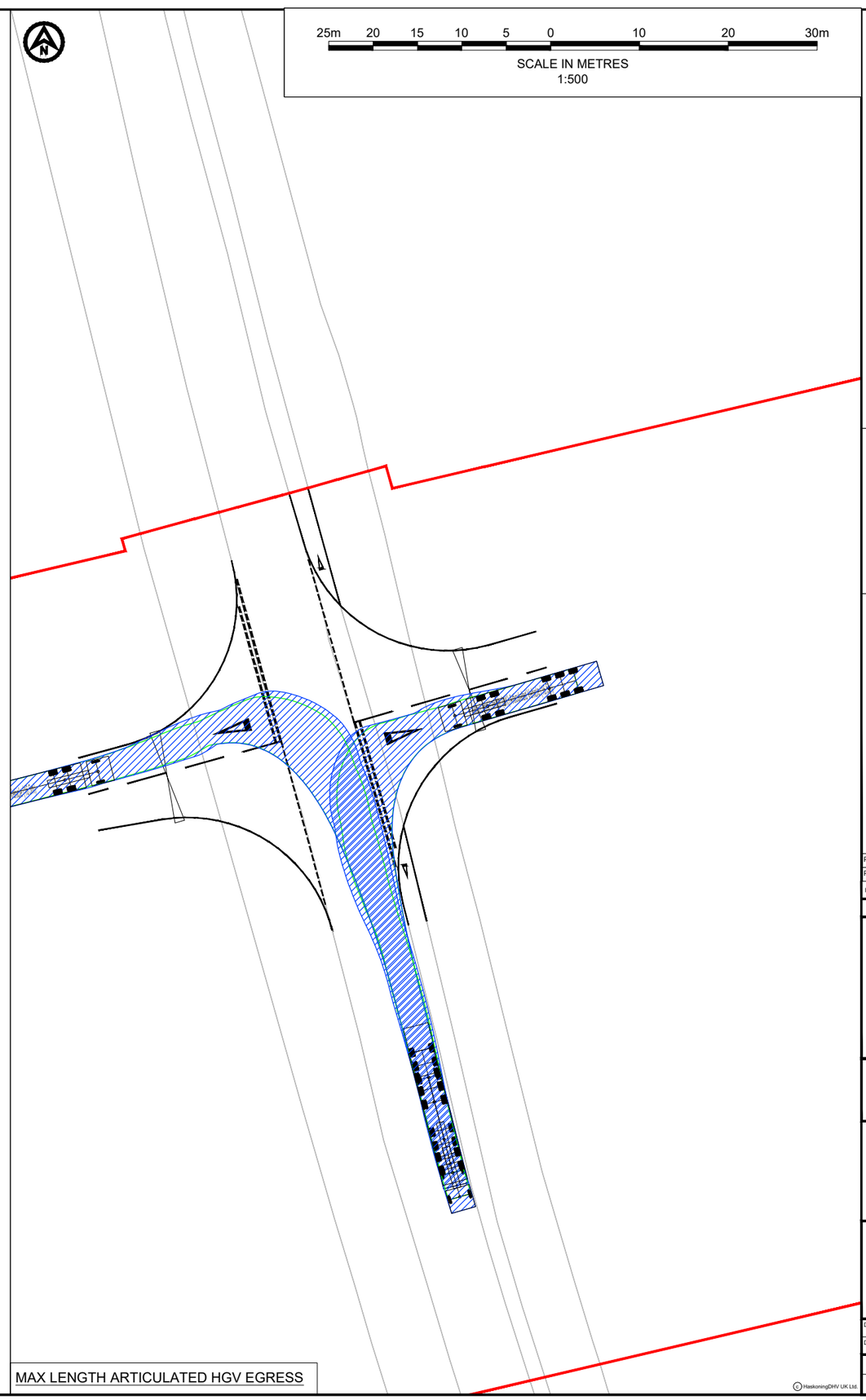
SCALE IN METRES
1:500



MAX LENGTH ARTICULATED HGV INGRESS

25m 20 15 10 5 0 10 20 30m

SCALE IN METRES
1:500



MAX LENGTH ARTICULATED HGV EGRESS

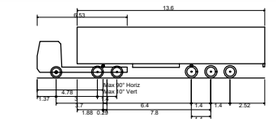
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KEY

- EXISTING ARRANGEMENT
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- ONSHORE CABLE CORRIDOR
- PROPOSED GATE

VEHICLE TRACKING



Max Legal Length (UK) Articulated Vehicle (16.5m)

Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	23.07.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

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PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC14 (EAST & WEST)
SWEPT PATH ANALYSIS

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 569569
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REVISION P02

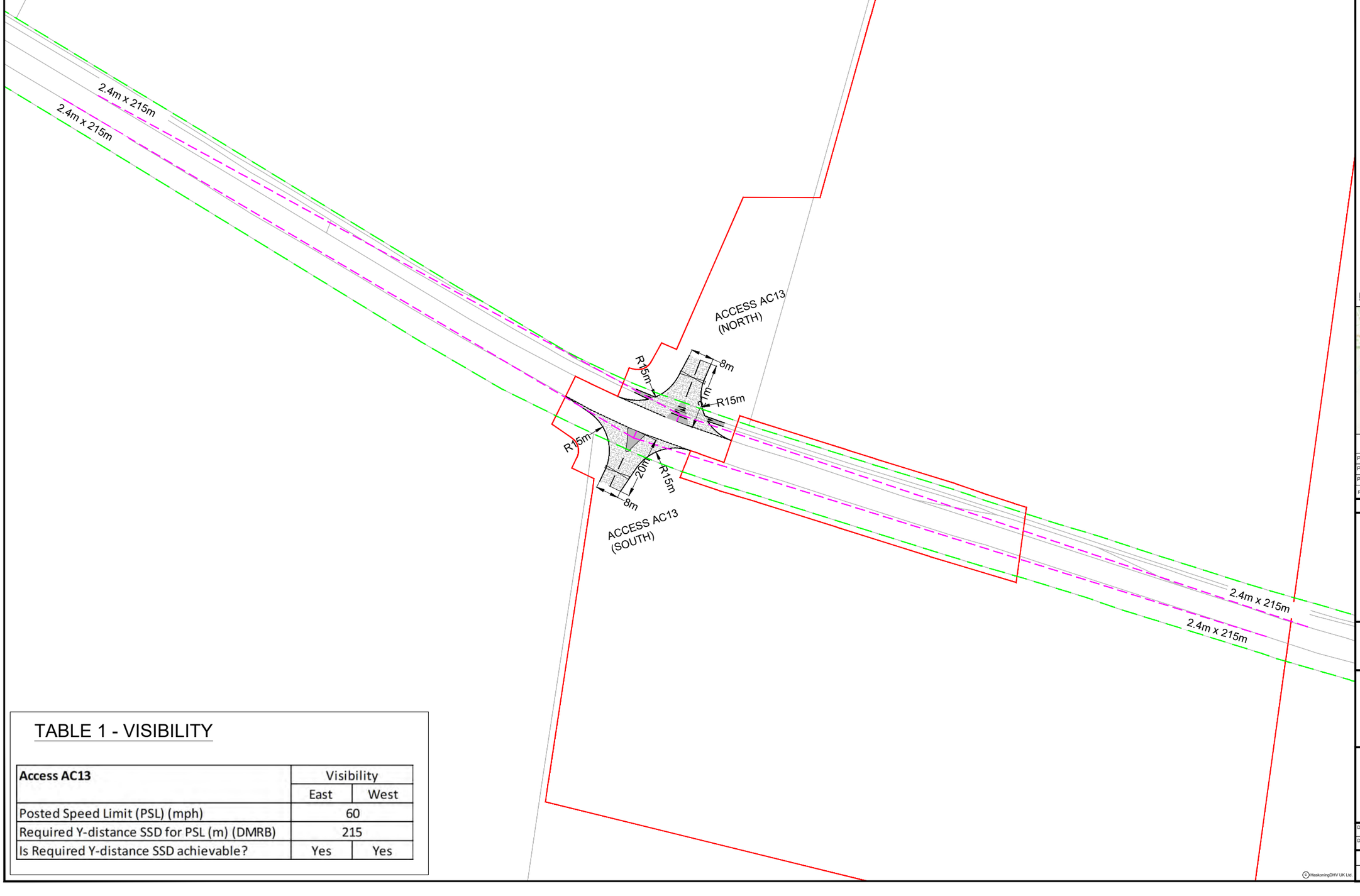
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PC2340-RHD-ZZ-ZZ-DR-R-0123

25m 0 25 50 75 100m

SCALE IN METRES
1:1250



NOTES

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4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- INDICATIVE HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- SHARED CYCLE/FOOTWAY WITH TACTILE PAVING TO BE INSTALLED AT CROSSINGS
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE
- SPLITTER ISLAND TO BE INSTALLED

LOCATION PLAN



TABLE 1 - VISIBILITY

Access AC13	Visibility	
	East	West
Posted Speed Limit (PSL) (mph)	60	
Required Y-distance SSD for PSL (m) (DMRB)	215	
Is Required Y-distance SSD achievable?	Yes	Yes

P03	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P02	08.09.23	UPDATED ACCESS LOCATION	AA	SKT	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT
REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

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PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC13 (NORTH & SOUTH)
GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park,
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Peterborough PE2 6FZ
Tel +44(0)1932 569569
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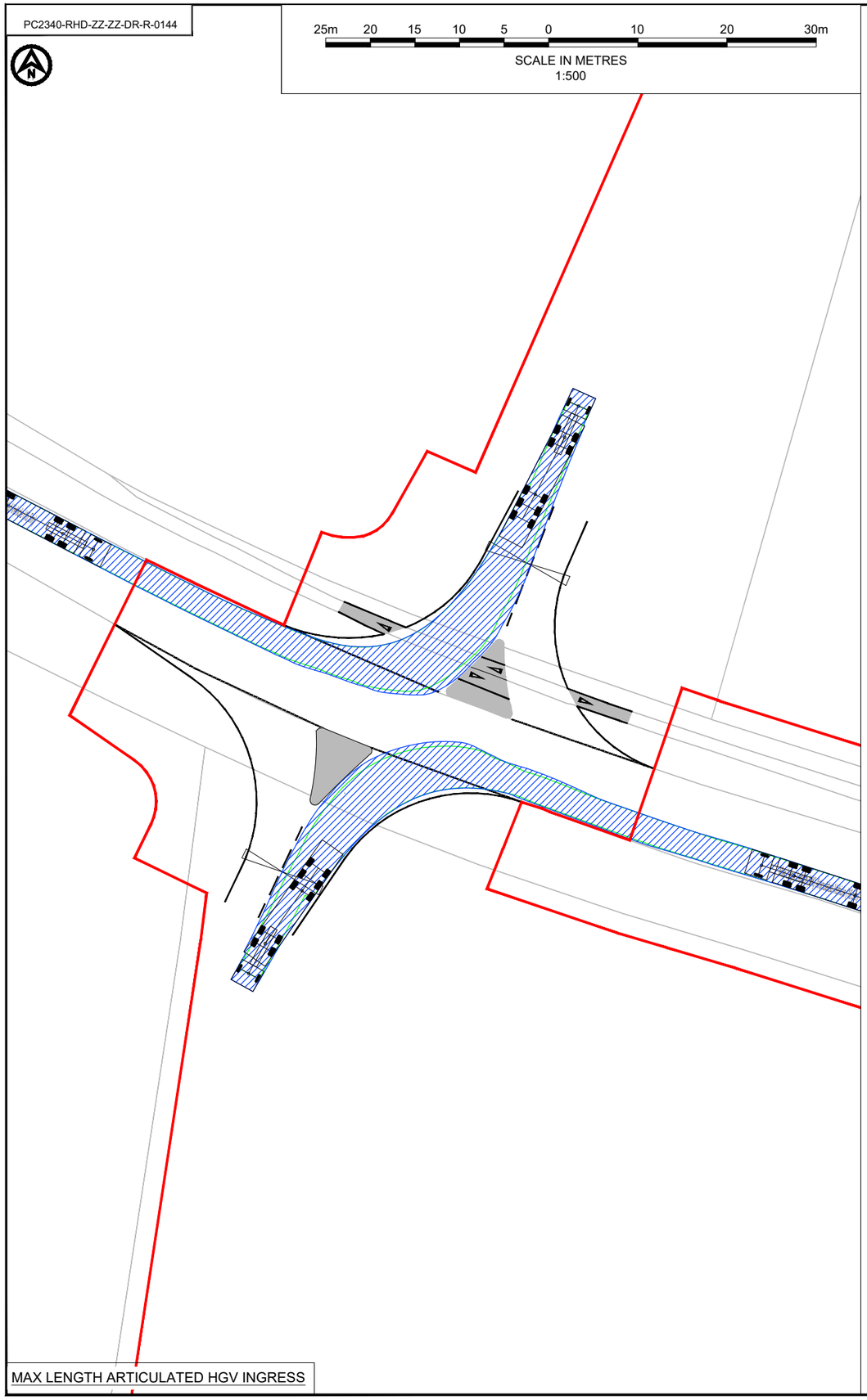
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AA	SKT	SKT
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DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0123 REVISION P03

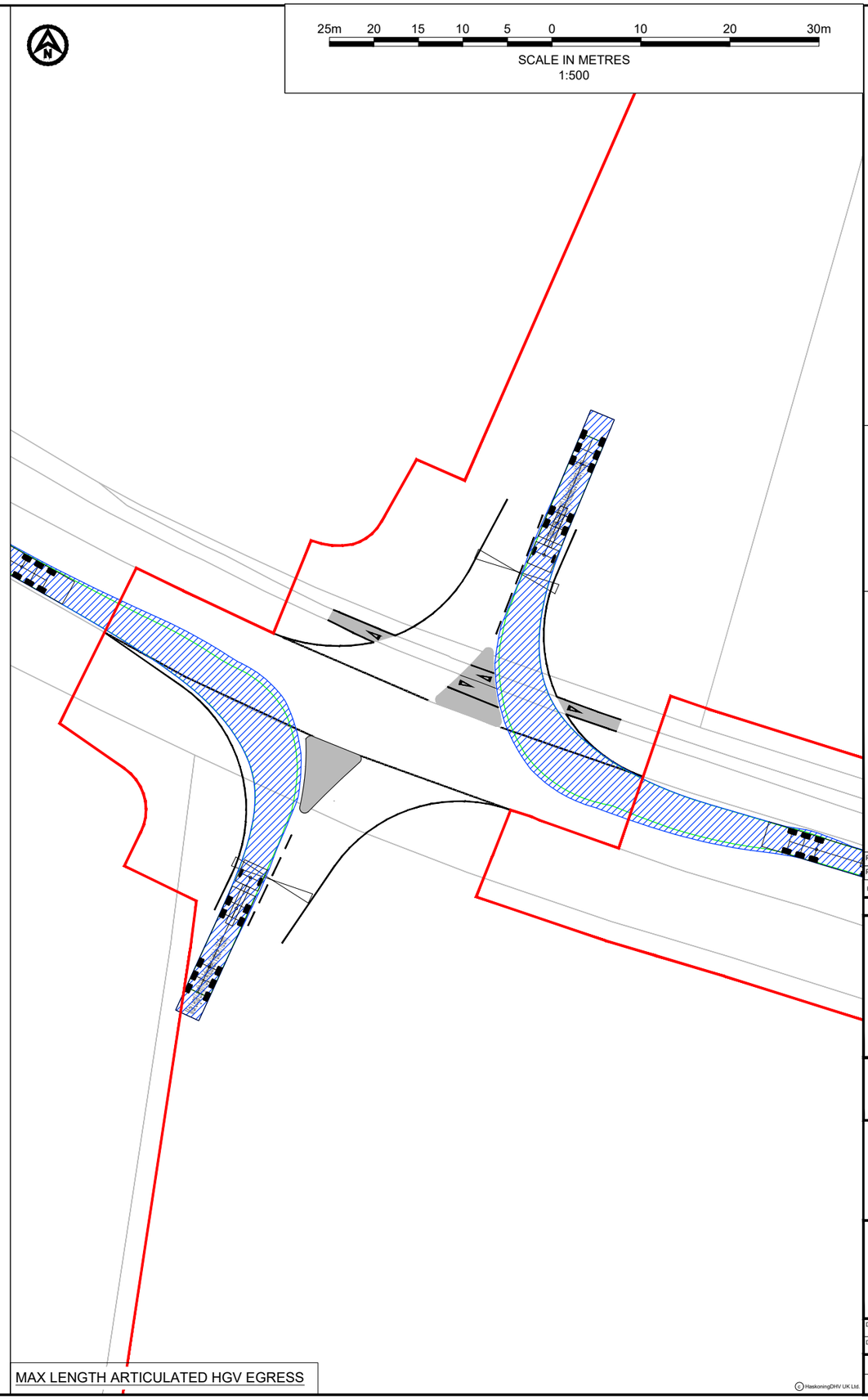
CLIENT DWG No.

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PC2340-RHD-ZZ-ZZ-DR-R-0144



MAX LENGTH ARTICULATED HGV INGRESS



MAX LENGTH ARTICULATED HGV EGRESS

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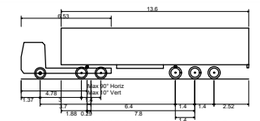
NOTES

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2. This drawing has been based upon Ordnance Survey Maps and Royal HaskoningDHV can not guarantee the accuracy of data.

KEY

- EXISTING ARRANGEMENT
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- ONSHORE CABLE CORRIDOR
- PROPOSED GATE

VEHICLE TRACKING



Max Legal Length (UK) Articulated Vehicle (16.5m)	
Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	23.07.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC13 (NORTH & SOUTH)
SWEPT PATH ANALYSIS

Westpoint, Peterborough Business Park
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 595568
www.royalhaskoningdhv.com

Royal HaskoningDHV
Enhancing Society Together

DRAWN	CHECKED	APPROVED
AA	SKT	SKT

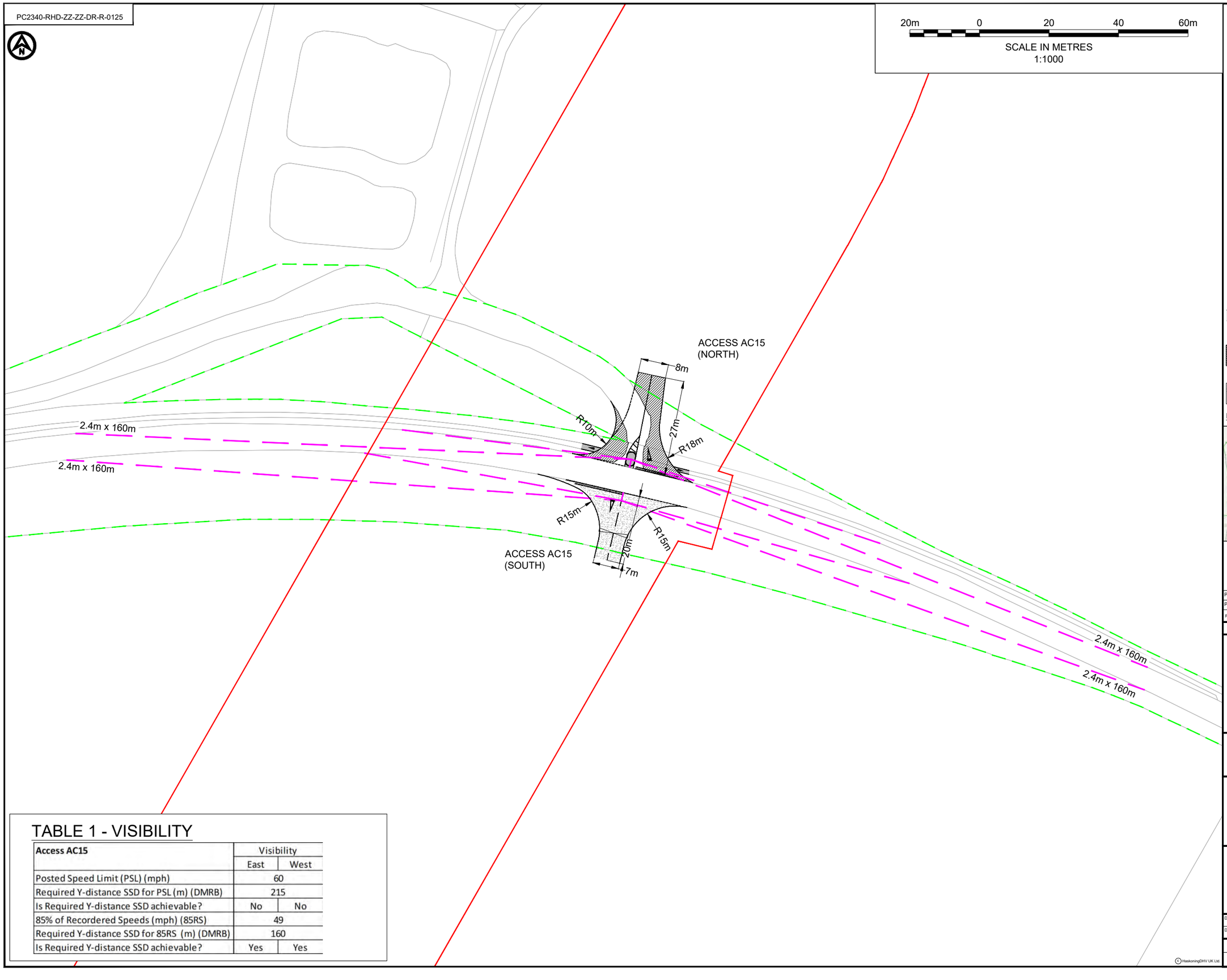
DATE	SCALE	AUTOCAD REF.
23.07.23	1:500	

DRAWING No.	REVISION
PC2340-RHD-ZZ-ZZ-DR-R-0144	P02
CLIENT DWG No.	

PC2340-RHD-ZZ-ZZ-DR-R-0125

20m 0 20 40 60m

SCALE IN METRES
1:1000



NOTES

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2. This drawing has been based upon Ordnance Survey Maps and Royal HaskoningDHV can not guarentee the accuracy of data.
3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- SHARED CYCLE/FOOTWAY WITH TACTILE PAVING TO BE INSTALLED AT CROSSINGS
- CARRIAGEWAY WIDENING - FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE

LOCATION PLAN

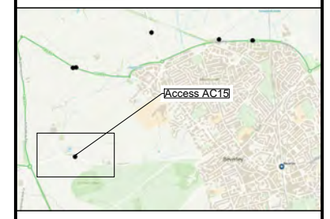


TABLE 1 - VISIBILITY

Access AC15	Visibility	
	East	West
Posted Speed Limit (PSL) (mph)	60	
Required Y-distance SSD for PSL (m) (DMRB)	215	
Is Required Y-distance SSD achievable?	No	No
85% of Recordered Speeds (mph) (85RS)	49	
Required Y-distance SSD for 85RS (m) (DMRB)	160	
Is Required Y-distance SSD achievable?	Yes	Yes

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC15 (NORTH & SOUTH)
GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 569586
www.royalhaskoningdhv.com

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DRAWN	CHECKED	APPROVED
AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
19.06.23	1:1000	

DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0125 REVISION P02

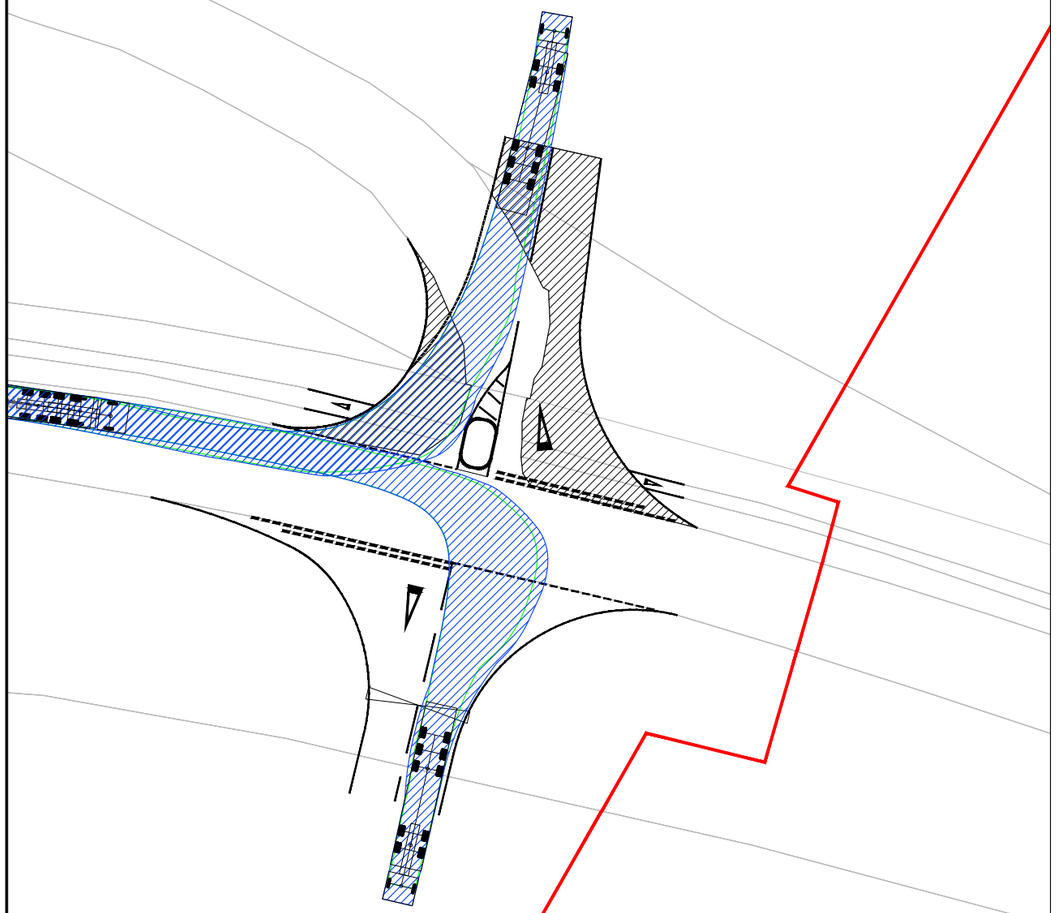
CLIENT DWG No.

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PC2340-RHD-ZZ-ZZ-DR-R-0145

25m 20 15 10 5 0 10 20 30m

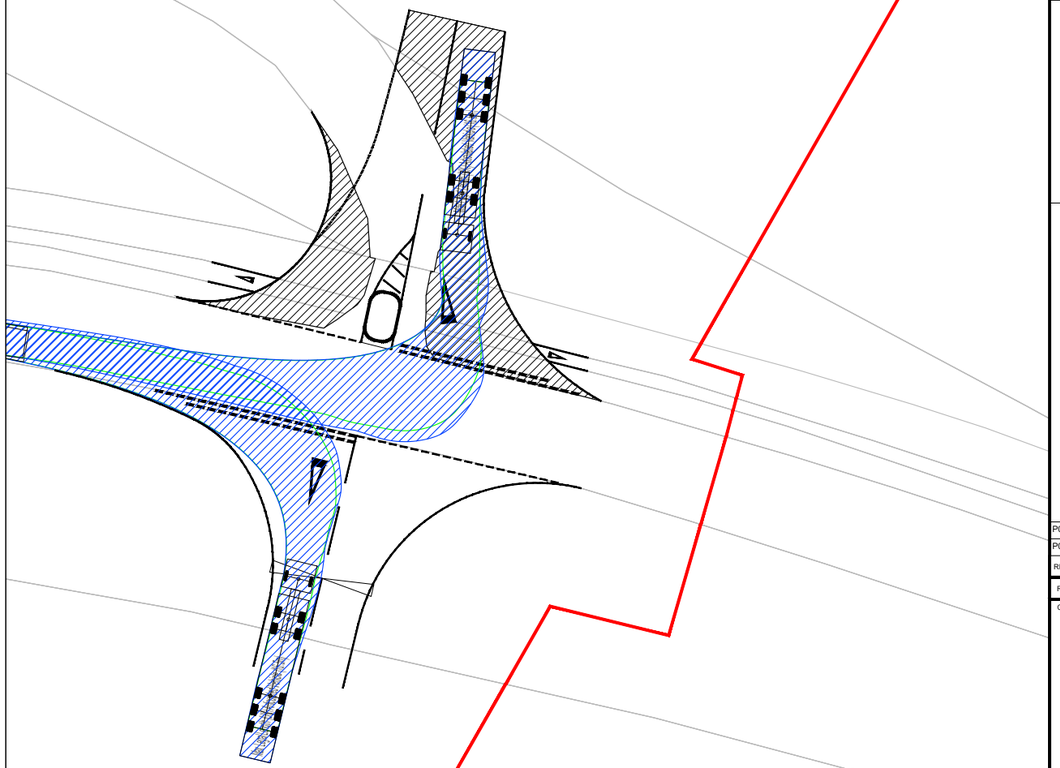
SCALE IN METRES
1:500



MAX LENGTH ARTICULATED HGV INGRESS

25m 20 15 10 5 0 10 20 30m

SCALE IN METRES
1:500



MAX LENGTH ARTICULATED HGV EGRESS

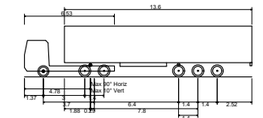
NOTES

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KEY

- EXISTING ARRANGEMENT
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- ONSHORE CABLE CORRIDOR
- PROPOSED GATE

VEHICLE TRACKING



Max Legal Length (UK) Articulated Vehicle (16.5m)

Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	23.07.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC15 (NORTH & SOUTH)
SWEPT PATH ANALYSIS

Westpoint, Peterborough Business Park
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 595595
www.royalhaskoningdhv.com

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AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
23.07.23	1:500	

DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0145 — REVISION P02

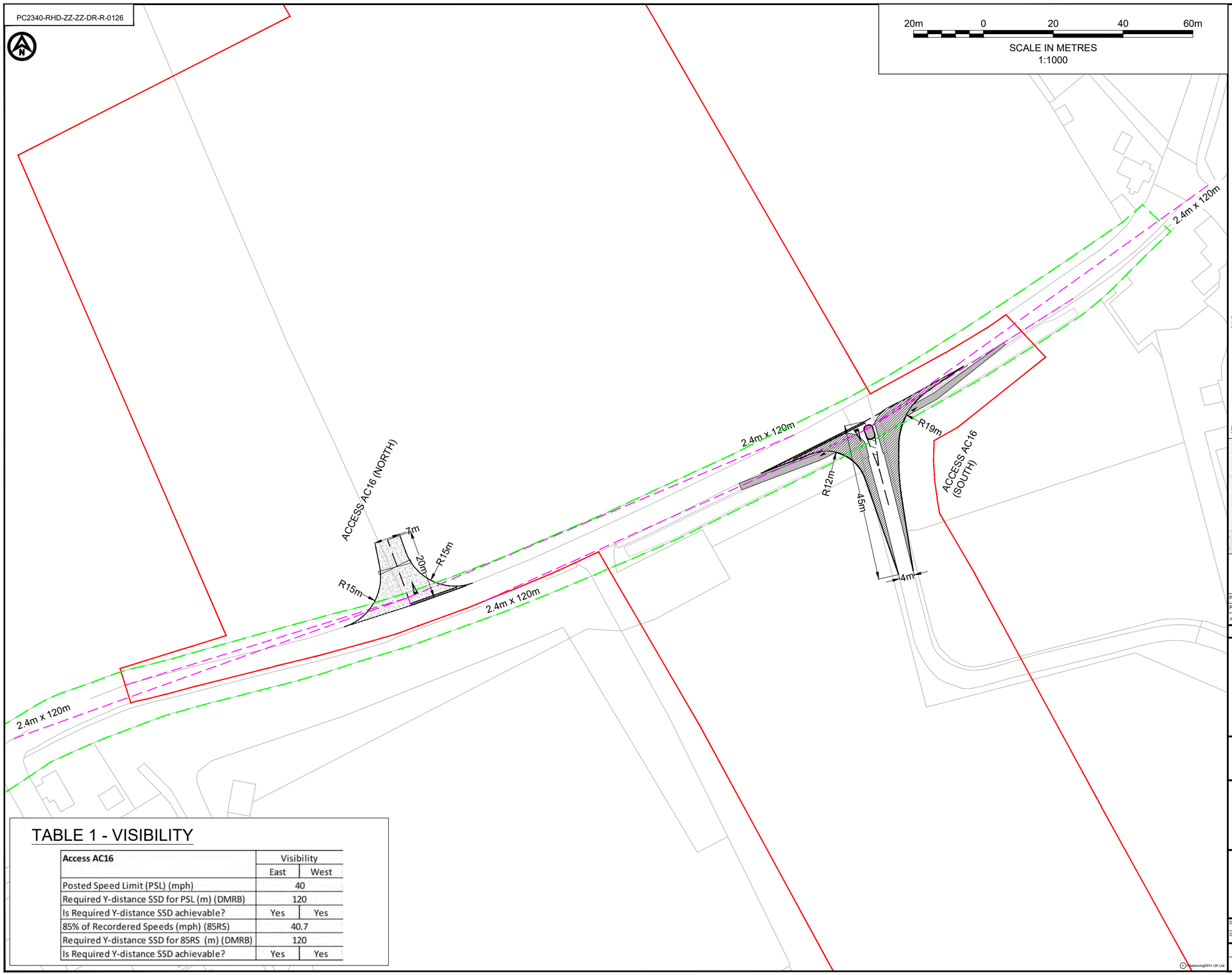
CLIENT DWG No.

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PC2340-RHD-ZZ-ZZ-DR-R-0126

20m 0 20 40 60m

SCALE IN METRES
1:1000



NOTES

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3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- SHARED CYCLE/FOOTWAY WITH TACTILE PAVING TO BE INSTALLED AT CROSSINGS
- CARRIAGEWAY WIDENING - FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE

LOCATION PLAN

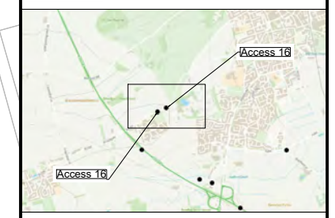


TABLE 1 - VISIBILITY

Access AC16	Visibility	
	East	West
Posted Speed Limit (PSL) (mph)	40	
Required Y-distance SSD for PSL (m) (DMRB)	120	
Is Required Y-distance SSD achievable?	Yes	Yes
85% of Recordered Speeds (mph) (85RS)	40.7	
Required Y-distance SSD for 85RS (m) (DMRB)	120	
Is Required Y-distance SSD achievable?	Yes	Yes

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC16 (NORTH & SOUTH)
GENERAL ARRANGEMENT

Westport, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1832 595605
www.royalhaskoningdhv.com

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Enhancing Society Together

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AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
19.06.23	1:1000	

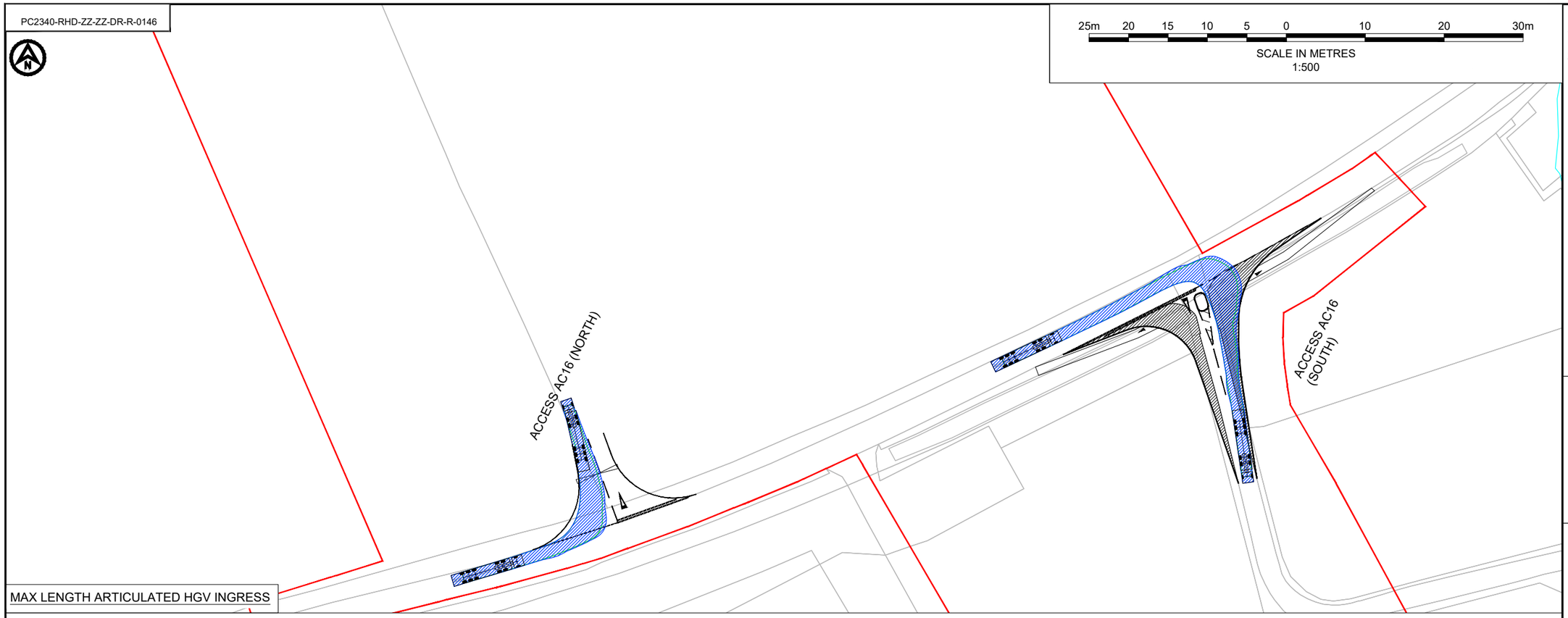
DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0126

REVISION P02

CLIENT DWG No.

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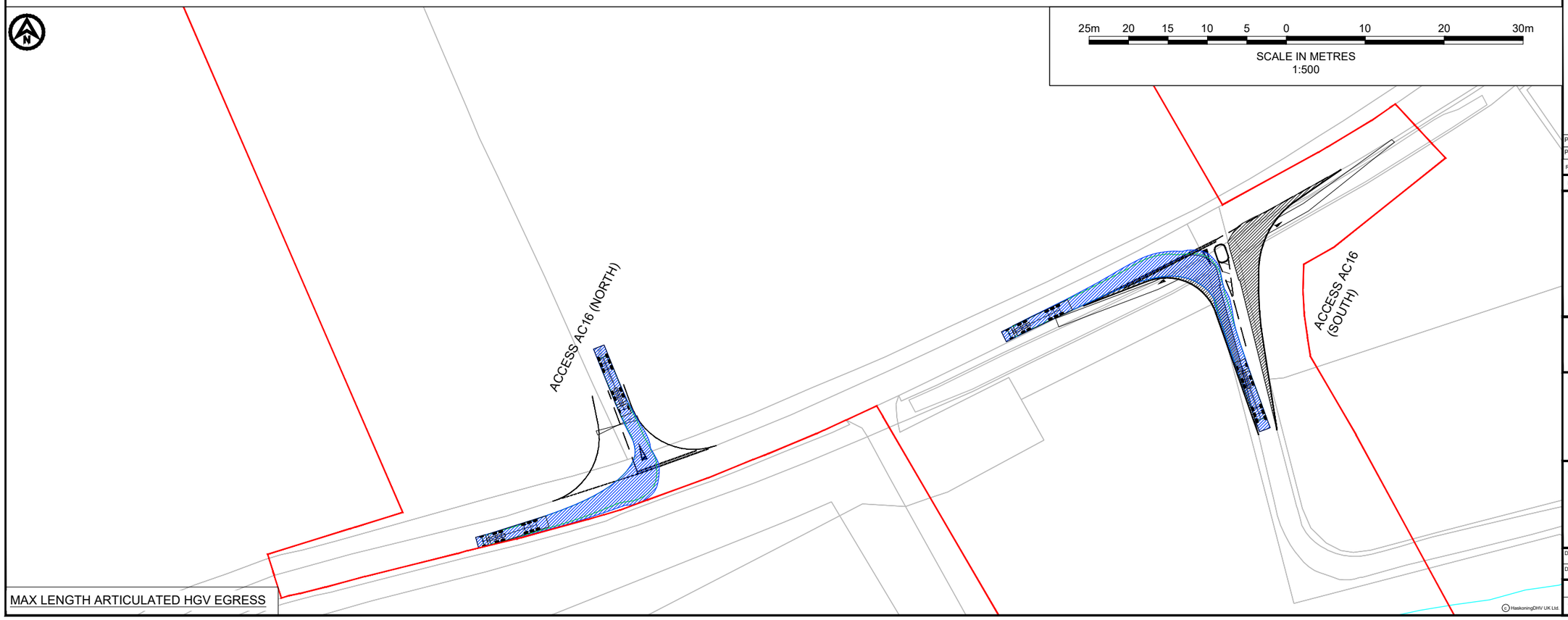
PC2340-RHD-ZZ-ZZ-DR-R-0146



25m 20 15 10 5 0 10 20 30m

SCALE IN METRES
1:500

MAX LENGTH ARTICULATED HGV INGRESS



25m 20 15 10 5 0 10 20 30m

SCALE IN METRES
1:500

MAX LENGTH ARTICULATED HGV EGRESS

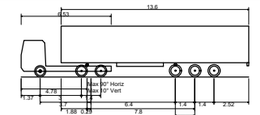
NOTES

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KEY

- EXISTING ARRANGEMENT
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- ONSHORE CABLE CORRIDOR
- PROPOSED GATE

VEHICLE TRACKING



Max Legal Length (UK) Articulated Vehicle (16.5m)

Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	23.07.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC16 (NORTH & SOUTH)
SWEPT PATH ANALYSIS

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 585605
www.royalhaskoningdhv.com

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AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
23.07.23	1:500	

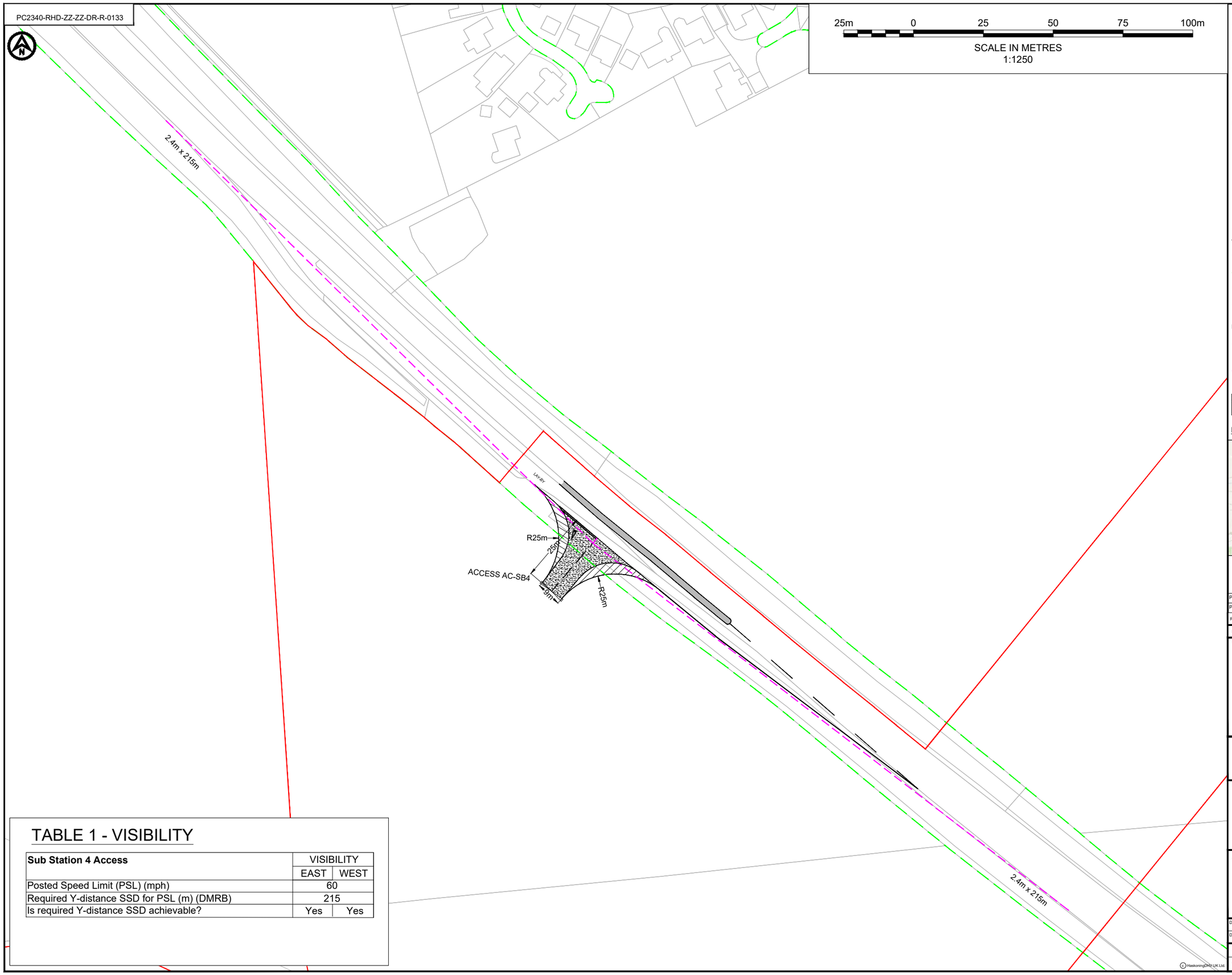
DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0146

REVISION P02

CLIENT DWG No.

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PC2340-RHD-ZZ-ZZ-DR-R-0133



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4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.

KEY

- EXISTING ARRANGEMENT
- HIGHWAY BOUNDARY
- ONSHORE CABLE CORRIDOR
- SUBSTATION ZONE C
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE

LOCATION PLAN

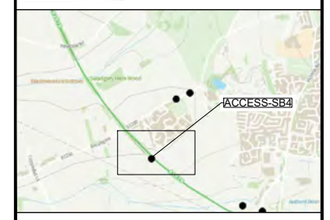


TABLE 1 - VISIBILITY

Sub Station 4 Access	VISIBILITY	
	EAST	WEST
Posted Speed Limit (PSL) (mph)	60	
Required Y-distance SSD for PSL (m) (DMRB)	215	
Is required Y-distance SSD achievable?	Yes	Yes

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC-SB4
GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 569569
www.royalhaskoningdhv.com

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AA	SKT	SKT
DATE: 19.06.23	SCALE: 1:1250	AUTOCAD REF.

DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0133 — REVISION P02

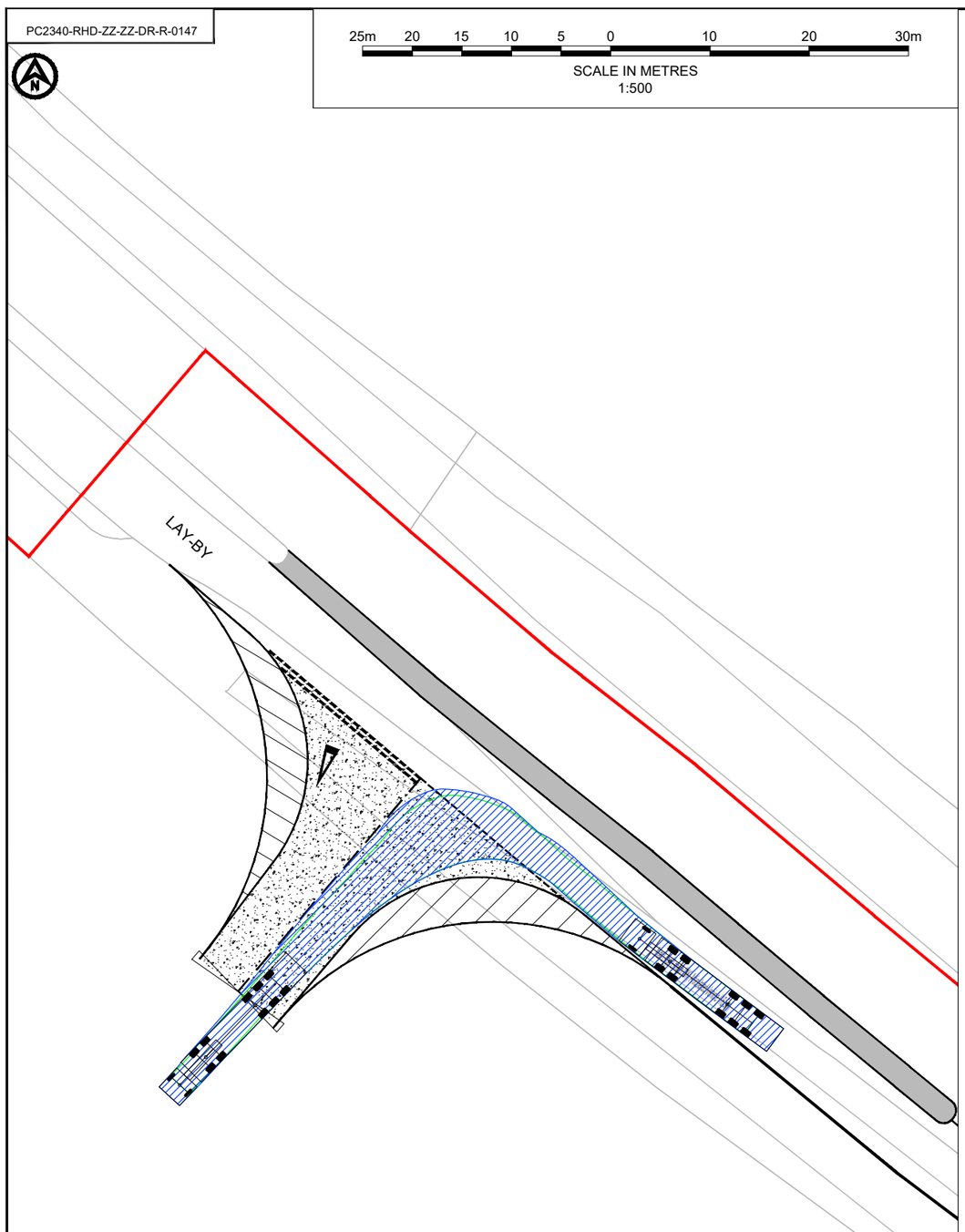
CLIENT DWG No.

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PC2340-RHD-ZZ-ZZ-DR-R-0147

25m 20 15 10 5 0 10 20 30m

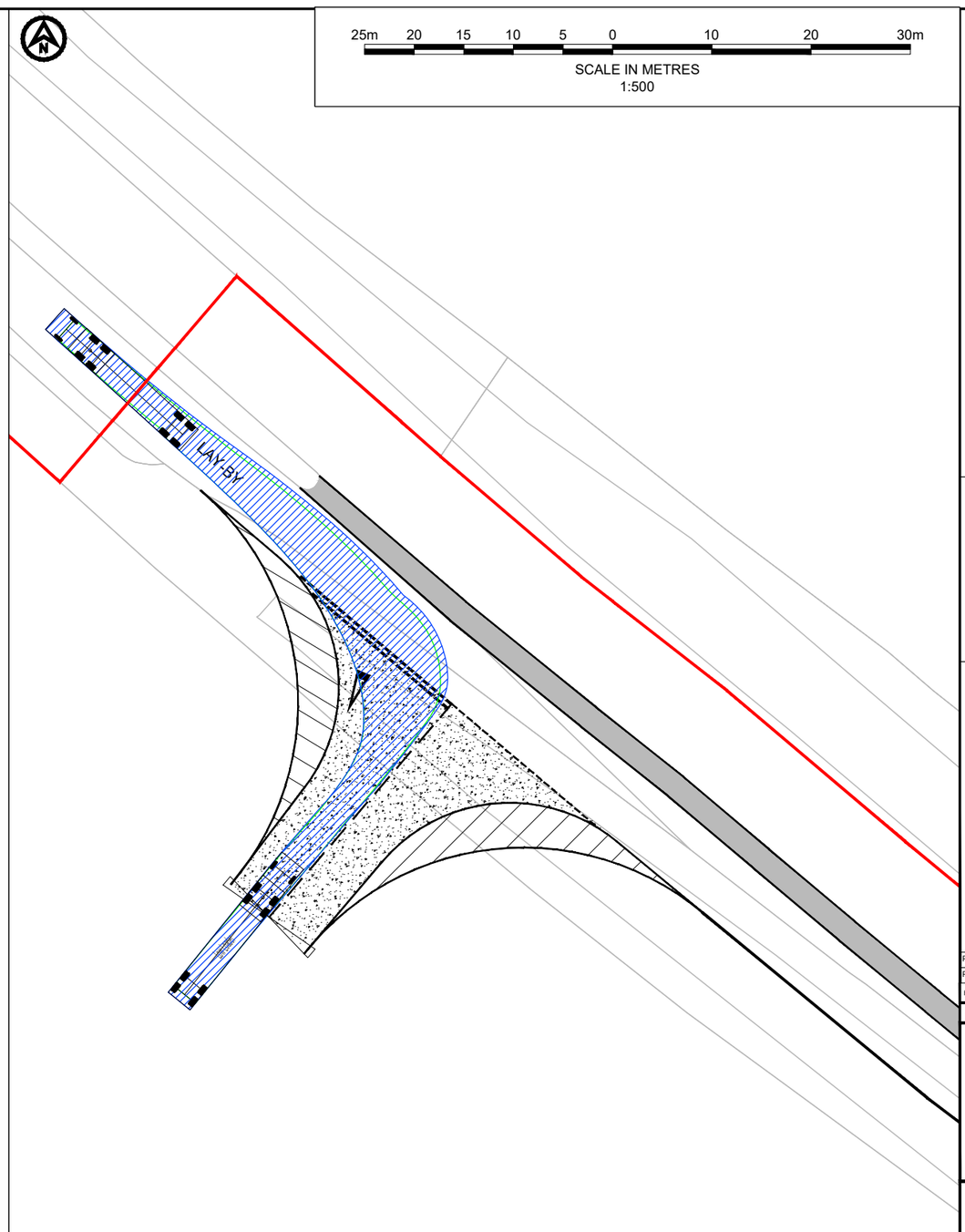
SCALE IN METRES
1:500



MAX LENGTH ARTICULATED HGV INGRESS

25m 20 15 10 5 0 10 20 30m

SCALE IN METRES
1:500



MAX LENGTH ARTICULATED HGV EGRESS

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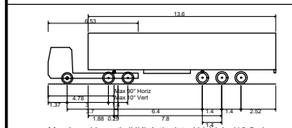
NOTES

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KEY

- EXISTING ARRANGEMENT
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- ONSHORE CABLE CORRIDOR
- PROPOSED GATE

VEHICLE TRACKING



Max Legal Length (UK) Articulated Vehicle (16.5m)	
Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	23.07.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC-SB4
SWEPT PATH ANALYSIS

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 569566
www.royalhaskoningdhv.com

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AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
23.07.23	1:500	

DRAWING No.	REVISION
PC2340-RHD-ZZ-ZZ-DR-R-0147	P02

CLIENT DWG No.

PC2340-RHD-ZZ-ZZ-DR-R-0162

25m 20 15 10 5 0 10 20 30m

SCALE IN METRES
1:500

ACCESS AC18

R10m

R24m

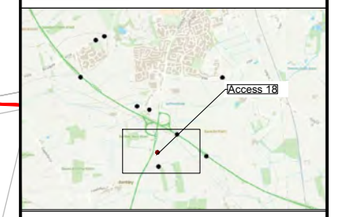
NOTES

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3. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- CARRIAGEWAY WIDENING - FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE

LOCATION PLAN



REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	08.09.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC18
GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 569566
www.royalhaskoningdhv.com

Royal HaskoningDHV
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DRAWN	CHECKED	APPROVED
AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
08.09.23	1:500	

DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0162 REVISION P02

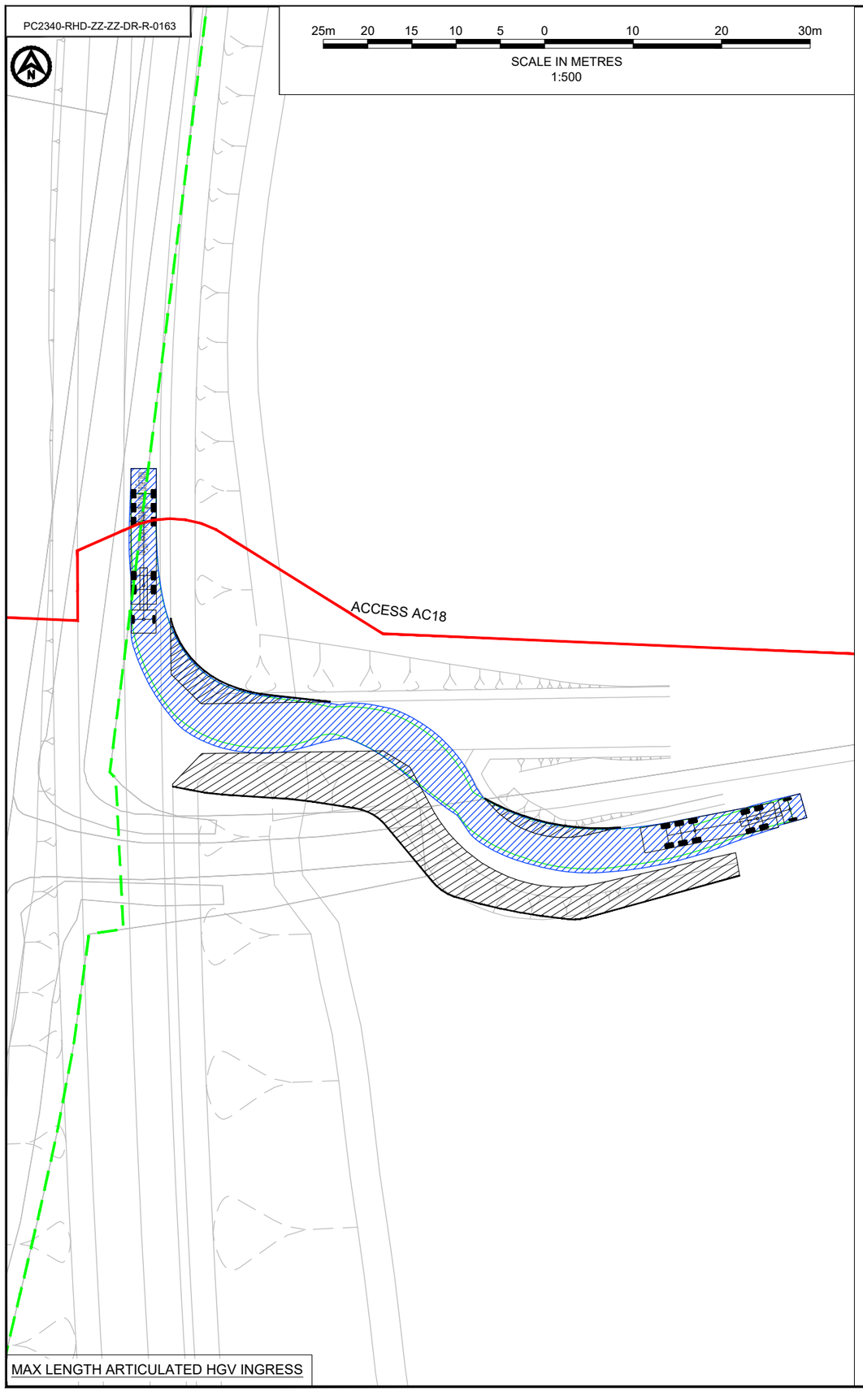
CLIENT DWG No.

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PC2340-RHD-ZZ-ZZ-DR-R-0163

25m 20 15 10 5 0 10 20 30m

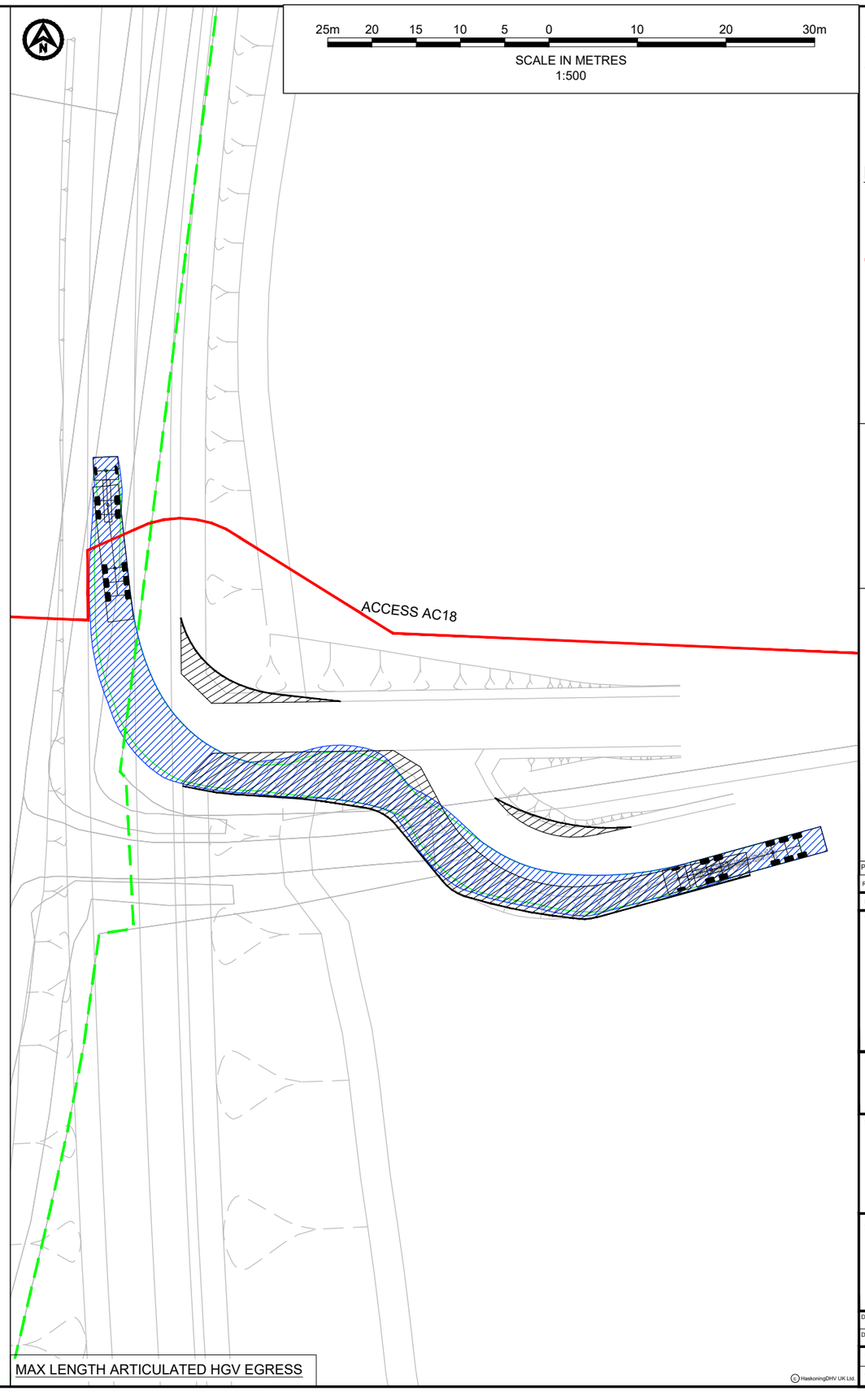
SCALE IN METRES
1:500



MAX LENGTH ARTICULATED HGV INGRESS

25m 20 15 10 5 0 10 20 30m

SCALE IN METRES
1:500



MAX LENGTH ARTICULATED HGV EGRESS

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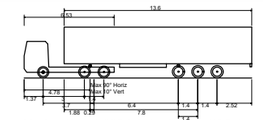
NOTES

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2. This drawing has been based upon Ordnance Survey Maps and Royal HaskoningDHV can not guarantee the accuracy of data.

KEY

- EXISTING ARRANGEMENT
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- ONSHORE CABLE CORRIDOR
- CARRIAGEWAY WIDENING - FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE

VEHICLE TRACKING



Max Legal Length (UK) Articulated Vehicle (16.5m)

Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

REV	DATE	DESCRIPTION	BY	CHK	APP
P01	01.10.24	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC18
SWEPT PATH ANALYSIS

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 569568
www.royalhaskoningdhv.com

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AA	SKT	SKT

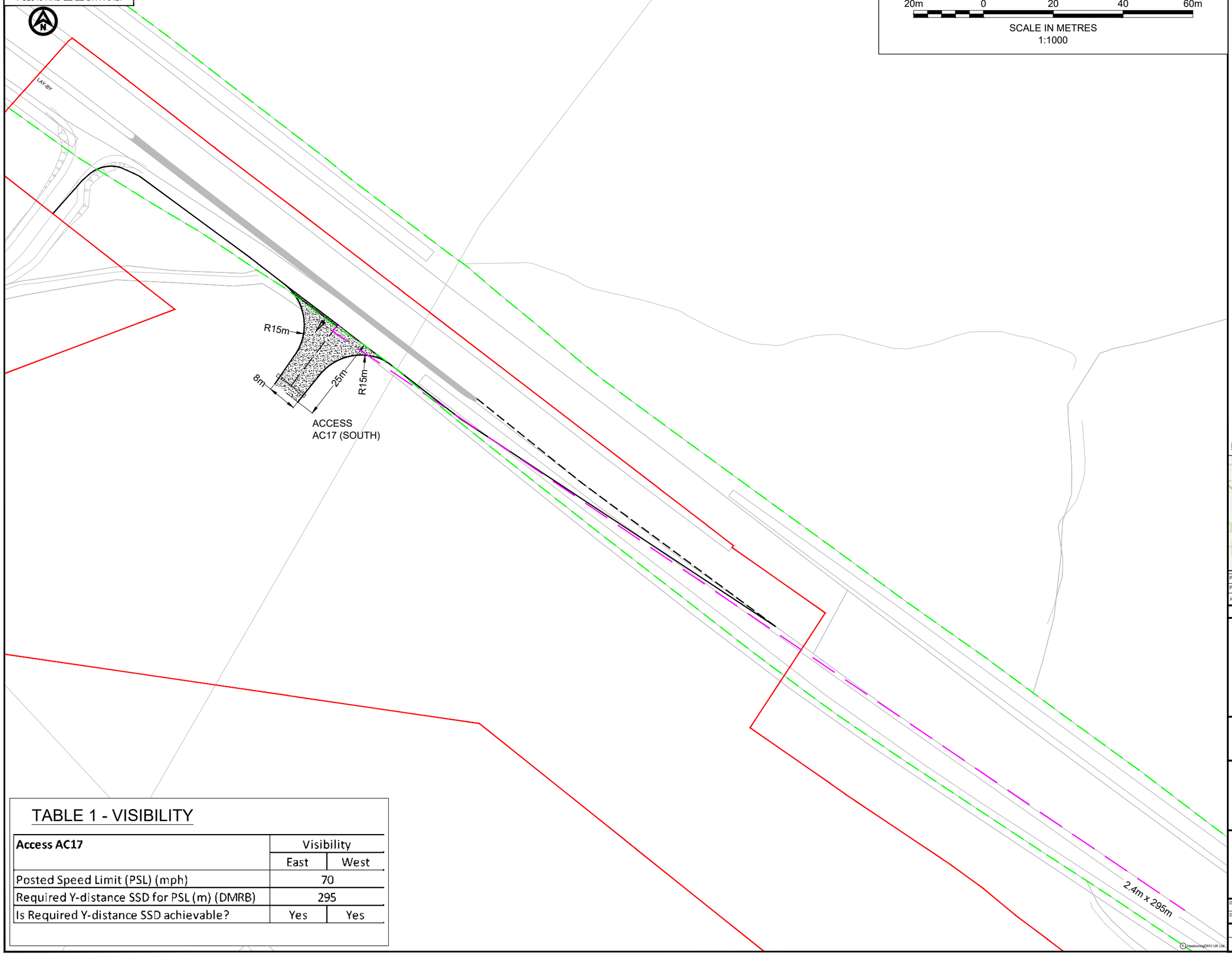
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DRAWING No.	REVISION
PC2340-RHD-ZZ-ZZ-DR-R-0163	P01
CLIENT DWG No.	

PC2340-RHD-ZZ-ZZ-DR-R-0127

20m 0 20 40 60m

SCALE IN METRES
1:1000



NOTES

1. Do not scale from this drawing. all dimensions are in metres unless noted otherwise.
2. This drawing has been based upon Ordnance Survey Maps and Royal HaskoningDHV can not guarentee the accuracy of data.
3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.

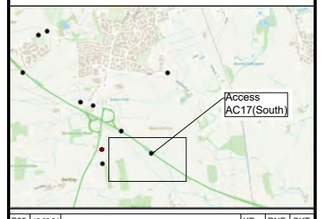
KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE

TABLE 1 - VISIBILITY

Access AC17	Visibility	
	East	West
Posted Speed Limit (PSL) (mph)	70	
Required Y-distance SSD for PSL (m) (DMRB)	295	
Is Required Y-distance SSD achievable?	Yes	Yes

LOCATION PLAN



REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC17 (SOUTH)
GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 569566
www.royalhaskoningdhv.com

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AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
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DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0127 REVISION P02

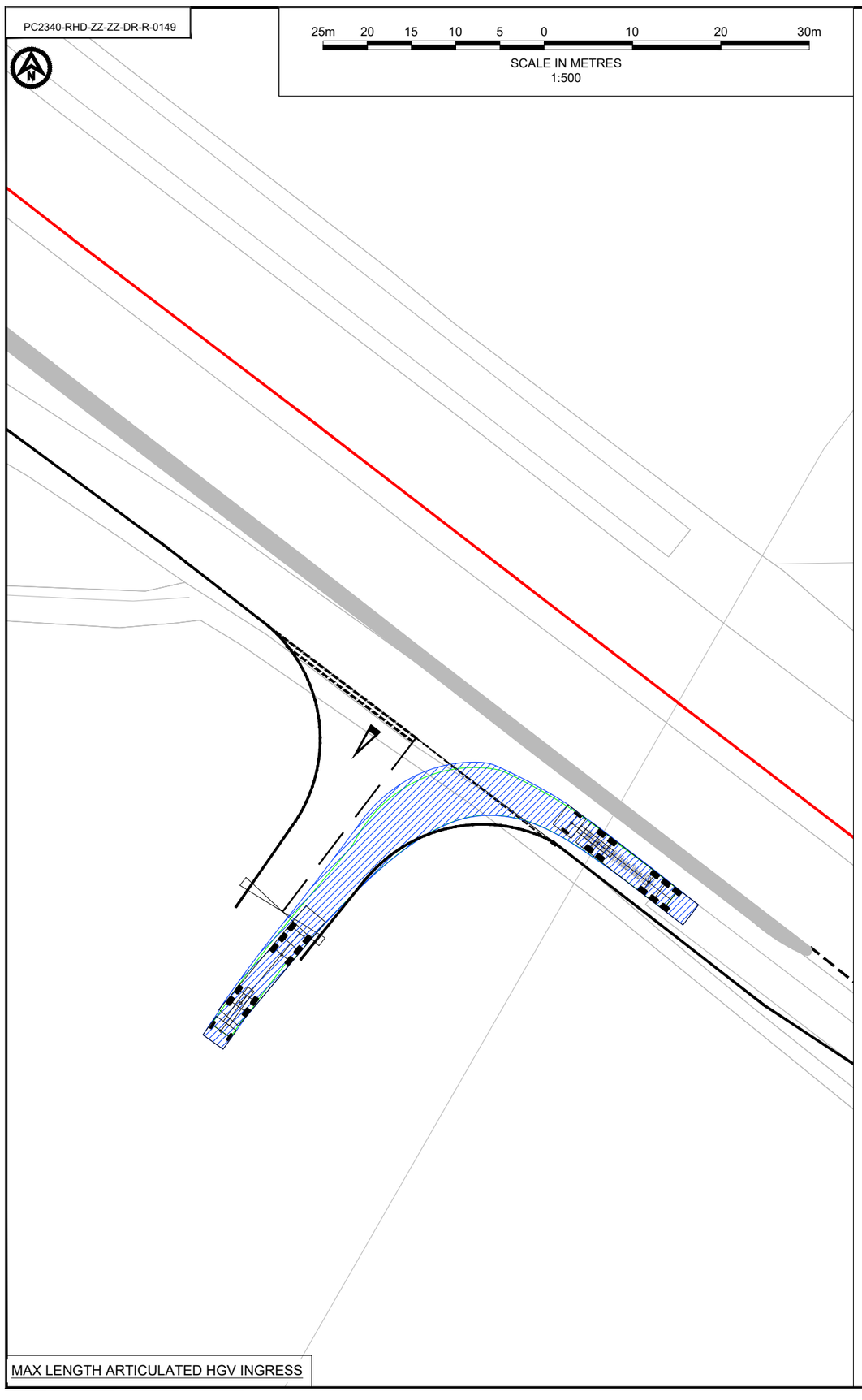
CLIENT DWG No.

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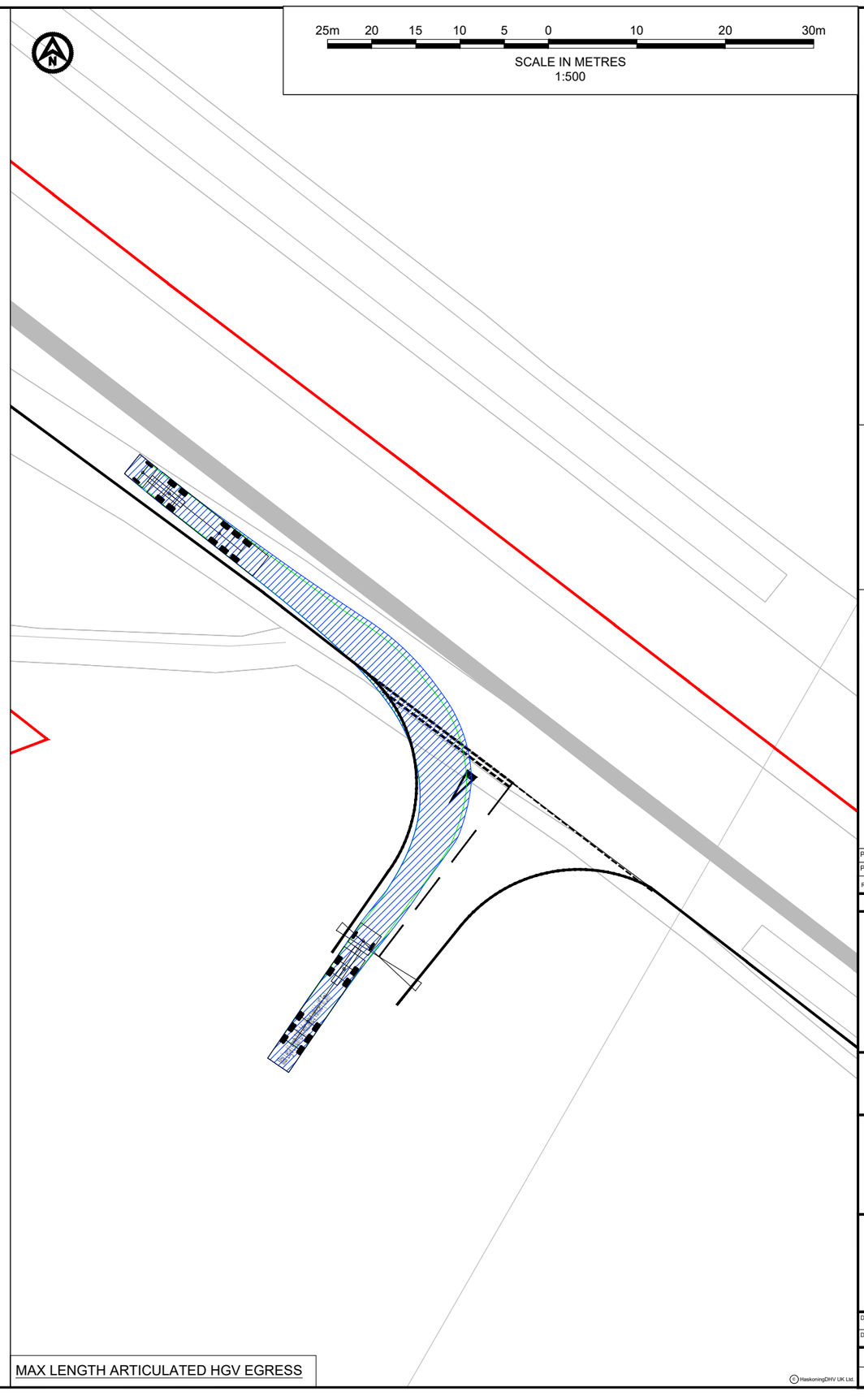
PC2340-RHD-ZZ-ZZ-DR-R-0149

25m 20 15 10 5 0 10 20 30m

SCALE IN METRES
1:500



MAX LENGTH ARTICULATED HGV INGRESS



MAX LENGTH ARTICULATED HGV EGRESS

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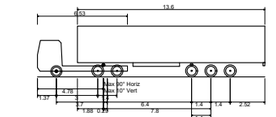
NOTES

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KEY

- EXISTING ARRANGEMENT
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- ONSHORE CABLE CORRIDOR
- PROPOSED GATE

VEHICLE TRACKING



Max Legal Length (UK) Articulated Vehicle (16.5m)

Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	23.07.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC17 (SOUTH)
SWEPT PATH ANALYSIS

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 569566
www.royalhaskoningdhv.com

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AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
23.07.23	1:500	

DRAWING No.	REVISION
PC2340-RHD-ZZ-ZZ-DR-R-0149	P02

CLIENT DWG No.

PC2340-RHD-ZZ-ZZ-DR-R-0134

20m 0 20 40 60m

SCALE IN METRES
1:1000

R12m

R16m

ACCESS AC17 (WEST)

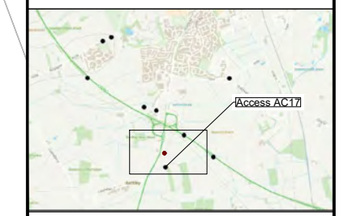
NOTES

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2. This drawing has been based upon Ordnance Survey Maps and Royal HaskoningDHV can not guarentee the accuracy of data.
3. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- CARRIAGEWAY WIDENING - FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE

LOCATION PLAN



REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	04.07.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC17 (WEST)
GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 569566
www.royalhaskoningdhv.com

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AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
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DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0134

REVISION P02

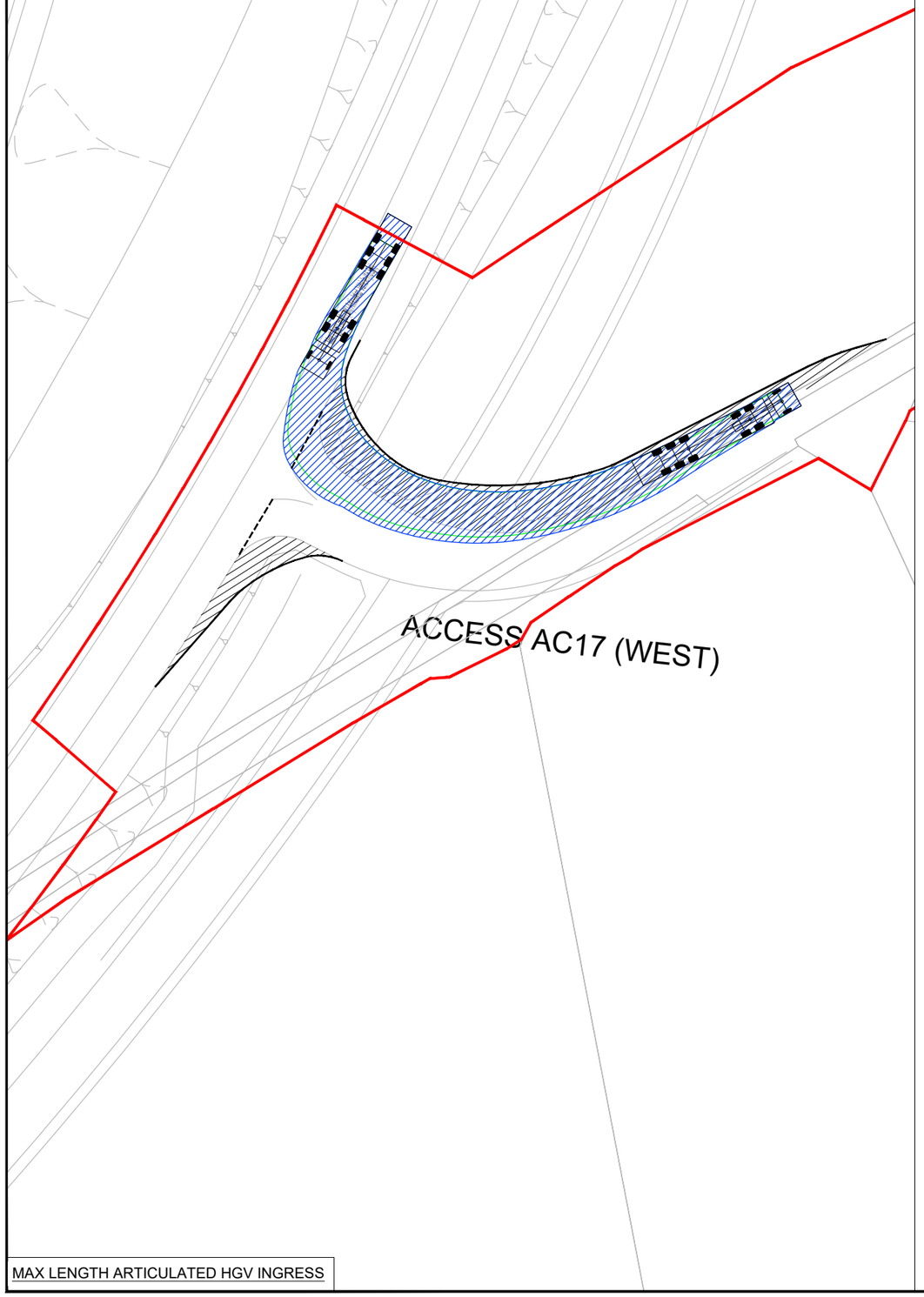
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PC2340-RHD-ZZ-ZZ-DR-R-0150

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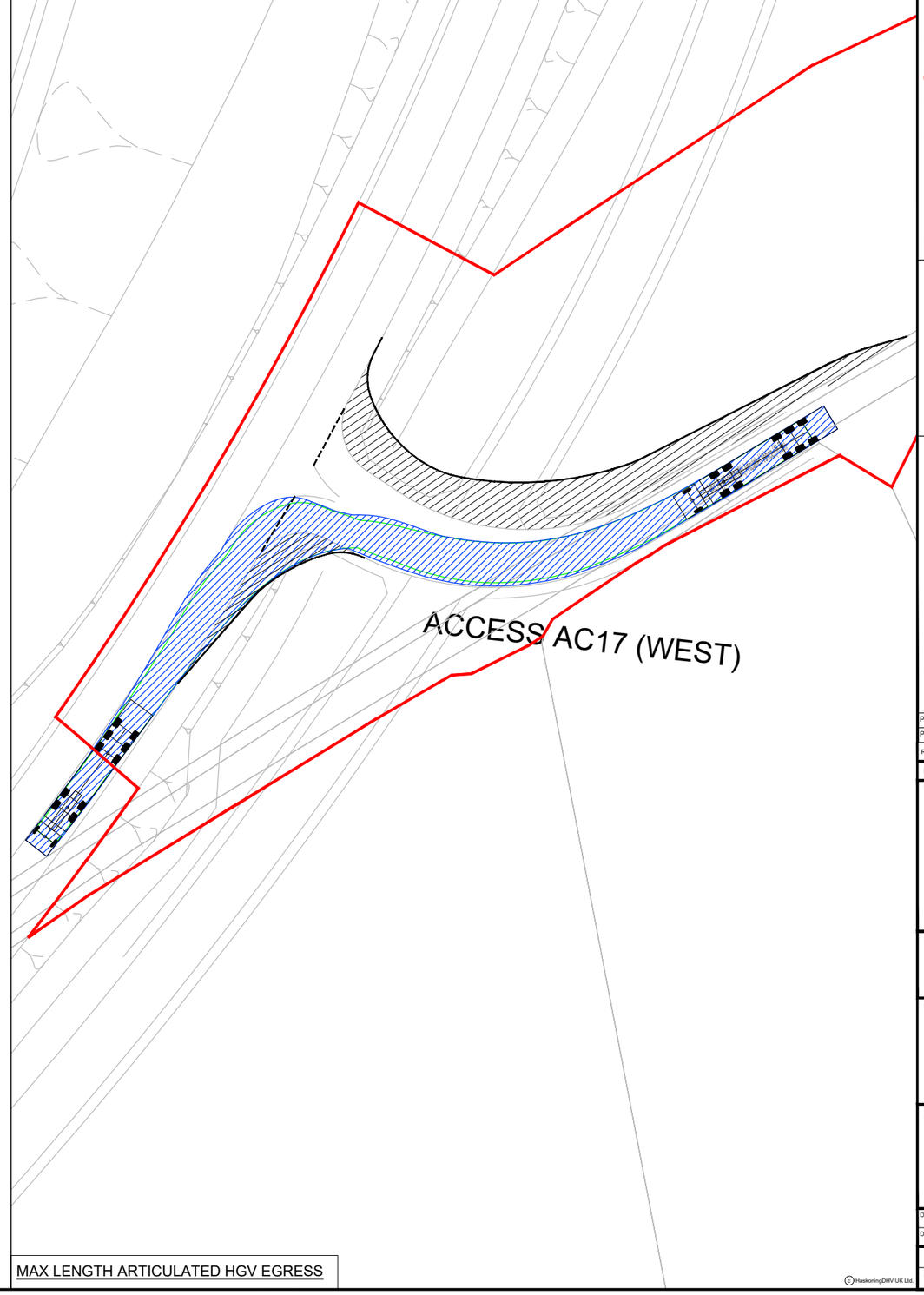
SCALE IN METRES
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MAX LENGTH ARTICULATED HGV INGRESS

25m 20 15 10 5 0 10 20 30m

SCALE IN METRES
1:500



MAX LENGTH ARTICULATED HGV EGRESS

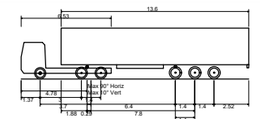
NOTES

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KEY

- EXISTING ARRANGEMENT
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- ONSHORE CABLE CORRIDOR
- CARRIAGEWAY WIDENING - FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE

VEHICLE TRACKING



Max Legal Length (UK) Articulated Vehicle (16.5m)	
Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	23.07.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

ACCESS AC17 (WEST)
SWEPT PATH ANALYSIS

Westpoint, Peterborough Business Park,
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1932 569566
www.royalhaskoningdhv.com

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AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
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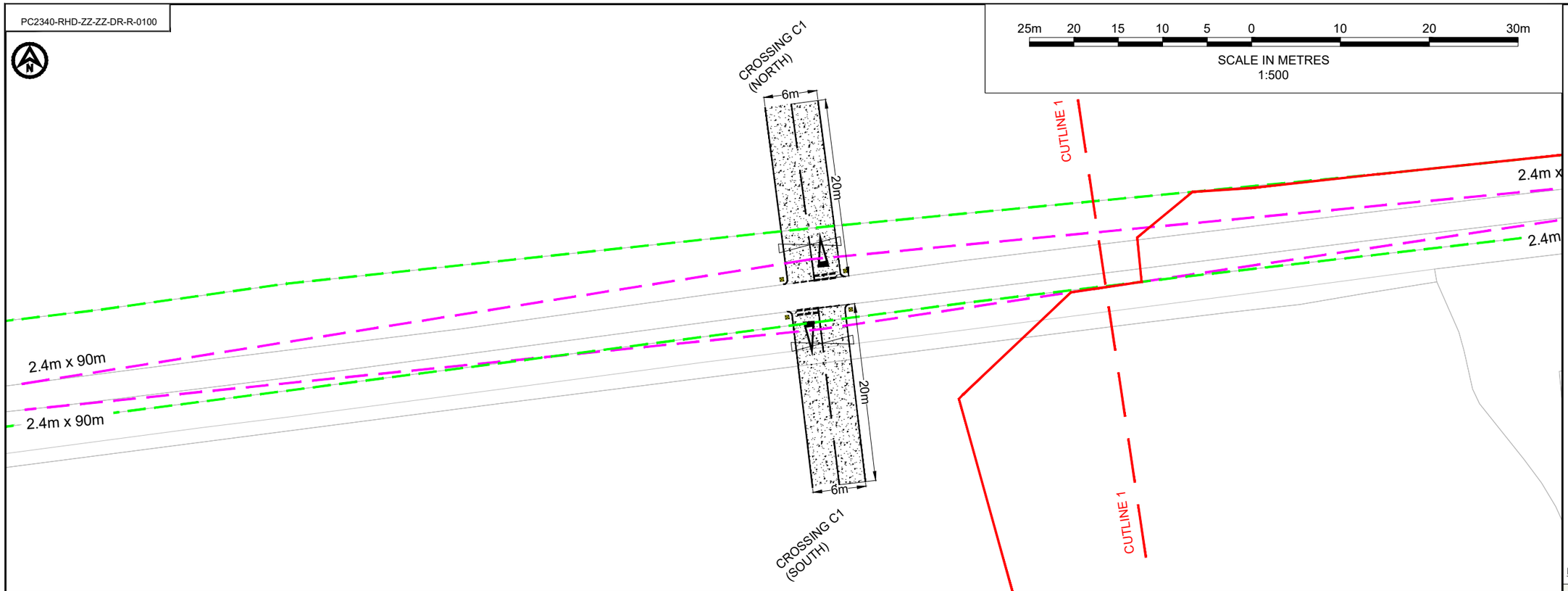
DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0150

REVISION P02

CLIENT DWG No.

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PC2340-RHD-ZZ-ZZ-DR-R-0100



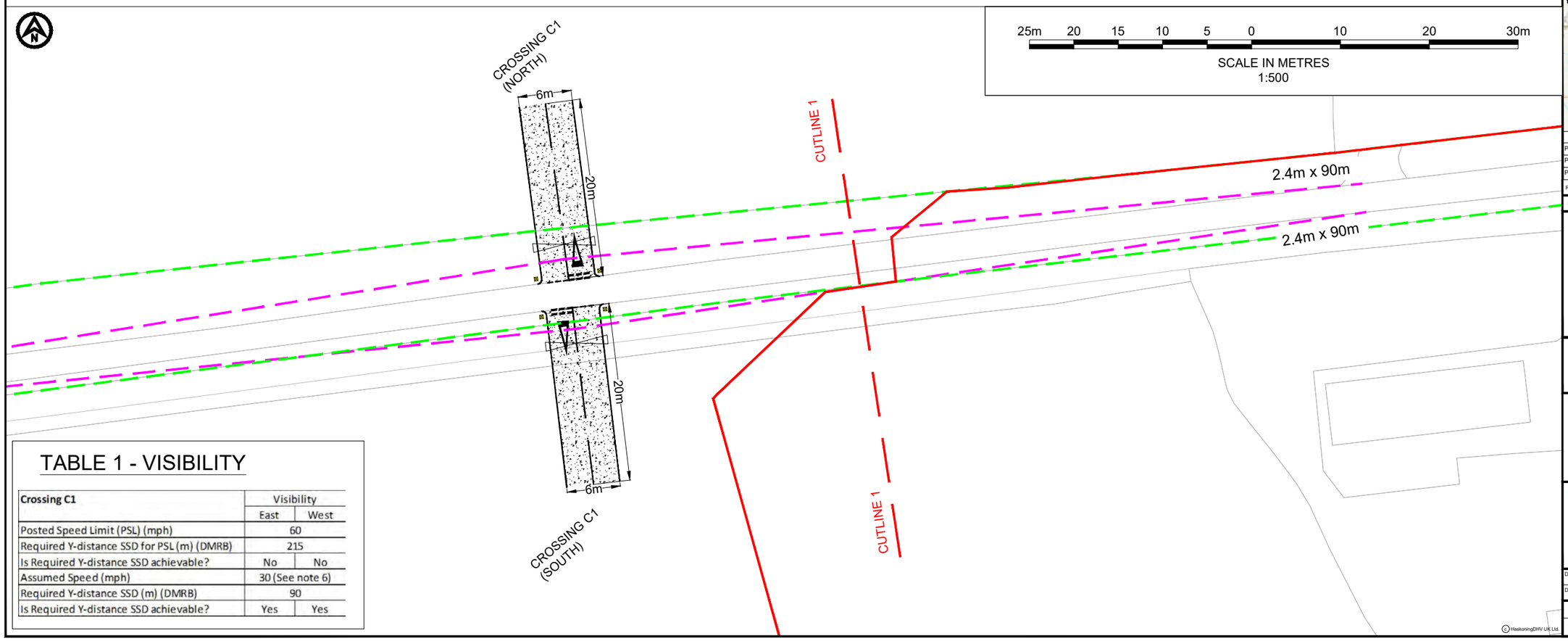


TABLE 1 - VISIBILITY

Crossing C1	Visibility	
	East	West
Posted Speed Limit (PSL) (mph)	60	
Required Y-distance SSD for PSL (m) (DMRB)	215	
Is Required Y-distance SSD achievable?	No	No
Assumed Speed (mph)	30 (See note 6)	
Required Y-distance SSD (m) (DMRB)	90	
Is Required Y-distance SSD achievable?	Yes	Yes

NOTES

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3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.
6. Reduced speed limit has been taken into account considering the geometry of the existing road.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE
- PROPOSED YELLOW DEMARCATION BOLLARD

LOCATION PLAN



REV	DATE	DESCRIPTION	BY	CHK	APP
P03	30.09.24	UPDATED VIEWPORTS AND NORTH ARROW	AA	SKT	SKT
P02	19.03.24	SECOND ISSUE	KP	RNE	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH OFFSHORE WIND FARMS

TITLE

CROSSING C1 (NORTH & SOUTH) GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park, Lynch Wood, Peterborough PE2 6FZ
Tel +44(0)1932 569568
www.royalhaskoningdhv.com
Royal HaskoningDHV
Enhancing Society Together

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AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
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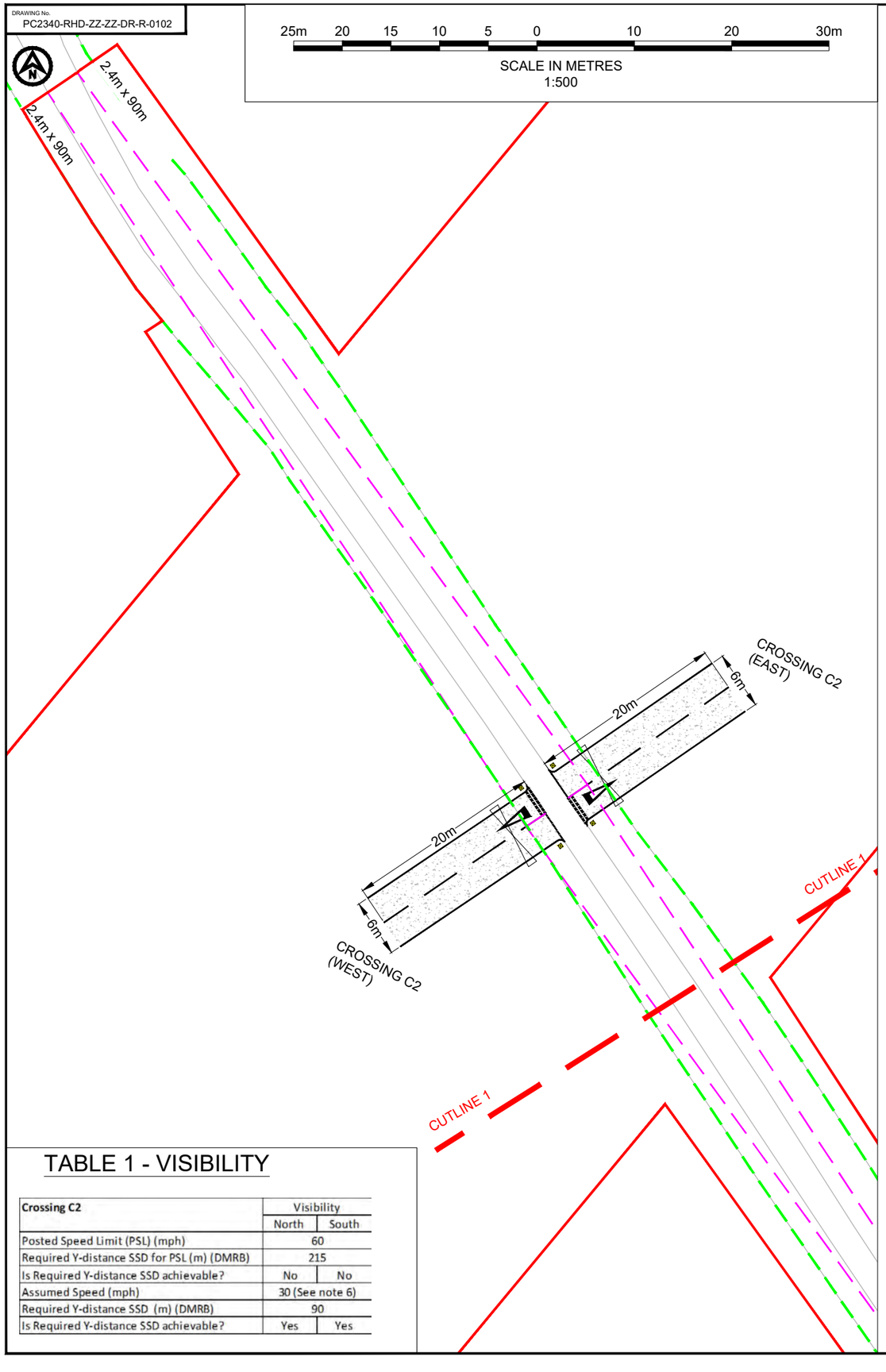
DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0100 — REVISION P03

CLIENT DWG No.

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DRAWING No.
PC2340-RHD-ZZ-ZZ-DR-R-0102

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SCALE IN METRES
1:500



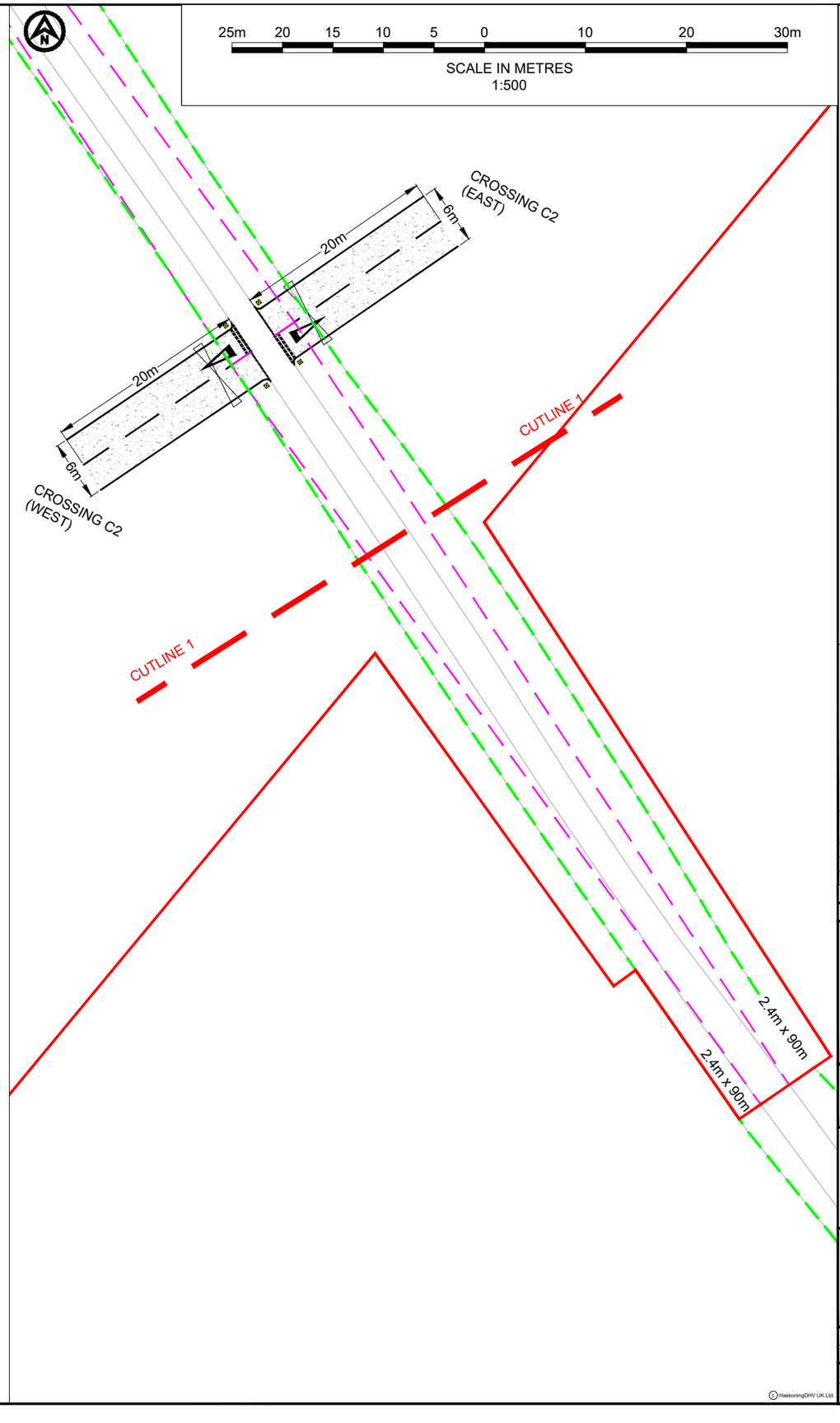


TABLE 1 - VISIBILITY

Crossing C2	Visibility	
	North	South
Posted Speed Limit (PSL) (mph)	60	
Required Y-distance SSD for PSL (m) (DMRB)	215	
Is Required Y-distance SSD achievable?	No	No
Assumed Speed (mph)	30 (See note 6)	
Required Y-distance SSD (m) (DMRB)	90	
Is Required Y-distance SSD achievable?	Yes	Yes

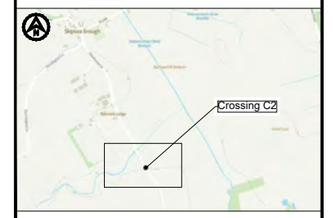
NOTES

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3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.
6. Reduced speed limit has been taken into account considering the geometry of the existing road.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE
- PROPOSED YELLOW DEMARCATION BOLLARD

LOCATION PLAN



REV	DATE	DESCRIPTION	BY	CHK	APP
P03	27.09.24	UPDATED VIEWPORTS AND NORTH ARROW	AA	SKT	SKT
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH OFFSHORE WIND FARMS

TITLE

CROSSING C2 (EAST & WEST) GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park
Lynch Wood
Peterborough PE2 6FZ
Tel +44(0)1932 595606
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Royal HaskoningDHV
Enhancing Society Together

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AA	SKT	SKT
DATE 19.06.23	SCALE 1:500	AUTOCAD REF.

DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0102 REVISION P03
CLIENT DWG No.

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DRAWING No.
PC2340-RHD-ZZ-ZZ-DR-R-0104

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SCALE IN METRES
1:500

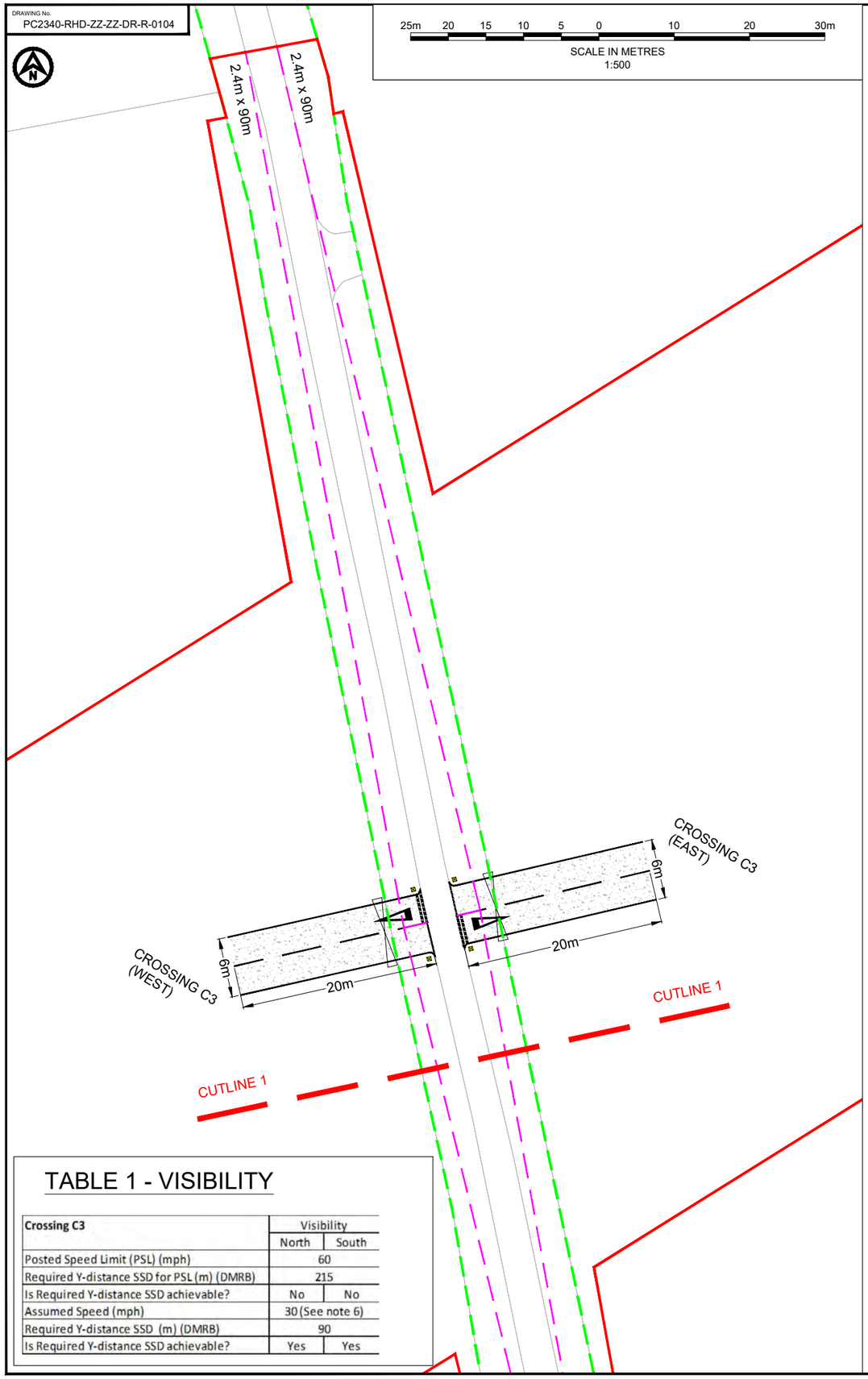
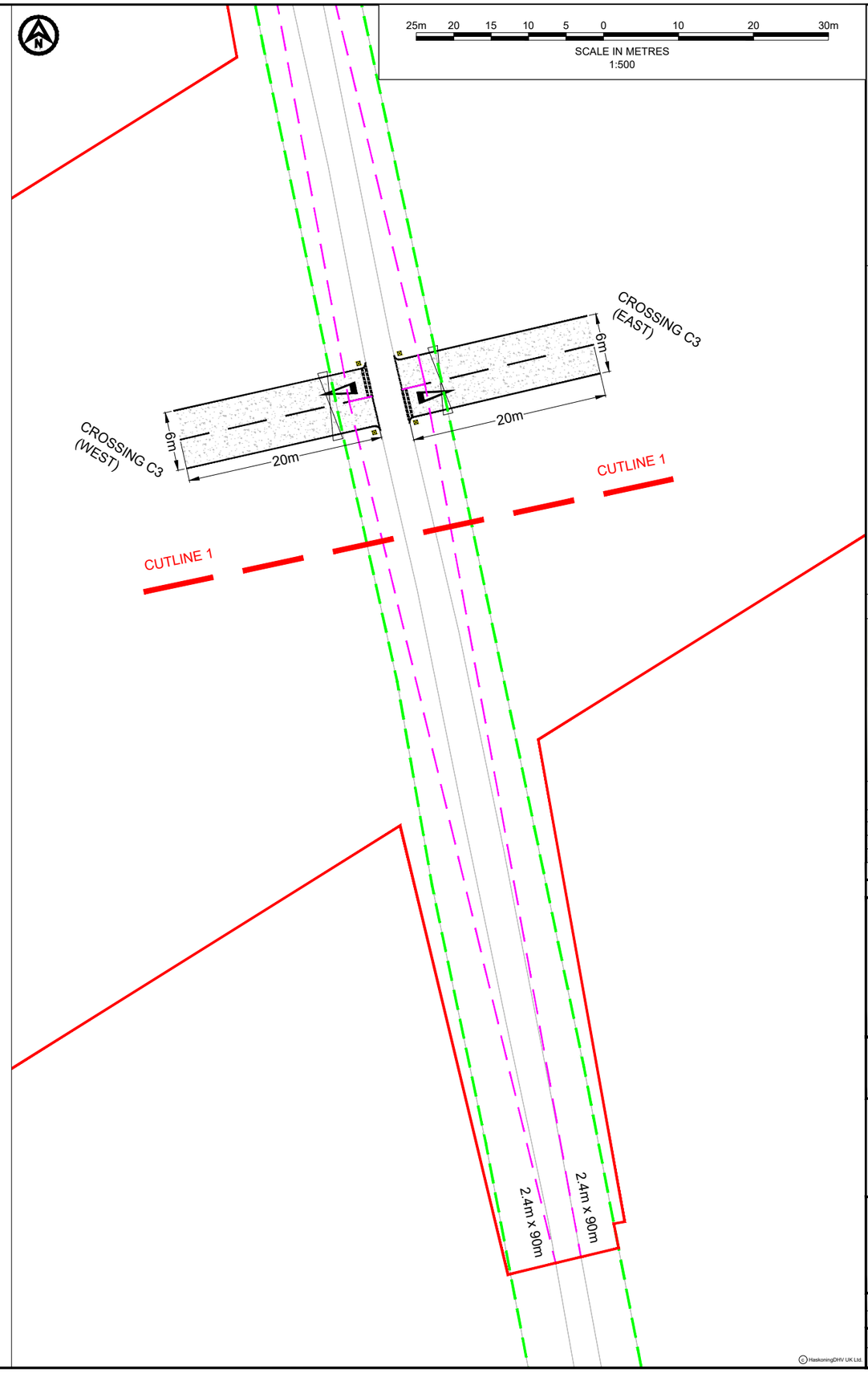


TABLE 1 - VISIBILITY

Crossing C3	Visibility	
	North	South
Posted Speed Limit (PSL) (mph)	60	
Required Y-distance SSD for PSL (m) (DMRB)	215	
Is Required Y-distance SSD achievable?	No	No
Assumed Speed (mph)	30 (See note 6)	
Required Y-distance SSD (m) (DMRB)	90	
Is Required Y-distance SSD achievable?	Yes	Yes

25m 20 15 10 5 0 10 20 30m
SCALE IN METRES
1:500



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NOTES

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3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.
6. Reduced speed limit has been taken into account considering the geometry of the existing road.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE
- PROPOSED YELLOW DEMARCATION BOLLARD

LOCATION PLAN



REV	DATE	DESCRIPTION	BY	CHK	APP
P04	27.09.24	UPDATED VIEWPORTS AND NORTH ARROW	AA	SKT	SKT
P03	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P02	08.09.23	UPDATED ACCESS LOCATION	AA	SKT	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT
DOGGER BANK SOUTH OFFSHORE WIND FARMS

TITLE
CROSSING C3 (EAST & WEST) GENERAL ARRANGEMENT

Westport, Peterborough Business Park
Lynch Wood,
Peterborough PE2 6FZ
Tel +44(0)1502 589565
www.royalhaskoningdhv.com
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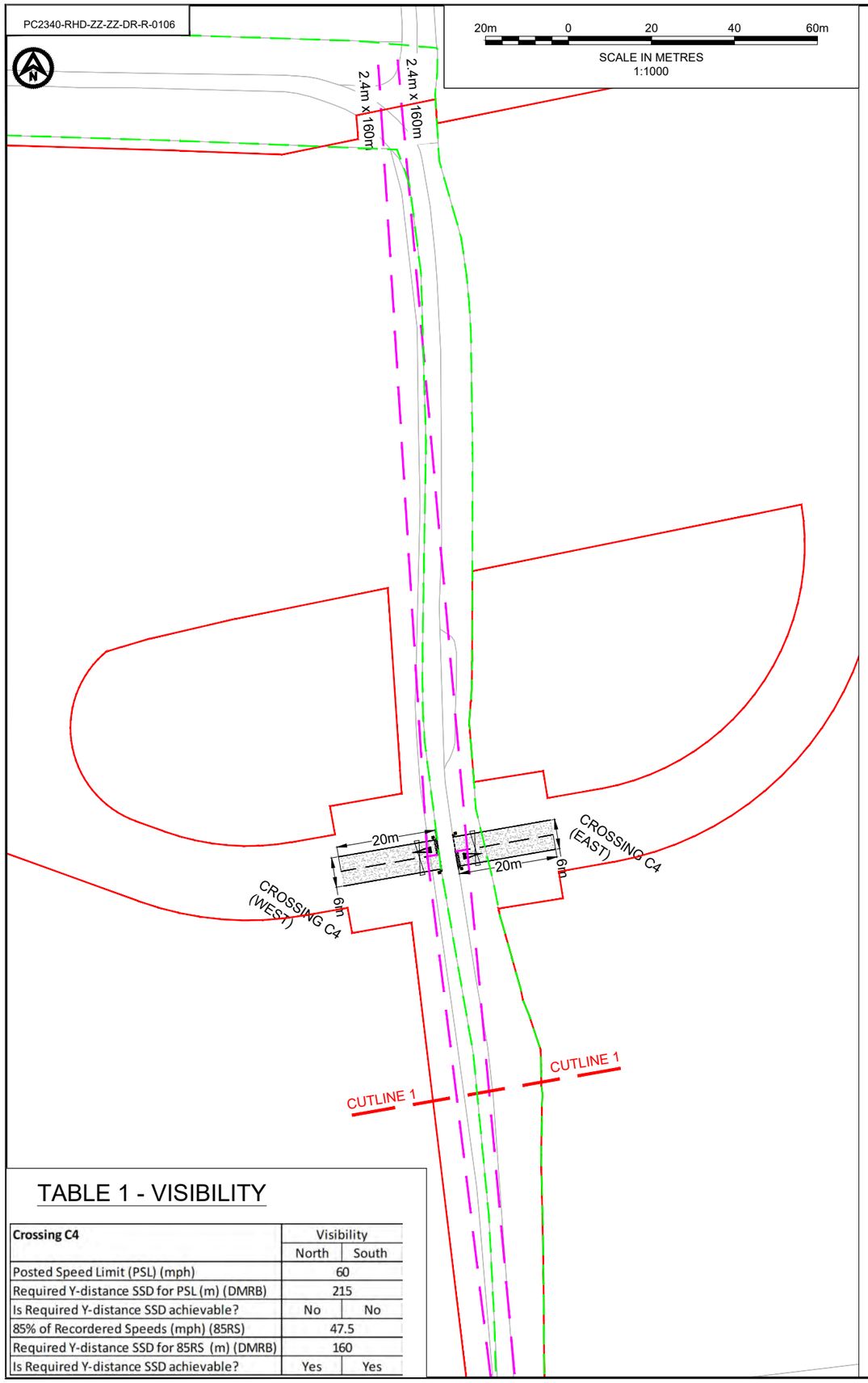
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AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
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DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0104 | REVISION P04

CLIENT DWG No.

PC2340-RHD-ZZ-ZZ-DR-R-0106



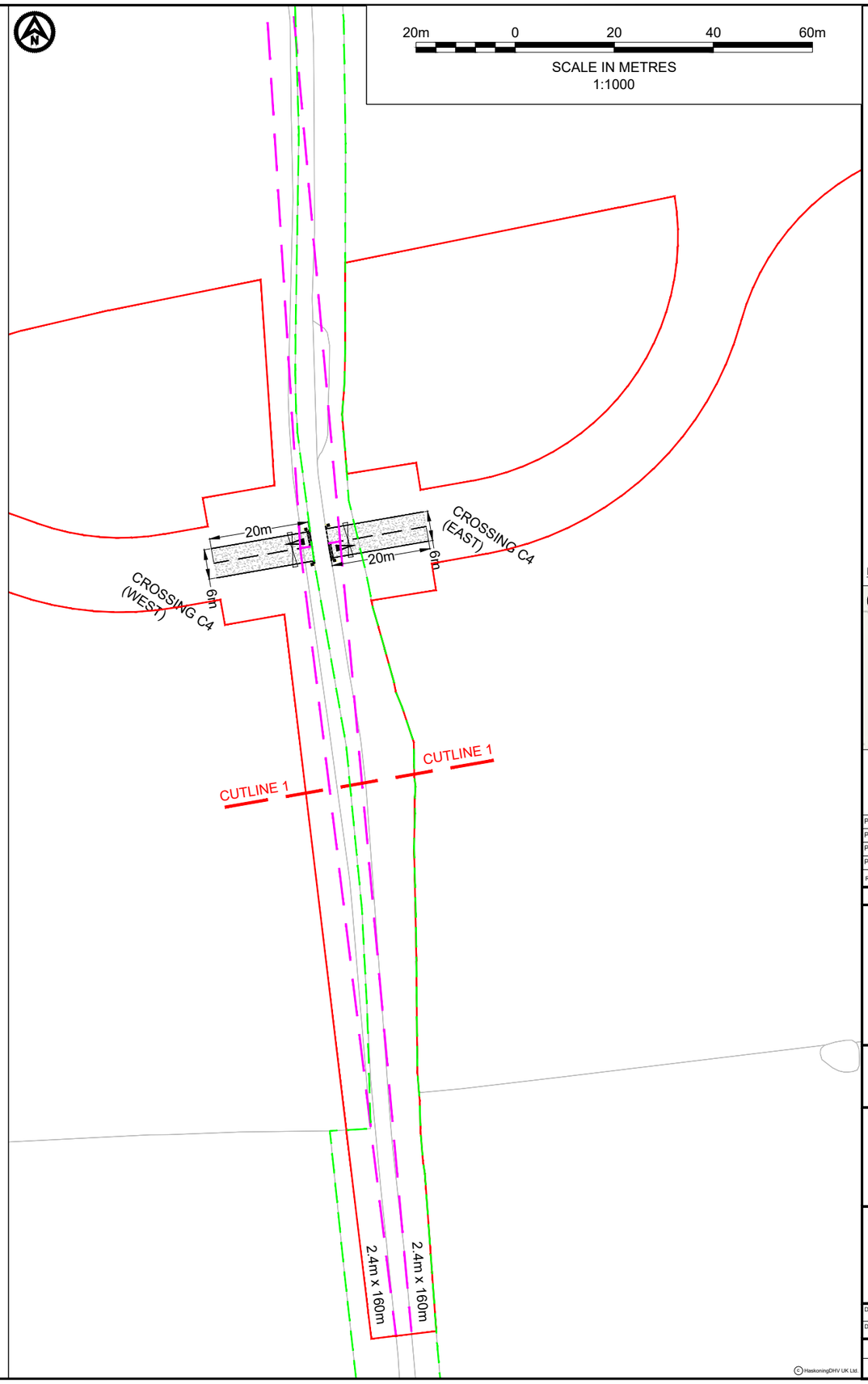


TABLE 1 - VISIBILITY

Crossing C4	Visibility	
	North	South
Posted Speed Limit (PSL) (mph)	60	
Required Y-distance SSD for PSL (m) (DMRB)	215	
Is Required Y-distance SSD achievable?	No	No
85% of Recordered Speeds (mph) (85RS)	47.5	
Required Y-distance SSD for 85RS (m) (DMRB)	160	
Is Required Y-distance SSD achievable?	Yes	Yes

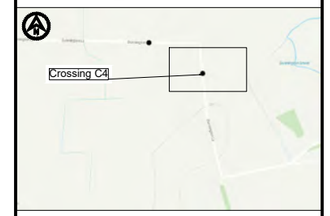
NOTES

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3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- PROPOSED GATE
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE
- PROPOSED YELLOW DEMARCATION BOLLARD

LOCATION PLAN



REV	DATE	DESCRIPTION	BY	CHK	APP
P04	29.09.24	UPDATED VIEWPORTS AND NORTH ARROW	AA	SKT	SKT
P03	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH OFFSHORE WIND FARMS

TITLE

CROSSING C4 (EAST & WEST) GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park, Lynch Wood, Peterborough PE2 6FZ
Tel +44(0)1932 569566
www.royalhaskoningdhv.com
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AA	SKT	SKT
DATE	SCALE	AUTOCAD REF.
19.06.23	1:1000	

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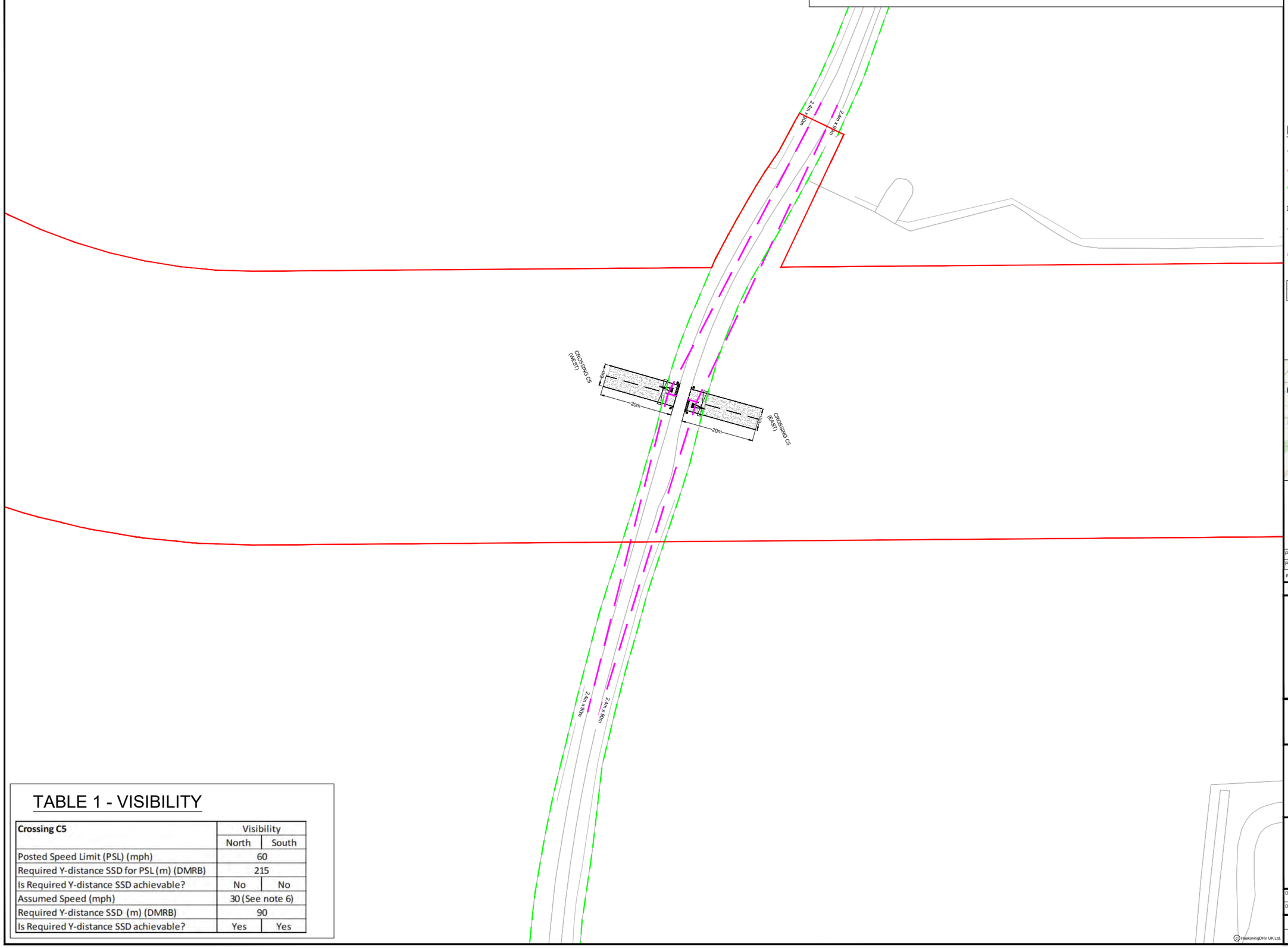
CLIENT DWG No.

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DRAWING No.
PC2340-RHD-ZZ-ZZ-DR-R-0108

25m 20 15 10 5 0 10 20 30m

SCALE IN METRES
1:500



NOTES
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2. This drawing has been based upon Ordnance Survey Maps and Royal HaskoningDHV can not guarentee the accuracy of data.
3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.
6. Reduced speed limit has been taken into account considering the geometry of the existing road.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE
- PROPOSED YELLOW DEMARCATION BOLLARD

LOCATION PLAN



TABLE 1 - VISIBILITY

Crossing C5	Visibility	
	North	South
Posted Speed Limit (PSL) (mph)	60	
Required Y-distance SSD for PSL (m) (DMRB)	215	
Is Required Y-distance SSD achievable?	No	No
Assumed Speed (mph)	30 (See note 6)	
Required Y-distance SSD (m) (DMRB)	90	
Is Required Y-distance SSD achievable?	Yes	Yes

REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT
DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE
CROSSING C5 (EAST & WEST)
GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park,
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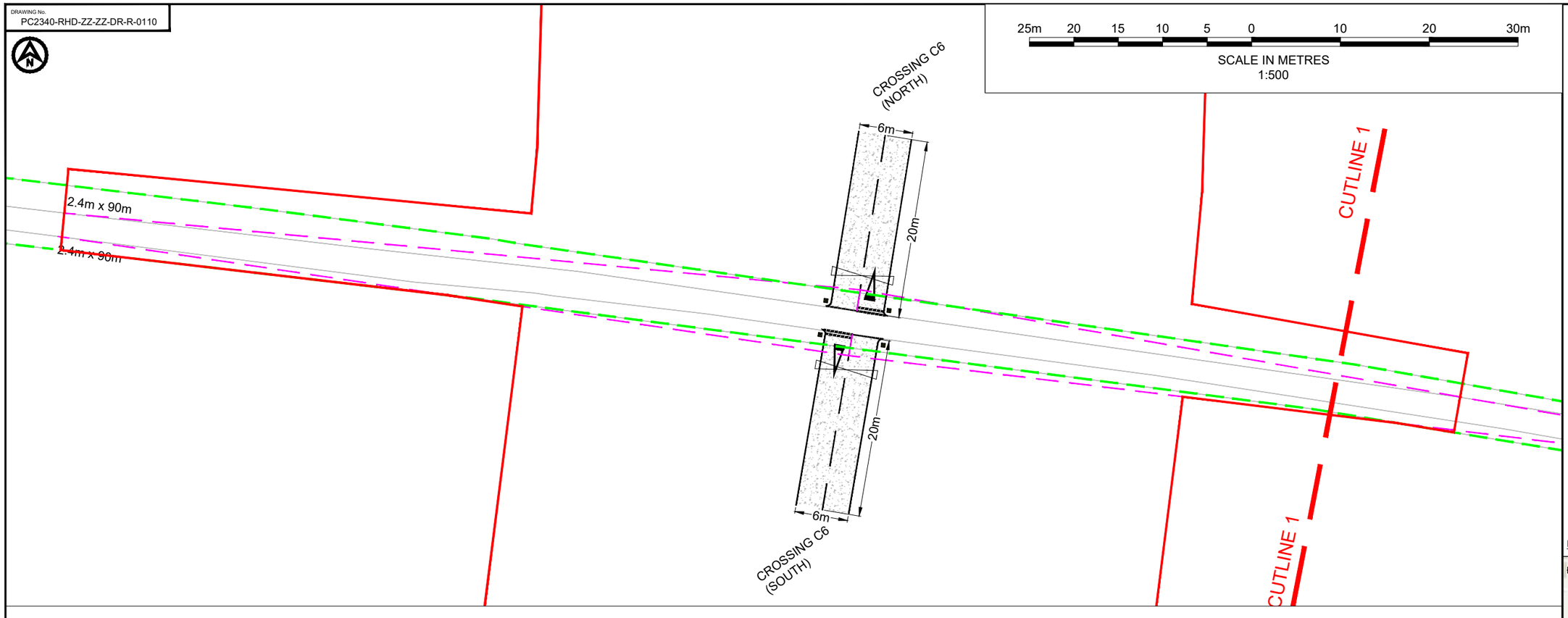
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DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0108
REVISION P02

CLIENT DWG No.

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DRAWING No.
PC2340-RHD-ZZ-ZZ-DR-R-0110



25m 20 15 10 5 0 10 20 30m

SCALE IN METRES
1:500

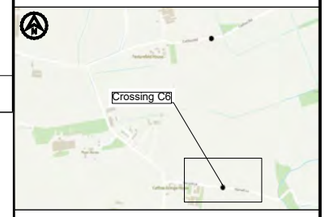
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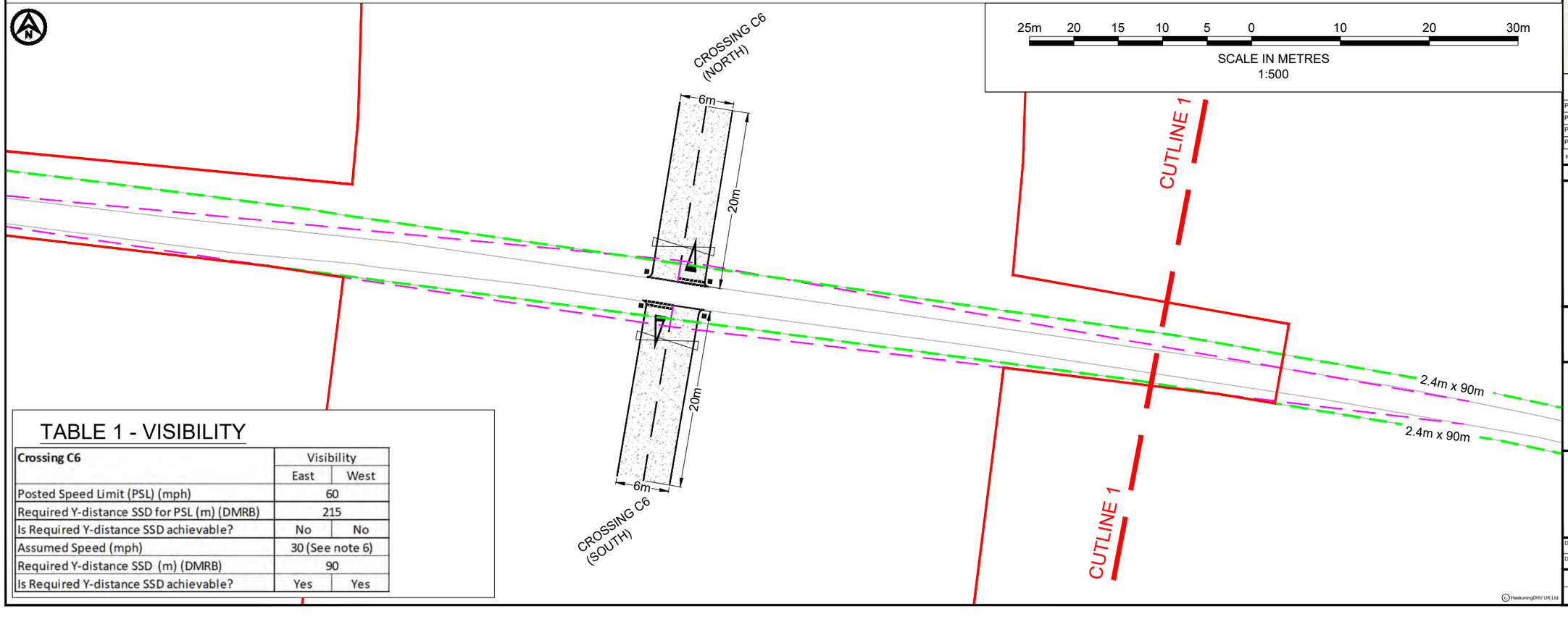
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3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.
6. Reduced speed limit has been taken into account considering the geometry of the existing road.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE
- PROPOSED YELLOW DEMARCATION BOLLARD

LOCATION PLAN





25m 20 15 10 5 0 10 20 30m

SCALE IN METRES
1:500

TABLE 1 - VISIBILITY

Crossing C6	Visibility	
	East	West
Posted Speed Limit (PSL) (mph)	60	
Required Y-distance SSD for PSL (m) (DMRB)	215	
Is Required Y-distance SSD achievable?	No	No
Assumed Speed (mph)	30 (See note 6)	
Required Y-distance SSD (m) (DMRB)	90	
Is Required Y-distance SSD achievable?	Yes	Yes

REV	DATE	DESCRIPTION	BY	CHK	APP
P04	29.09.24	UPDATED VIEWPORTS AND NORTH ARROW	AA	SKT	SKT
P03	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P02	08.09.23	UPDATED ACCESS LOCATION	AA	SKT	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

CROSSING C6 (NORTH & SOUTH)
GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park
Lynch Wood
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Tel +44(0)1932 585605
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REVISION P04

CLIENT DWG No.

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DRAWING No.
PC2340-RHD-ZZ-ZZ-DR-R-0112

20m 0 20 40 60m

SCALE IN METRES
1:1000

2.4m x 120m

2.4m x 120m

CROSSING C7
(WEST)

6m 20m 20m 6m

CROSSING C7
(EAST)

2.4m x 120m

2.4m x 120m

TABLE 1 - VISIBILITY

Crossing C7	Visibility	
	North	South
Posted Speed Limit (PSL) (mph)	60	
Required Y-distance SSD for PSL (m) (DMRB)	215	
Is Required Y-distance SSD achievable?	No	No
85% of Recordered Speeds (mph) (85RS)	42.8	
Required Y-distance SSD for 85RS (m) (DMRB)	120	
Is Required Y-distance SSD achievable?	Yes	Yes

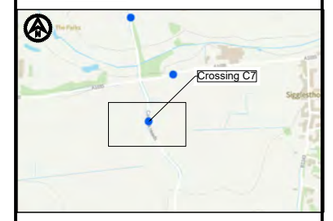
NOTES

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2. This drawing has been based upon Ordnance Survey Maps and Royal HaskoningDHV can not guarentee the accuracy of data.
3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE
- PROPOSED YELLOW DEMARCATION BOLLARD

LOCATION PLAN



REV	DATE	DESCRIPTION	BY	CHK	APP
P03	29.09.24	UPDATED VIEWPORTS AND NORTH ARROW	AA	SKT	SKT
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

CROSSING C7 (EAST & WEST)
GENERAL ARRANGEMENT

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AA	SKT	SKT
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CLIENT DWG No.

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DRAWING No.
PC2340-RHD-ZZ-ZZ-DR-R-0114

20m 0 20 40 60m

SCALE IN METRES
1:1000

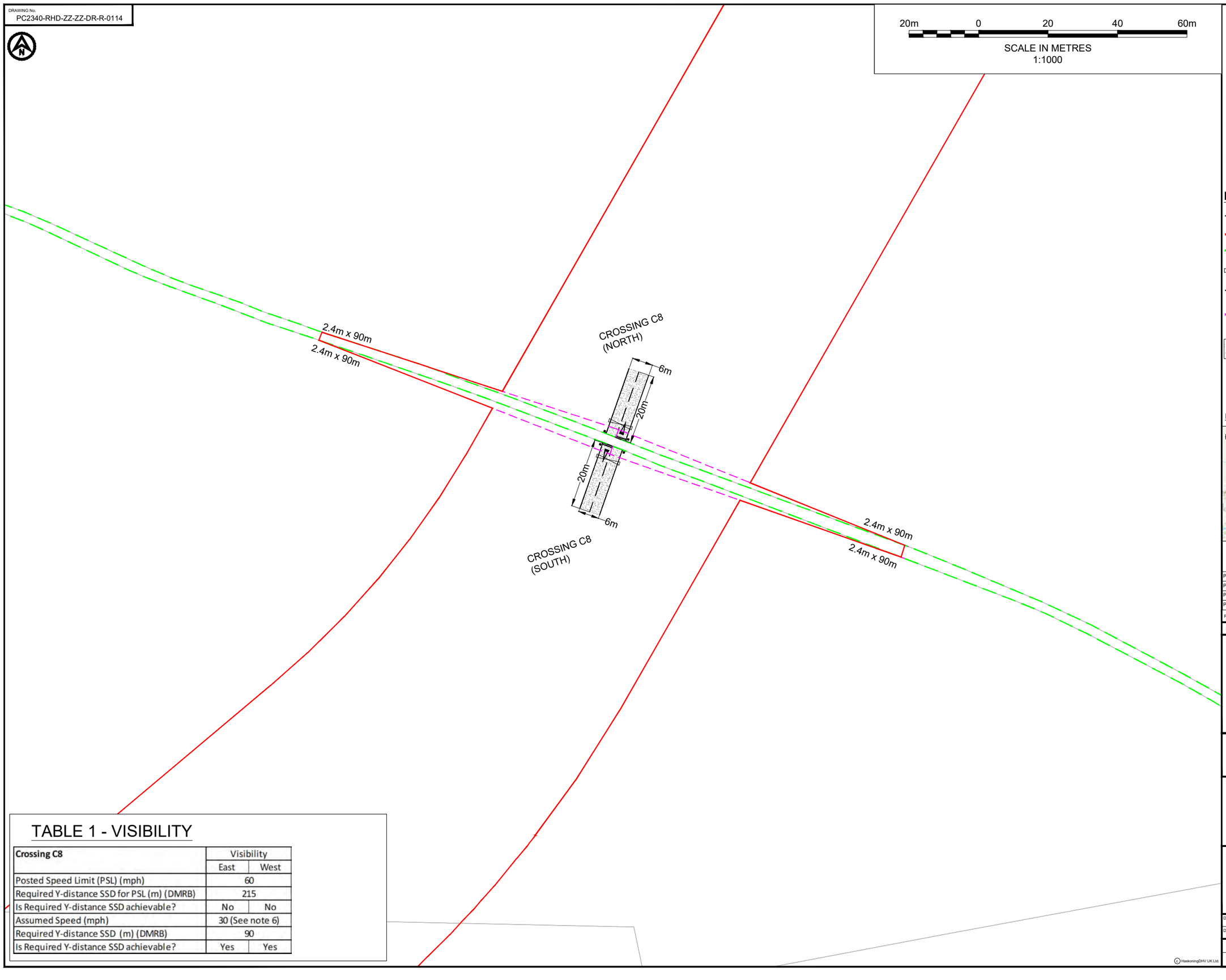


TABLE 1 - VISIBILITY

Crossing C8	Visibility	
	East	West
Posted Speed Limit (PSL) (mph)	60	
Required Y-distance SSD for PSL (m) (DMRB)	215	
Is Required Y-distance SSD achievable?	No	No
Assumed Speed (mph)	30 (See note 6)	
Required Y-distance SSD (m) (DMRB)	90	
Is Required Y-distance SSD achievable?	Yes	Yes

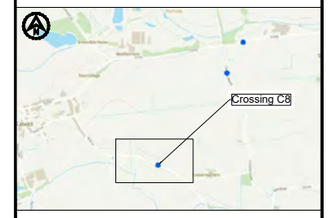
NOTES

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3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.
6. Reduced speed limit has been taken into account considering the geometry of the existing road.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE
- PROPOSED YELLOW DEMARCATION BOLLARD

LOCATION PLAN



REV	DATE	DESCRIPTION	BY	CHK	APP
P04	29.09.24	UPDATED VIEWPORTS AND NORTH ARROW	AA	SKT	SKT
P03	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P02	08.09.23	UPDATED ACCESS LOCATION	AA	SKT	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

CROSSING C8 (NORTH & SOUTH)
GENERAL ARRANGEMENT

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AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
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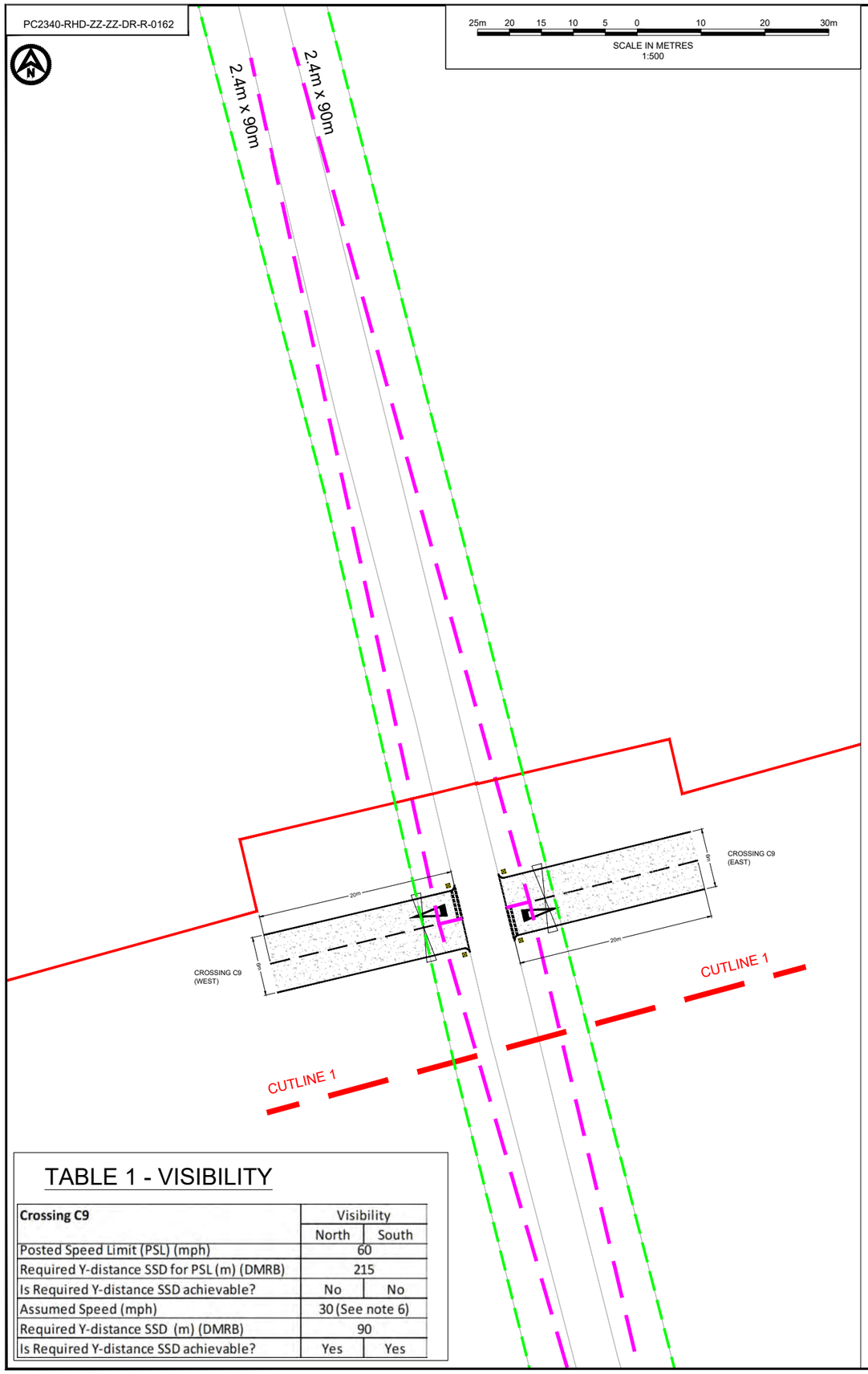
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CLIENT DWG No.

REVISION P04

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PC2340-RHD-ZZ-ZZ-DR-R-0162



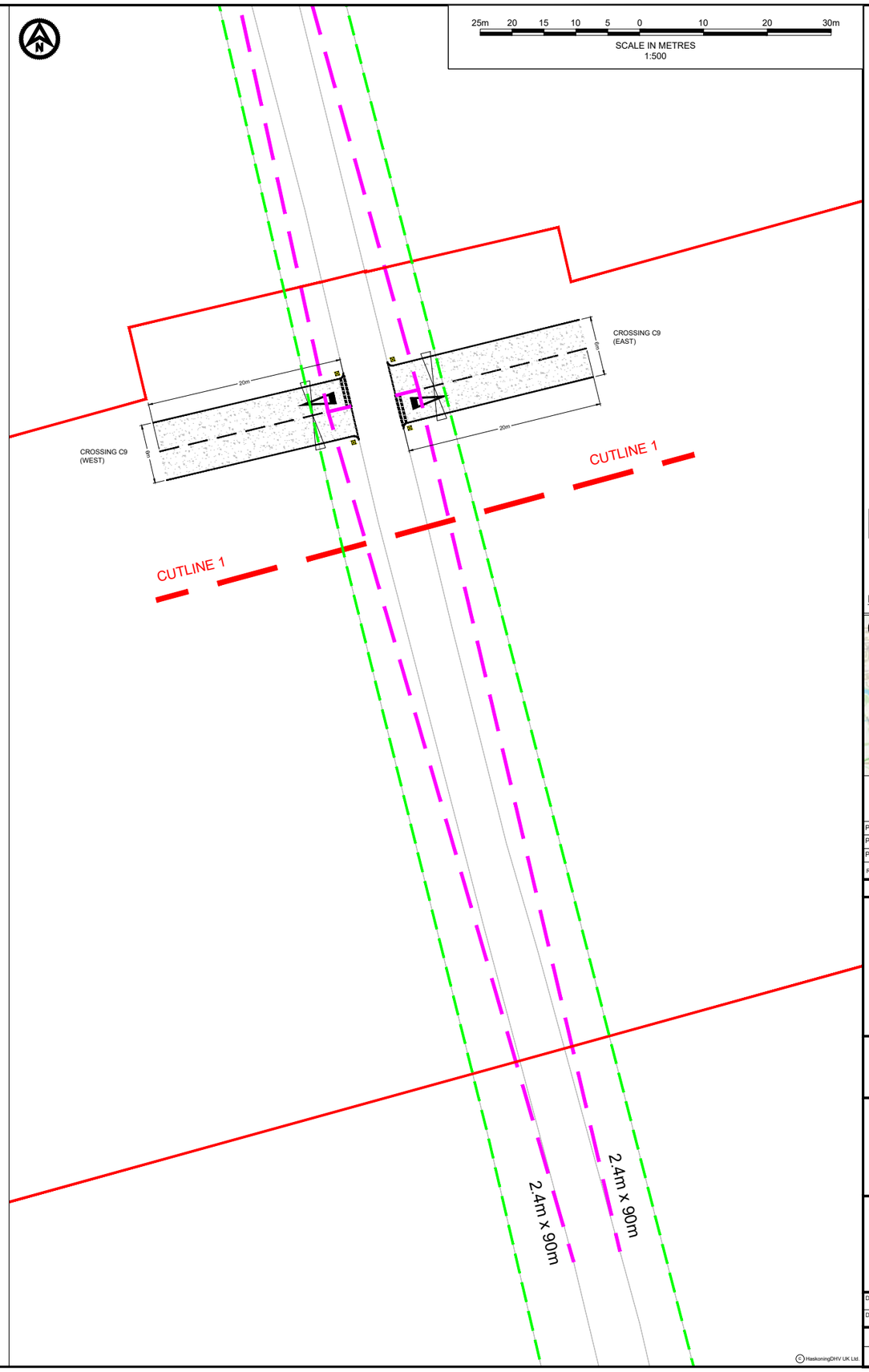


TABLE 1 - VISIBILITY

Crossing C9	Visibility	
	North	South
Posted Speed Limit (PSL) (mph)	60	
Required Y-distance SSD for PSL (m) (DMRB)	215	
Is Required Y-distance SSD achievable?	No	No
Assumed Speed (mph)	30 (See note 6)	
Required Y-distance SSD (m) (DMRB)	90	
Is Required Y-distance SSD achievable?	Yes	Yes

NOTES

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2. This drawing has been based upon Ordnance Survey Maps and Royal HaskoningDHV can not guarentee the accuracy of data.
3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.
6. Reduced speed limit has been taken into account considering the geometry of the existing road.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- PROPOSED GATE
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE
- PROPOSED YELLOW DEMARCATION BOLLARD

LOCATION PLAN



REV	DATE	DESCRIPTION	BY	CHK	APP
P03	30.09.24	UPDATED VIEWPORTS AND NORTH ARROW	AA	SKT	SKT
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	02.08.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH
OFFSHORE WIND FARMS

TITLE

CROSSING C9 (EAST & WEST)
GENERAL ARRANGEMENT

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Tel +44(0)1932 585566
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PC2340-RHD-ZZ-ZZ-DR-R-0119

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SCALE IN METRES
1:500

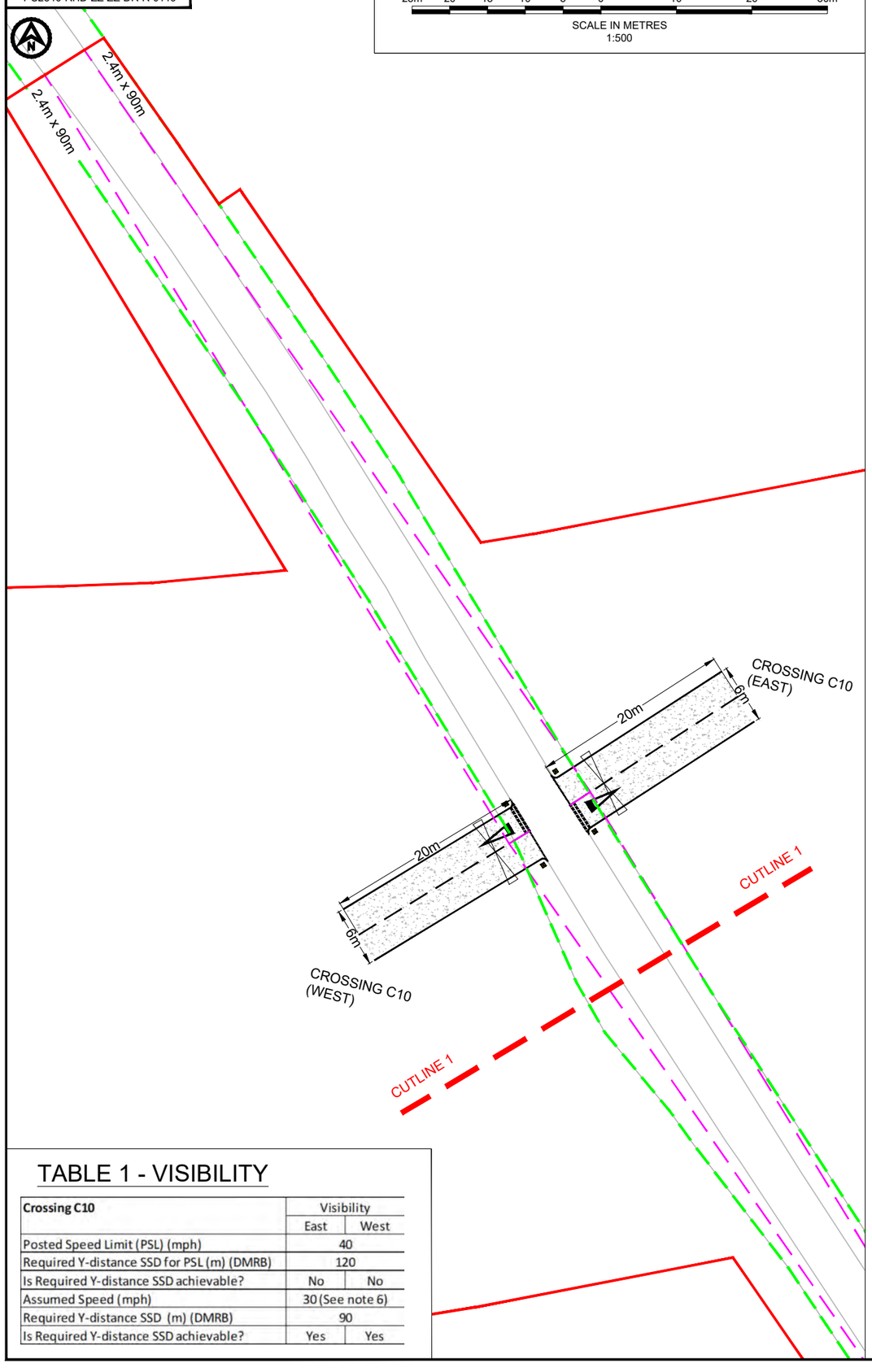
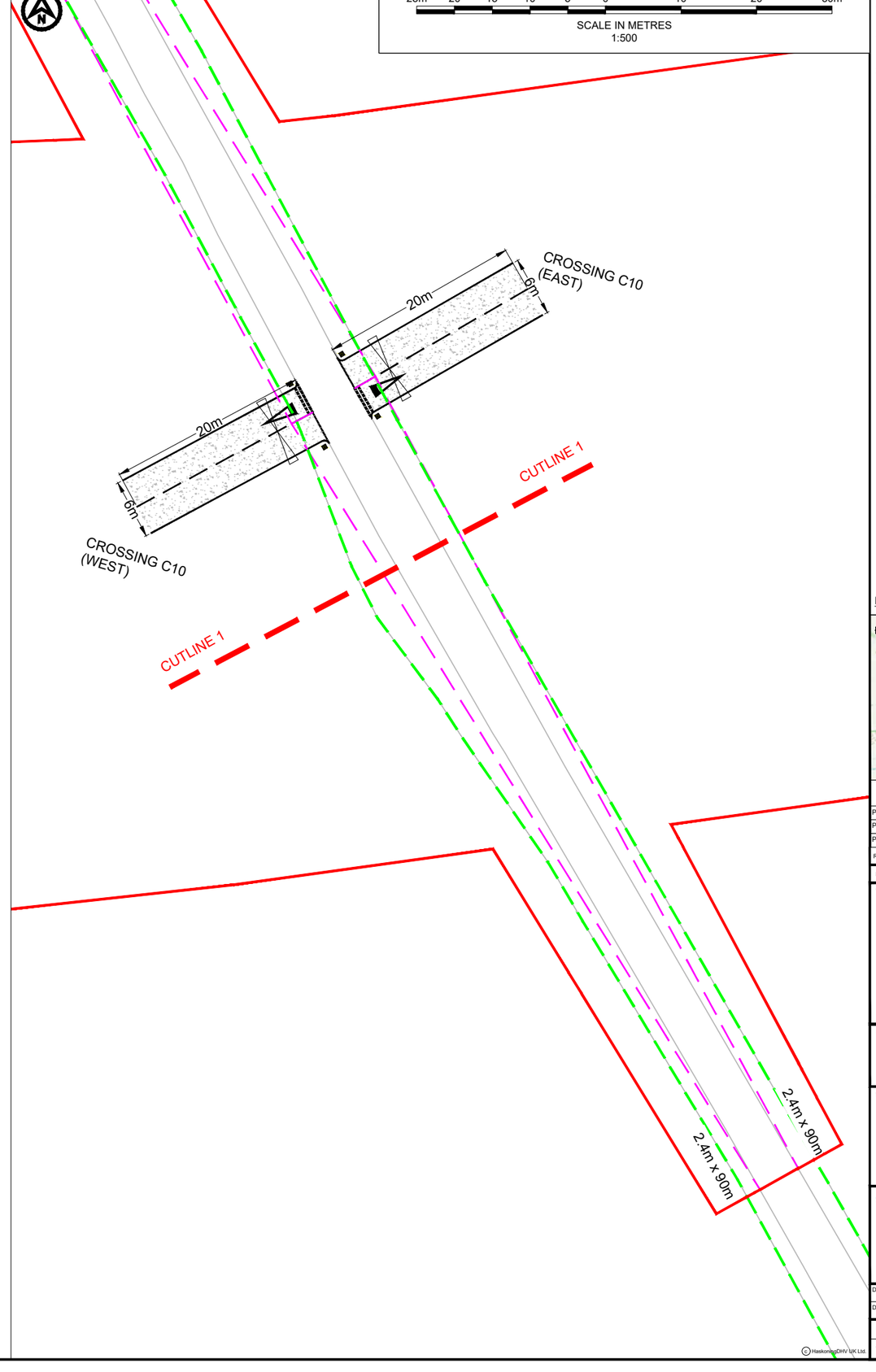


TABLE 1 - VISIBILITY

Crossing C10	Visibility	
	East	West
Posted Speed Limit (PSL) (mph)	40	
Required Y-distance SSD for PSL (m) (DMRB)	120	
Is Required Y-distance SSD achievable?	No	No
Assumed Speed (mph)	30 (See note 6)	
Required Y-distance SSD (m) (DMRB)	90	
Is Required Y-distance SSD achievable?	Yes	Yes

25m 20 15 10 5 0 10 20 30m
SCALE IN METRES
1:500



NOTES

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3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.
6. Reduced speed limit has been taken into account considering the geometry of the existing road.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- HIGHWAY BOUNDARY
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE
- PROPOSED YELLOW DEMARCATION BOLLARD

LOCATION PLAN



REV	DATE	DESCRIPTION	BY	CHK	APP
P03	29.09.24	UPDATED VIEWPORTS AND NORTH ARROW	AA	SKT	SKT
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P01	19.06.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH OFFSHORE WIND FARMS

TITLE

CROSSING C10 (EAST & WEST) GENERAL ARRANGEMENT

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Peterborough PE2 6FZ.
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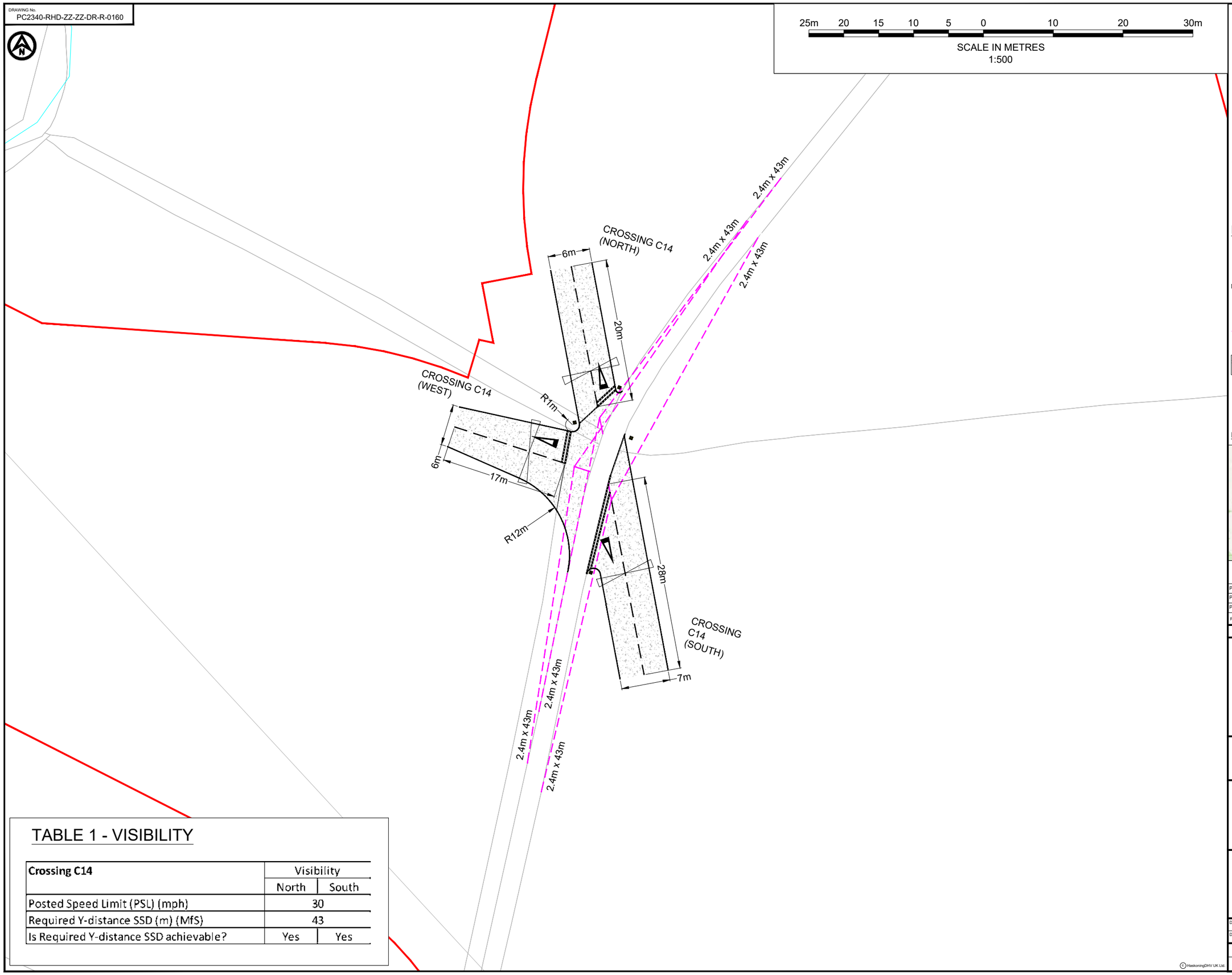
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AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
19.06.23	1:500	

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REVISION P03
CLIENT DWG No.

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DRAWING No.
PC2340-RHD-ZZ-ZZ-DR-R-0160



NOTES

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3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.
6. Reduced speed limit and Manual for Streets (MfS) visibility splays have been taken into account considering the geometry of the existing road.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE
- PROPOSED YELLOW DEMARCATION BOLLARD

LOCATION PLAN

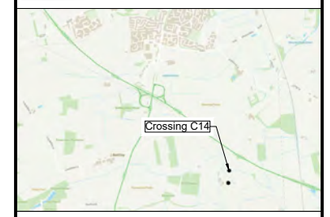


TABLE 1 - VISIBILITY

Crossing C14	Visibility	
	North	South
Posted Speed Limit (PSL) (mph)	30	
Required Y-distance SSD (m) (MfS)	43	
Is Required Y-distance SSD achievable?	Yes	Yes

REV	DATE	DESCRIPTION	BY	CHK	APP
P03	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
P02	08.09.23	UPDATED ACCESS LOCATION	AA	SKT	SKT
P01	18.07.23	FIRST ISSUE	AA	SKT	SKT

REVISIONS

CLIENT

RWE

PROJECT

DOGGER BANK SOUTH OFFSHORE WIND FARMS

TITLE

CROSSING C14 (NORTH, SOUTH & WEST)
GENERAL ARRANGEMENT

Westpoint, Peterborough Business Park, Lynch Wood, Peterborough PE2 6FZ
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Royal HaskoningDHV
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DRAWN	CHECKED	APPROVED
AA	SKT	SKT

DATE	SCALE	AUTOCAD REF.
18.07.23	1:500	

DRAWING No. PC2340-RHD-ZZ-ZZ-DR-R-0160
REVISION P03
CLIENT DWG No.

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DRAWING No.
PC2340-RHD-ZZ-ZZ-DR-R-0161

25m 20 15 10 5 0 10 20 30m

SCALE IN METRES
1:500

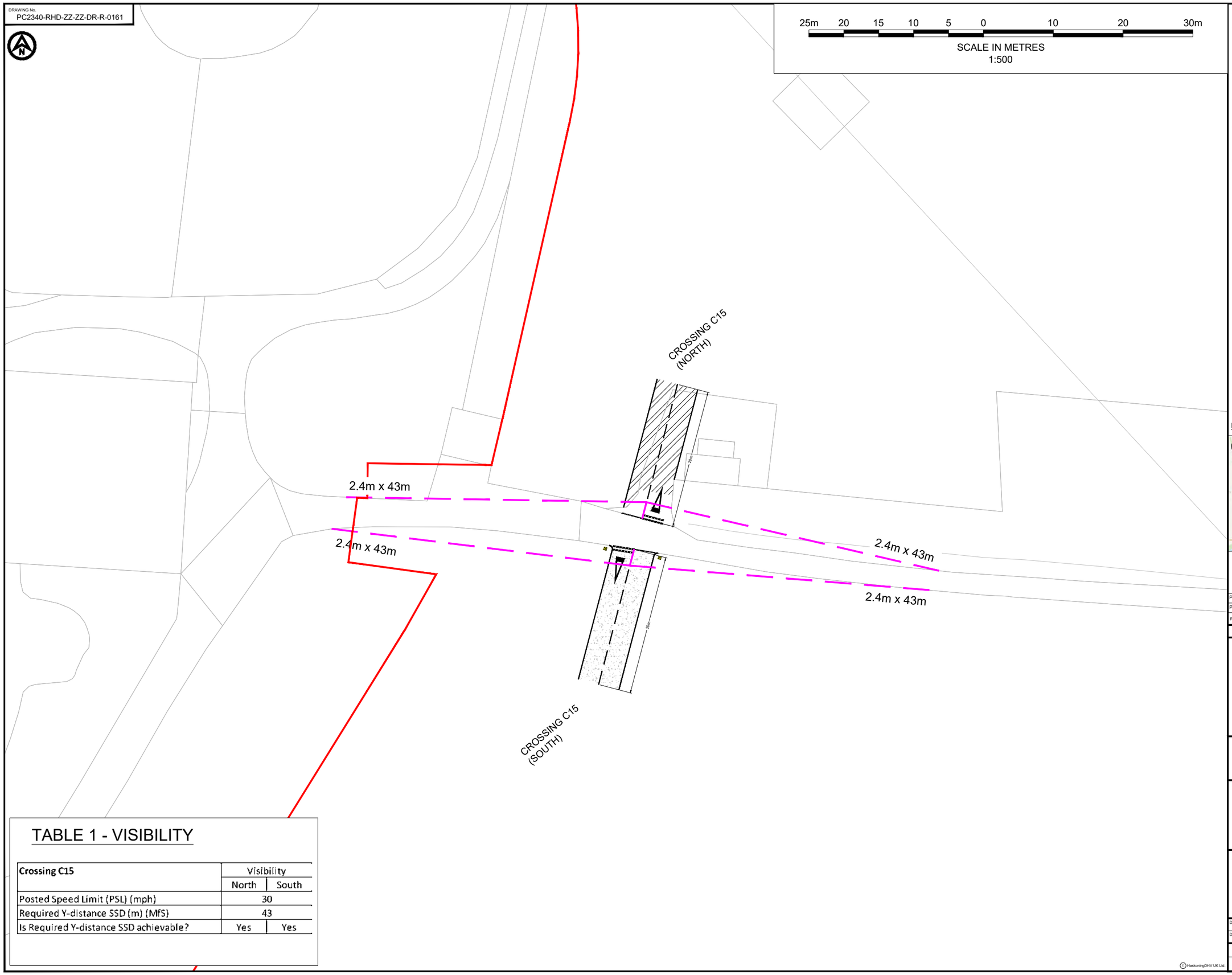


TABLE 1 - VISIBILITY

Crossing C15	Visibility	
	North	South
Posted Speed Limit (PSL) (mph)	30	
Required Y-distance SSD (m) (MfS)	43	
Is Required Y-distance SSD achievable?	Yes	Yes

NOTES

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2. This drawing has been based upon Ordnance Survey Maps and Royal HaskoningDHV can not guarentee the accuracy of data.
3. X-distance - the set back from the nearest edge of the carriageway from which the access will be taken
4. Y-Distance - the SSD measured along the nearest edge of the carriageway to its intersection with the centreline of the access.
5. All vegetation to be cleared/trimmed within identified visibility envelope and thereafter maintained in accordance with Local Highway Authority maintenance practices.
6. Reduced speed limit and Manual for Streets (MfS) visibility splays have been taken into account considering the geometry of the existing road.

KEY

- EXISTING ARRANGEMENT
- ONSHORE CABLE CORRIDOR
- PROPOSED GATE
- PROPOSED ACCESS BOUNDARY/ROAD MARKINGS
- VISIBILITY SPLAY FOR ASSUMED JUNCTION LOCATION (SEE TABLE 1)
- FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE
- CARRIAGEWAY WIDENING - FULL DEPTH CARRIAGEWAY CONSTRUCTION WITH BOUND SURFACE
- PROPOSED YELLOW DEMARCATION BOLLARD

LOCATION PLAN



REV	DATE	DESCRIPTION	BY	CHK	APP
P02	19.03.24	UPDATED RED LINE BOUNDARY AND NOTATION	KP	RNE	SKT
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OFFSHORE WIND FARMS

TITLE

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