

OXFORDSHIRE RAILFREIGHT INTERCHANGE LIMITED



TECHNICAL NOTE 6: M40 J10 OPTIONS REPORT – TRAFFIC FLOW DERIVATION

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1.0 INTRODUCTION

- 1.1 ADC Infrastructure Limited are appointed by Oxfordshire Railfreight Interchange Ltd (the Applicant) to assess the transport and infrastructure requirements of a Nationally Significant Infrastructure Project (NSIP), that being a proposed Strategic Rail Freight Interchange in Oxfordshire, to be known as Oxfordshire Strategic Rail Freight Interchange (OxSRFI).
- 1.2 Technical Note 5 ‘M40 Junction 10 Options Report’¹ has been produced to identify and assess a long list of interventions to be considered at M40 Junction 10 that could be implemented by the OxSRFI scheme to mitigate the impact of the OxSRFI development at M40 Junction 10.
- 1.3 This Technical Note has been produced to calculate the traffic flow demands used in the Technical Note 5. It therefore should be read in conjunction with Technical Note 5 and is structured as follows:
 - Section 2 presents the 2031 Reference Case traffic flows used in the Options Report.
 - Section 3 presents the 2031 Do something (with OxSRFI development) traffic flows used in the Options Report.
- 1.4 It should be noted that the final assessment traffic flows for use in the Transport Assessment will be agreed with Highways England and Oxfordshire County Council, and are expected to be based on the outputs from the Bicester Transport Model.

¹ Technical Note 5 – M40 Junction 10 Options Report, ADC1794-RP-M-V2, ADC Infrastructure Ltd, June 2021

2.0 REFERENCE CASE TRAFFIC FLOWS

Introduction

- 2.1 Highways England commissioned AECOM to carry out traffic impact analyses of a set of proposed interventions at Junction 10 of the M40². As part of that work AECOM have developed a VISSIM model of the junction complex. That traffic impact analysis assessed the benefit of a number of proposed improvement schemes on the overall performance of the junction complex using 2026, 2031 and 2036 flows, including the committed Heyford Park development flows.
- 2.2 The proposed improvement schemes considered were designed to provide additional capacity at the key junctions listed below:
- Baynard’s Green roundabout
 - Padbury junction
 - Ardley roundabout
- 2.3 The proposed schemes were combined in five different scenarios to assess which combination provided the better results for the overall junction operation. The modelling parameters used in the AECOM assessments are presented in the table below.

Name	Scheme	2026	2031	2036
Reference Case	-	✓	✓	✓
Do-minimum	-	✓	✓	✓
Do Something 1	(1) Baynard’s Green Roundabout	✓	✓	✓
Do Something 2	(2) Padbury Roundabout	✓		
Do Something 3	(1+2) Baynard’s Green & Padbury Roundabouts	✓	✓	✓
Do Something 4	(1+2+3) Baynard’s Green & Padbury & Ardley Roundabouts	✓	✓	✓
Do Something 5	(1+3) Baynard’s Green & Ardley Roundabout	✓	✓	✓

- 2.4 The 2031 VISSIM demand was developed from strategic model outputs to include for wider reassignment and rerouting impact caused by the Heyford Park development and the proposed interventions.
- 2.5 As a result of that study, Highways England identified that the improvement schemes at Padbury Roundabout and Baynard’s Green Roundabout should be taken forward (the Do Something 3 scenario in the table above). Those improvement schemes will be delivered through a combination of Growth Deal funding and contributions from the Heyford Park development. These two schemes are therefore committed infrastructure.
- 2.6 Highways England have provided the Applicant with a copy of the approved VISSIM model and the associated demand traffic flows, which are summarised in the below extract from AECOM’s TN11.

² M40 Junction 10 TN11 rev01, VISSIM Forecast Modelling, AECOM, March 2020

Table 3. Modelling Scenarios – Summary

Name	Flows	Scheme
Reference Case	2026 - Reference Case 2026 2031 - Reference Case 2031 2036 - Reference Case 2031 + Tempro	-
Do minimum	2026 - Do Minimum 2026 2031 - Do Minimum 2031 2036 - Do Minimum 2031 + Tempro	
Do Something 1	2026 - Do Minimum 2026 2031 - Do Something 1 2031 2036 - Do Something 1 2031 + Tempro	(1) Baynard's Green Roundabout
Do Something 2	Do Minimum 2026	(2) Padbury Roundabout
Do Something 3	2026 - Do Minimum 2026 2031 - Do Something 1 2031 2036 - Do Something 1 2031 + Tempro	(1+2) Baynard's Green & Padbury Roundabouts
Do Something 4	2026 - Do Minimum 2026 2031 - Do Something 2 2031 2036 - Do Something 2 2031 + Tempro	(1+2+3) Baynard's Green & Padbury & Ardley Roundabouts
Do Something 5	2026 - Do Minimum 2026 2031 - Do Something 1 2031 2036 - Do Something 1 2031 + Tempro	(1+3) Baynard's Green & Ardley Roundabouts

- 2.7 Hence, for the purposes of the Options Report, the 2031 Do Something 1 2031 traffic flow demands that are associated with the Do Something 3 scenario were extracted from the VISSIM model. These demand flows include for the traffic reassignment effects associated with the committed mitigation schemes at Baynard’s Green and Padbury junctions. For the purposes of the Options Report, these traffic flow demands have been used as the starting point to generate the Reference Case traffic flows for use in the Option Report.
- 2.8 Accordingly, for the purposes of the Options Report, a 2031 future year has been assessed. Ultimately, the capacity assessment of the SRN will be based on a 2026 opening year in accordance with DfT Circular 02/2013.
- 2.9 The following morning and evening peak highway hour traffic flow demand sets were extracted from the VISSIM model:

Peak	Reference	Time Period
Morning peak	2031 AM1	0645 to 0745
	2031 AM2	0745 to 0845
Evening peak	2031 PM1	1530 to 1630
	2031 PM2	1630 to 1730

- 2.10 The 2031 Do Something 3 traffic flows extracted from the M40J10 VISSIM model are presented in **Tables 1 and 2** at **Appendix A** as O/D matrices in accordance with the VISSIM model zone plan that is provided at **Figure 1** below. The traffic flow matrices show that the mainline M40 southbound traffic flows are higher between 0645 to 0745 than between 0745 and 0845 whilst overall, the M40J10 network is busier between 0745 to 0845. Hence for a robust assessment, both morning peak hours (AM1 and AM2) have been assessed within the Options Report. In the evening peak, the total traffic flow on the M40 southbound and across the M40J10 network is higher between the hours of 1630 to 1730 than between 1530 and 1630. Hence only the PM2 traffic flows have been assessed within the Options Report.

B430/Ardley Road junction

2.11 The M40J10 VISSIM model zonal plan is shown in **Figure 1** below. As shown, the VISSIM model does not extend to include the B430/Ardley Road junction.

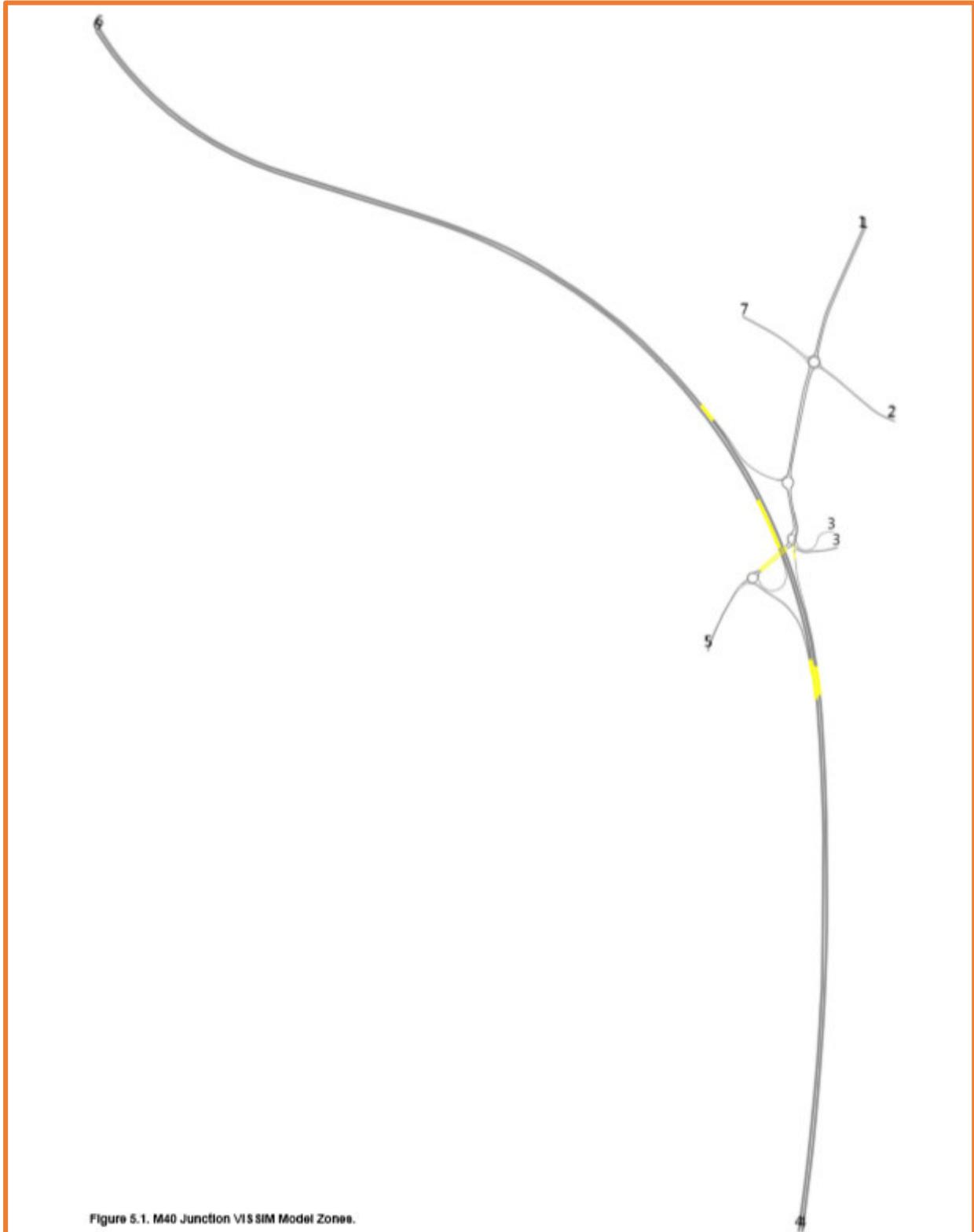


Figure 1: extract of M40J10 VISSIM model zonal plan

2.12 In order to understand the turning proportions at the B430/Ardley Road junction to allow further assessments to be undertaken as part of the OxSRFI development, reference was made to the

Heyford Park Transport Assessment Addendum report that included turning proportions at the Ardley Road junction. Those turning proportions were applied to the Zone 5 traffic within the VISSIM traffic flow demands to create three additional zones (8, 9 and 10) within the traffic flow matrices produced to undertake the capacity assessments within the Options Report. As a result, Zone 5 of the M40J10 VISSIM traffic flow matrix becomes redundant with that traffic split across the new Zones 8, 9 and 10, with Zone 11 being the site access. The updated Zonal plan is shown at **Figure 2**.

- 2.13 The Ardley Road traffic flow matrices are presented in **Table 3 and 4** at **Appendix A**. Adding in the B430/Ardley Road junction results in additional traffic demands that are not represented in the original VISSIM demand sets. These additional demands are associated with traffic moves to and from Zones 8 and 9 to each and other and to and from Zone 10. The additional traffic demand is shown highlighted with the tables.
- 2.14 By combining the traffic flow matrices at **Tables 1 and 2** (omitting the now redundant Zone 5) with **Tables 3 and 4**, gives the resultant morning and evening peak 2031 Reference Case traffic flow matrices, including the B430/Ardley Road junction. These are presented in **Table 5 and 6** at **Appendix A**.

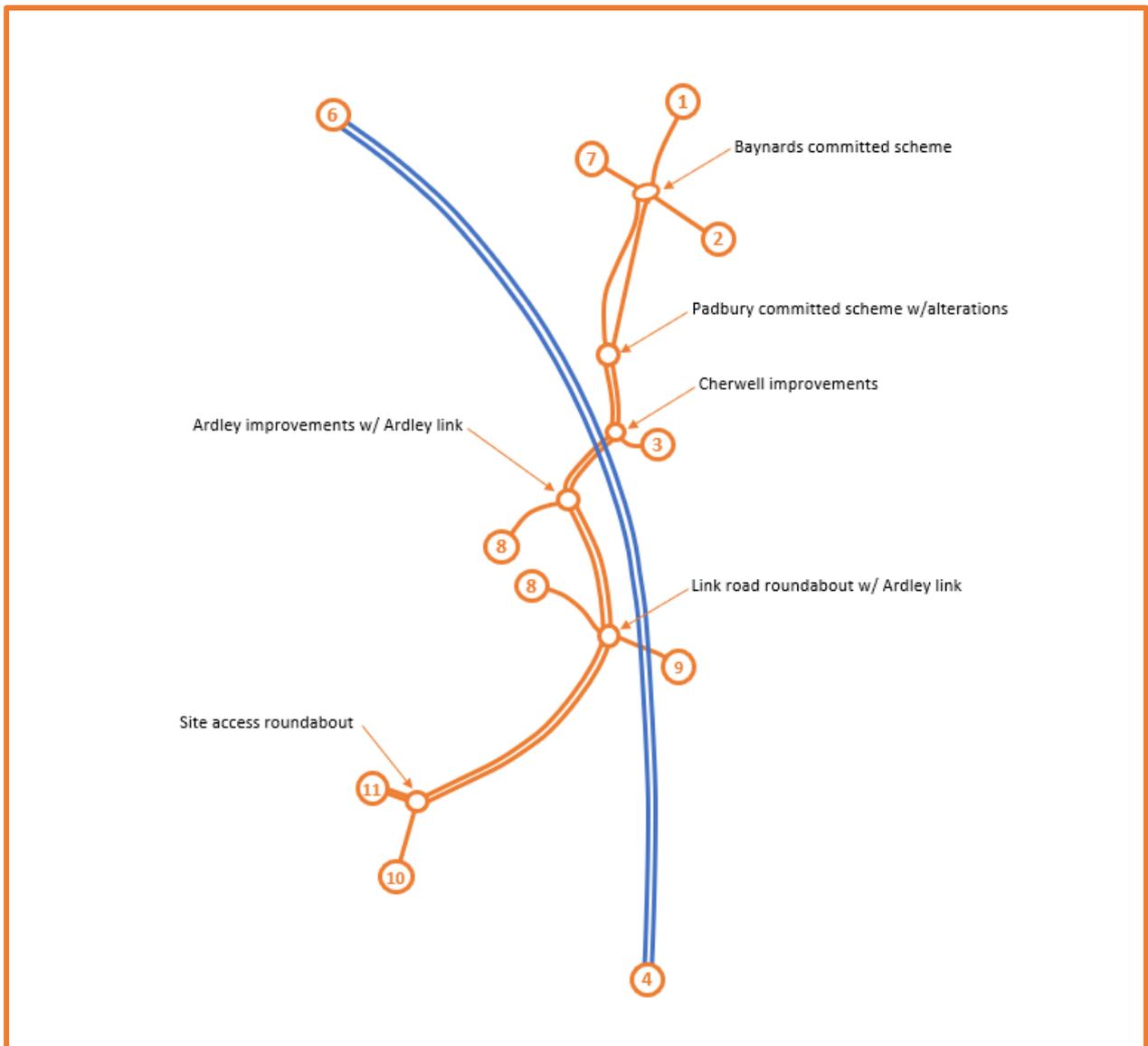


Figure 2: updated zonal plan

Highway network

- 2.15 The existing M40J10 junction complex includes the following junctions listed in order of north to south on the highway network:
- Baynard's Green Roundabout
 - Padbury Roundabout
 - Cherwell Roundabout
 - Ardley Roundabout

- 2.16 The traffic flows used to assess the capacity of the existing and committed improvement works at the junctions in the Options Report are presented below. In each case the traffic flow sets are derived from the 2031 Reference Case traffic demand matrices provided at **Tables 5 and 6**.

Baynard's Green Roundabout

- 2.17 As detailed in the Options Report, the existing Baynard's Green roundabout is a priority controlled four-arm roundabout comprising the A43 (north and south) and the B4100 (east and west). There is a committed improvement scheme of the Baynard's Green roundabout that increases the size of the roundabout and upgrades it to full traffic signal control.
- 2.18 A single traffic flow set has been produced to assess the capacity of the existing priority controlled roundabout and the committed signal control scheme. The resultant 2031 Reference Case traffic flow set for both the morning and evening peak hours is presented in **Diagrams BaynardsRef1_AM** and **BaynardsRef1_PM** contained in **Appendix B**.

Padbury Roundabout

- 2.19 The existing Padbury roundabout is a three-arm priority controlled roundabout comprising the A43 (north and south) and the M40J10 southbound off-slip to the west. There is a committed improvement scheme at the Padbury roundabout that proposes to upgrade the junction to full traffic signal control. As part of the improvement, the M40J10 southbound off-slip approach would also be widened to provide a flared left turn lane.
- 2.20 A single traffic flow set has been produced to assess the capacity of the existing priority controlled roundabout and the committed traffic signal control scheme. The 2031 Reference Case traffic flow set for both the morning and evening peak hours is presented in Diagrams **PadburyRef1** and **PadburyRef1** contained in **Appendix B**.

Cherwell Roundabout

- 2.21 The existing A43/M40 Cherwell roundabout is a signal controlled junction comprising the A43 (north), Cherwell Valley motorway services (east), the M40 southbound on-slip and the A43 bridge over the M40 carriageway.
- 2.22 A single traffic flow set has been produced to assess the capacity of the existing junction. The 2031 Reference Case traffic flow set for both the morning and evening peak hours is presented in Diagrams **CherwellRef1_AM** and **CherwellRef1_PM** contained in **Appendix B**.

Ardley Roundabout

- 2.23 The existing A43/B430/M40 Ardley roundabout is a priority controlled roundabout comprising the A43 (north), M40 northbound on/off slips and the B430.

- 2.24 A single traffic flow set has been produced to assess the capacity of the existing priority controlled roundabout. The 2031 Reference Case traffic flow set for both the morning and evening peak hours is presented in Diagrams **ArdleyRef1_AM** and **ArdleyRef1_PM** contained in **Appendix B**.

3.0 DO SOMETHING TRAFFIC FLOWS

Introduction

3.1 For the purpose of the Options Report, the 2031 Do Something traffic flows have been derived using the Reference Case traffic flows on to which the OxSRFI development traffic has been added.

Trip generation

3.2 The OxSRFI development vehicle trip generation calculations are contained within Technical Note 3 ‘Trip Generation’³ and presented below for ease of reference. These generations are based on the maximum floor space for the B8 warehousing use being set at 6.5 million sqft (603,850 sqm), with up to one third of the warehouses (201,283 sqm) to provide B8 mezzanine floor space use, with capacity to accommodate 12 freight trains per day.

total development peak hour, and daily vehicle trips (no Travel Plan)									
period	light vehicles			heavy vehicles			total vehicles		
	arrive	depart	2-way	arrive	depart	2-way	arrive	depart	2-way
AM peak	903	97	1,000	172	159	331	1,075	256	1,331
PM peak	298	1,038	1,336	157	143	300	455	1,181	1,636
daily	7,929	7,801	15,730	2,459	2,461	4,920	10,388	10,262	20,650

Trip distribution – light vehicle trips

3.3 It is proposed that the Bicester Transport Model (BTM) be used to examine the transport impacts of the proposed OxSRFI scheme. The BTM can calculate a trip distribution for light vehicle trips. It is proposed that this will be used to determine the light vehicle (mostly employee) trip distribution associated with OxSRFI. In this way the assessment will take account of the changes in population densities that are associated with the allocated and committed development in the area.

3.4 However, at this stage the outputs from the BTM are not available. Therefore, to inform the Options Report the light vehicle distribution has been assessed based on the 2011 National Census ‘location of usual residence and place of work’ journey to work data, as described in Technical Note 1 ‘New M40 Junction’⁴. The schematic shown at **Figure 3** shows the resultant trip distribution pattern for the light vehicle trips. This was translated to the updated zonal system and the resulting O/D distribution matrix for the OxSRFI light vehicle trips is shown at **Table 7** at **Appendix C**.

Trip distribution – HGV trips

3.5 To appropriately represent the movement of heavy goods vehicles (HGVs) associated with OxSRFI within the BTM, it will be necessary to determine a bespoke HGV trip distribution for the development.

³ OxSRFI-ADC1794-RP-J-V3 – Technical Note 3: Trip Generation

⁴ OxSRFI-ADC1794-RP-G-V3 – Technical Note 1: New M40 Junction

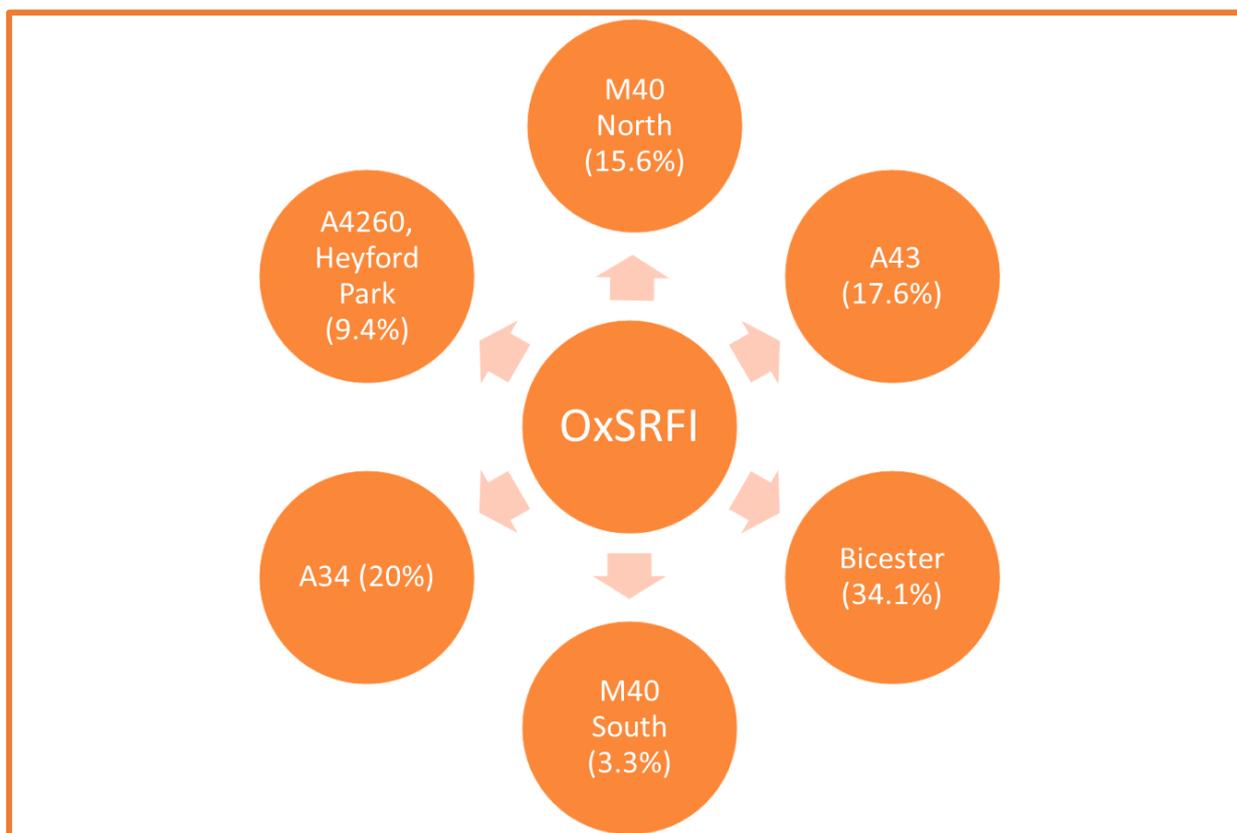


Figure 3: schematic representing the employee (light vehicle) distribution pattern

- 3.6 Work to agree the HGV distribution is ongoing, and Technical Note 4 ‘HGV Trip Distribution’⁵ presented a methodology to calculate the HGV trip distributions at a regional and national level. Therefore, whilst the HGV distribution has since been refined as part of the ongoing work, and version 3 of Technical Note 4 has been submitted to the Transport Working Group for comment and approval, the distribution within version 2 of Technical Note 4 has been used in the Option Report.
- 3.7 The heavy vehicle trip distribution pattern was translated to the updated zonal system and the resulting O/D distribution matrix for the OxSRFI HGV trips for the morning and evening peak hours are shown in **Table 7** at **Appendix C**.

Do Something traffic flows

- 3.8 The resultant OxSRFI development vehicle trip assignment matrices for the morning and evening peak hours are shown at **Table 8** at **Appendix C**.
- 3.9 The total development vehicle trips in **Table 8** were added to the 2031 Reference Case traffic flows in **Tables 5 and 6**. The resultant 2031 Do Something traffic flows are presented in **Tables 9 and 10** in **Appendix C**.

⁵ OxSRFI-ADC1794-RP-K-V2 – Technical Note 4: HGV Trip Distribution

Highway network

- 3.10 The highway network assessed as part of the Options Report comprises the following junctions:
- Baynard’s Green Roundabout
 - Padbury Roundabout
 - Cherwell Roundabout
 - Ardley Roundabout
 - Proposed Ardley East junction
 - Proposed B430/Site Access roundabout (Principal access)
- 3.11 For each junction, a number of different layout options have been put forward and assessed to understand what junction type and size are required to accommodate the proposed development. The different highway layout options resulted in 19 strategic options that are presented in the Options Report. Combining the different highway layout options results in traffic routing different ways through the M40J10 network. Hence for some junctions multiple traffic flow sets are required. This is explained below for each junction.
- 3.12 In addition, strategic option 3 considers the replacement of the Cherwell and Ardley Roundabouts with a single large grade separated junction.

Baynard’s Green roundabout

- 3.13 In all the option testing layouts considered as part of the Options Report, Baynards Green remains a four-arm signal controlled junction and the traffic flows through the junction are not affected by routing options considered at the other junctions. Hence, a single traffic flow set is required to assess the capacity of the options. The 2031 Do Something traffic flow set for the morning and evening peak hours is presented in **Diagrams 1 and 2** respectively contained in **Appendix D**.

Padbury Roundabout

- 3.14 As part of the option testing, three potential options were considered at the A43 Padbury Roundabout. The first option included the retention of the Highways England committed scheme, whilst the second option considered replacing the roundabout to provide a signal controlled T-junction. A third option was considered that removed the Padbury Roundabout and re-directed the M40 southbound off-slip onto the Cherwell Roundabout, or in the case of strategic option 3 a new single large grade separated roundabout.
- 3.15 The two options that retain the Padbury junction use the same traffic flow set for assessment as traffic would enter and exit the network from the same location in each option. However, some of the strategic options include a free-flow link from the A43 southbound to the M40 southbound. Hence, a different flow set has been produced for the two route choices available for traffic using the Padbury roundabout (with and without the A43 free-flow link). The different options and corresponding traffic flow set are listed in the table below and shown in **Diagrams 3 to 6** in **Appendix D**.

Strategic Option(s)	Junction option (see Options Report)	Traffic Flow Set
1,4,5,6,7,8	P-1 (without A43 free-flow)	Padbury1_AM Padbury1_PM
10,11,13,14,15,18,19	P-3 (with A43 free-flow)	Padbury2_AM Padbury2_PM

- 3.16 The strategic options 2, 3, 9, 16 and 17 all include the removal of the A43 Padbury Roundabout and hence no assessment and traffic flow set is required.
- 3.17 The 2031 do something traffic flows at the Padbury Roundabout were used in the capacity assessments of each highway layout option.

Cherwell Roundabout

- 3.18 A total of seven different junction layout options were considered at the Cherwell Roundabout within the Options Report. The seven different layout options require 10 different traffic flow sets given the different strategic option layouts at other junctions within the M40J10 arrangement would mean traffic routing through the junction in different ways. The table below lists the different traffic flow sets associated with the different strategic options. The Cherwell Roundabout 2031 do something traffic flows are shown in **Diagrams 7 to 26** at **Appendix D**.

Strategic Option(s)	Junction option (see Options Report)	Traffic Flow Set
1	C-1	Cherwell1_AM Cherwell1_PM
2	C-2	Cherwell2_AM Cherwell2_PM
4,5	C-3	Cherwell3_AM Cherwell3_PM
6,7,8	C-3	Cherwell4_AM Cherwell4_PM
9	C-4	Cherwell5_AM Cherwell5_PM
10,11,13,18,19	C-5	Cherwell6_AM Cherwell6_PM
12	C-6	Cherwell7_AM Cherwell7_PM
14,15	C-7	Cherwell8_AM Cherwell8_PM
16	C-2	Cherwell9_AM Cherwell9_PM
17	C-2	Cherwell10_AM Cherwell10_PM

- 3.19 The strategic option 3 includes the replacement of the Cherwell Roundabout (and Ardley Roundabout) with a single large grade separated roundabout for which a sperate traffic flow set was generated (see paragraph 3.25).

Ardley Roundabout

- 3.20 A total of three different junction layout options were considered at the Ardley Roundabout within the Options Report. The three different layout options require 8 different flow set options given the different strategic options within the M4J10 arrangement would mean traffic routing through the junction in different ways. The table below lists the different traffic flow set associated with each junction option. The Ardley roundabout 2031 Do Something traffic flows are shown in **Diagrams 27 to 42** at **Appendix D**.

Strategic Option(s)	Junction option (see Options Report)	Traffic Flow Set
1,2,14,15	A-1	Ardley1_AM Ardley1_PM
4,5	A-1	Ardley2_AM Ardley2_PM
6,7	A-2	Ardley3_AM Ardley3_PM
13,19	A-2	Ardley4_AM Ardley4_PM
8,9	A-3	Ardley5_AM Ardley5_PM
10,11,12,18	A-3	Ardley6_AM Ardley6_PM
16	A-2	Ardley7_AM Ardley7_PM
17	A-3	Ardley8_AM Ardley8_PM

3.21 The strategic option 3 includes the replacement of the Cherwell Roundabout (and Ardley Roundabout) with a single large grade separated roundabout for which a separate traffic flow set was generated (see paragraph 3.25).

Proposed Ardley East

3.22 A new junction is proposed along the Ardley Bypass that could potentially connect the Ardley Road bridge over the M40 whilst also providing new on and off slips from the M40 south. The junction is referred to as Ardley East within the Options Report. In total eight junction layouts have been considered that include the provision of new slip road and/or Ardley Road connections. The table below lists the nine traffic flow sets associated with the strategic options. The Ardley East 2031 Do Something traffic flows are presented in **Diagram 43 to 60** at **Appendix D**.

Strategic Option(s)	Junction option (see Options Report)	Traffic Flow Set
1,2,3,14,15	AE-1	ArdleyEast1_AM ArdleyEast1_PM
4	AE-3	ArdleyEast2_AM ArdleyEast2_PM
5	AE-4	ArdleyEast3_AM ArdleyEast3_PM
6	AE-5	ArdleyEast4_AM ArdleyEast4_PM
7,8,9	AE-6	ArdleyEast5_AM ArdleyEast5_PM
10,11,12,13	AE-6	ArdleyEast6_AM ArdleyEast6_PM
16	AE-7	ArdleyEast7_AM ArdleyEast7_PM
17	AE-5	ArdleyEast8_AM ArdleyEast8_PM
18,19	AE-8	ArdleyEast9_AM ArdleyEast9_PM

- 3.23 As noted on strategic options 1, 2 3, 14, 15 rather than providing the Ardley East junction, the Ardley Bypass could be taken over Ardley Road, in which case there would not be a junction and hence no assessment is required of this junction under these sub-options.

Proposed site access junction

- 3.24 The proposed access junction comprises a 3-arm roundabout with segregated left turn lane for movements from the site to the Ardley Bypass. The access layout remains the same in all strategic options meaning a single traffic flow set is required to assess the capacity of the access junction. The 2031 Do Something traffic flow set for the morning and evening peak hours is presented in **Diagrams 61 and 62** respectively contained in **Appendix D**.

Strategic Option 3 – large grade separated roundabout

- 3.25 Strategic Option 3 in the Options Report considers the creation of a large grade separated roundabout that would replace the Padbury, Cherwell and Ardley roundabouts. Hence, a single traffic flow set is required to assess the capacity of the Strategic Option 3. The 2031 Do Something traffic flow set for the morning and evening peak hours is presented in **Diagrams 63 and 64** respectively contained in **Appendix D**.

APPENDIX A

2031 REFERENCE CASE O/D TRAFFIC FLOW MATRICES

		LMBs											
		1	2	3	4	5	6	7	8	9	10	11	Total
RESCUE	1	0	416	55	1050	671	31	44					2311
	2	350	0	0	6	32	140	210					747
	3	31	22	0	164	81	64	9					332
	4	899	6	173	40	38	2576	34					3566
	5	1842	206	71	50	0	245	56					2566
	6	39	244	145	312	209	14	11					3871
	7	36	140	1	68	13	1	0					299
	8												0
	9												0
	10												0
	11												0
	Total		1318	885	395	4632	3024	312	324	0	0	0	0

		LMBs											
		1	2	3	4	5	6	7	8	9	10	11	Total
RESCUE	1	0	402	64	1081	522	76	46					2193
	2	318	0	11	10	16	161	248					834
	3	46	4	0	193	155	131	1					414
	4	856	8	137	16	10	2704	53					3944
	5	1883	25	38	43	0	285	21					2566
	6	11	218	151	2644	283	13	10					3570
	7	50	252	1	88	11	1	1					404
	8												0
	9												0
	10												0
	11												0
	Total		1504	909	412	4197	3937	3444	420	0	0	0	0

		HMBs											
		1	2	3	4	5	6	7	8	9	10	11	Total
RESCUE	1	0	13	13	215	11	7	5					264
	2	15	0	0	15	0	4	12					32
	3	10	0	0	55	0	24	2					91
	4	150	0	28	4	9	400	8					599
	5	38	0	2	0	0	7	2					47
	6	12	12	17	671	5	1	0					738
	7	8	8	0	13	0	0	1					30
	8												0
	9												0
	10												0
	11												0
	Total		221	33	31	967	25	443	31	0	0	0	0

		HMBs											
		1	2	3	4	5	6	7	8	9	10	11	Total
RESCUE	1	0	22	24	201	20	6	12					285
	2	16	0	0	0	7	9						32
	3	16	0	0	50	1	16	1					84
	4	121	0	27	2	8	307	5					470
	5	21	0	0	0	1	9						30
	6	8	16	14	474	10	0	5					547
	7	11	22	0	11	0	0	0					44
	8												0
	9												0
	10												0
	11												0
	Total		203	60	85	747	39	347	41	0	0	0	0

		Total											
		1	2	3	4	5	6	7	8	9	10	11	Total
RESCUE	1	0	429	68	1307	682	40	46					2576
	2	363	0	0	17	32	213	222					775
	3	42	22	0	219	83	88	11					445
	4	840	6	201	44	47	2976	42					4165
	5	1901	261	74	50	0	230	50					2525
	6	51	253	182	3883	214	11	11					4629
	7	44	188	1	81	13	1	1					329
	8												0
	9												0
	10												0
	11												0
	Total		1539	918	476	3599	1040	355	355	0	0	0	0

		Total											
		1	2	3	4	5	6	7	8	9	10	11	Total
RESCUE	1	0	424	88	1284	642	42	58					2478
	2	314	0	11	10	16	168	297					836
	3	42	4	0	215	86	127	2					498
	4	877	6	184	33	58	3091	58					4412
	5	204	251	78	57	0	307	50					646
	6	59	234	185	3318	293	13	15					4117
	7	61	274	1	89	11	1	1					448
	8												0
	9												0
	10												0
	11												0
	Total		1697	963	497	3546	978	3791	461	0	0	0	0

		HMBs											
		1	2	3	4	5	6	7	8	9	10	11	Total
RESCUE	1	0.0%	3.0%	18.1%	16.4%	1.6%	17.0%	10.2%					
	2	2.6%	0.0%	0.0%	0.3%	0.0%	2.6%	5.4%					
	3	0.3%	0.0%	0.0%	1.5%	0.0%	2.7%	18.2%					
	4	17.7%	0.0%	13.9%	0.1%	18.3%	13.4%	19.0%					
	5	14.7%	0.0%	13.3%	0.0%	0.0%	3.2%	16.8%					
	6	23.5%	4.2%	20.3%	17.3%	2.3%	6.7%	0.0%					
	7	18.2%	4.3%	0.0%	16.0%	0.0%	0.0%	100.0%					
	8												
	9												
	10												
	11												
	Total												

		HMBs											
		1	2	3	4	5	6	7	8	9	10	11	Total
RESCUE	1	0.0%	5.2%	27.8%	15.7%	3.7%	7.3%	20.7%					
	2	4.8%	0.0%	0.0%	0.0%	0.0%	4.2%	3.0%					
	3	0.8%	0.0%	0.0%	1.0%	0.0%	1.2%	10.0%					
	4	12.4%	0.0%	14.7%	5.3%	18.8%	9.0%	8.0%					
	5	10.0%	0.0%	0.0%	17.0%	0.0%	3.6%	30.0%					
	6	13.6%	6.8%	18.4%	14.3%	3.4%	0.0%	13.3%					
	7	18.0%	8.0%	0.0%	11.1%	0.0%	0.0%	0.0%					
	8												
	9												
	10												
	11												
	Total												

		PCMB											
		1	2	3	4	5	6	7	8	9	10	11	Total
RESCUE	1	0	442	81	1522	669	47	54					2819
	2	376	0	0	12	32	157	214					811
	3	32	22	0	274	61	112	13					534
	4	899	6	229	48	58	3176	50					4764
	5	218	20	27	62	0	269	32					608
	6	63	265	210	4554	210	16	11					5347
	7	52	206	1	94	13	1	2					359
	8												0
	9												0
	10												0
	11												0
	Total		1760	951	557	4546	1074	4038	386	0	0	0	0

		PCMB											
		1	2	3	4	5	6	7	8	9	10	11	Total
RESCUE	1	0	446	112	1485	642	88	70					2763
	2	350	0	11	10	16	175	306					868
	3	78	4	0	295	57	145	1					582
	4	1091	8	212	40	66	3198	63					

		MINS												
		1	2	3	4	5	6	7	8	9	10	Total		
1											11	90	570	671
2												4	27	32
3											1	8	52	61
4											1	7	50	58
5														0
6											3	28	178	209
7											0	2	11	13
8	52	1	1	4			20	1	5	189	26	254		
9	28	3	4	8			48	3	12	6	10	121		
10	122	16	16	18			227	17	58	151	0	650		
11														0
Total	182	20	21	50	0	0	335	16	82	479	304	0	2049	

		MINS													
		1	2	3	4	5	6	7	8	9	10	11	Total		
1												0	0	11	11
2													0	0	0
3												0	0	0	0
4												0	0	0	0
5															0
6												0	0	5	5
7													0	0	0
8	0	0	0	0			0	0	0	0	0	0	0	0	0
9	0	0	0	0			0	0	0	0	0	0	0	0	0
10	38	0	3	6			7	3	1	1	2	48			
11															0
Total	28	0	3	6	0	0	7	3	1	0	25	0	71		

		Total												
		1	2	3	4	5	6	7	8	9	10	11	Total	
1											11	90	581	682
2												4	27	32
3											1	8	52	61
4											1	7	50	47
5														0
6											3	28	183	214
7											0	2	11	13
8	12	1	1	4			20	1	5	189	26	254		
9	28	3	4	8			48	3	12	6	10	121		
10	150	16	19	44			234	15	48	151	0	698		
11														0
Total	190	20	24	56	0	0	322	19	83	479	309	0	2122	

		MINS														
		1	2	3	4	5	6	7	8	9	10	11	Total			
1													0.0%	0.0%	2.9%	0.0%
2													0.0%	0.0%	0.0%	0.0%
3													0.0%	0.0%	0.0%	0.0%
4													0.0%	0.0%	24.3%	0.0%
5													0.0%	0.0%	0.0%	0.0%
6													0.0%	0.0%	2.7%	0.0%
7													0.0%	0.0%	0.0%	0.0%
8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10	18.7%	0.0%	15.8%	11.6%	0.0%	2.8%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
11																0.0%
Total																

		ACU														
		1	2	3	4	5	6	7	8	9	10	11	Total			
1												11	90	590	0	693
2													4	27	0	32
3												1	8	52	0	61
4												1	7	46	0	55
5															0	0
6												3	28	188	0	219
7												0	2	11	0	13
8	12	1	1	4	0	0	20	1	0	189	26	0	254			
9	28	3	4	8	0	0	48	3	12	6	10	0	121			
10	178	16	22	50	0	0	261	18	50	151	0	0	726			
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	215	20	27	62	0	0	329	20	84	479	304	0	2154			

		MINS												
		1	2	3	4	5	6	7	8	9	10	Total		
1											0	77	496	522
2											0	2	14	16
3											1	8	46	55
4											1	8	41	50
5														0
6											0	42	235	283
7											0	2	9	11
8	52	2	2	3			19	1	5	189	26	254		
9	20	4	4	7			45	4	11	6	10	121		
10	144	18	22	33			233	16	58	151	0	662		
11														0
Total	183	25	28	43	0	0	296	21	82	479	817	0	1974	

		MINS													
		1	2	3	4	5	6	7	8	9	10	11	Total		
1												0	0	20	20
2													0	0	0
3												0	0	1	1
4												0	0	8	8
5															0
6												0	0	10	10
7													0	0	0
8	0	0	0	0			0	0	0	0	0	0	0	0	0
9	0	0	0	0			0	0	0	0	0	0	0	0	0
10	31	0	0	0			11	9	1	1	2	51			
11															0
Total	21	0	0	0	0	0	11	9	1	0	39	0	90		

		Total												
		1	2	3	4	5	6	7	8	9	10	11	Total	
1											9	77	456	542
2											0	2	14	16
3											1	8	47	56
4											1	8	49	58
5														0
6											6	42	245	293
7											0	2	9	11
8	12	2	2	3			19	1	5	189	26	254		
9	20	4	4	7			45	4	11	6	10	121		
10	162	19	22	42			243	25	48	151	0	713		
11														0
Total	204	25	28	52	0	0	307	30	83	479	856	0	2054	

		MINS														
		1	2	3	4	5	6	7	8	9	10	11	Total			
1													0.0%	0.0%	4.4%	0.0%
2													0.0%	0.0%	0.0%	0.0%
3													0.0%	0.0%	2.1%	0.0%
4													0.0%	0.0%	16.3%	0.0%
5													0.0%	0.0%	0.0%	0.0%
6													0.0%	0.0%	4.1%	0.0%
7													0.0%	0.0%	0.0%	0.0%
8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10	13.0%	0.0%	0.0%	21.4%	0.0%	4.5%	36.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
11																0.0%
Total																

		ACU													
		1	2	3	4	5	6	7	8	9	10	11	Total		
1												9	77	476	562
2												0	2	14	16
3												1	8	48	57
4												1	8	57	66
5														0	0
6												6	42	235	303
7												0	2	9	11
8	12	2	2	3	0	0	19	1	0	189	26	254			
9	20	4	4	7	0	0	45	4	11	6	10	121			
10	183	19	22	51	0	0	254	24	50	151	0	764			
11															0
Total	225	25	28	61	0	0	318	39	84	479	895	0	2154		

EBD-600												
Lkts					MSM					Total		
1	2	3	4	5	6	7	8	9	10	11		
1									12	24	193	229
2									1	2	56	59
3									1	3	25	29
4									3	6	49	58
5												0
6									10	19	148	177
7									0	1	6	7
8	12	1	1	1					7	1	50	171
9	48	1	2	4					30	2	20	88
10	186	35	8	8					124	7	212	456
11												0
Total	246	34	11	13	0	161	10	158	241	643	0	1497

EBD-730												
Lkts					MSM					Total		
1	2	3	4	5	6	7	8	9	10	11		
1									10	20	179	209
2									1	1	11	13
3									1	1	15	17
4									3	7	60	70
5												0
6									12	24	220	256
7									0	1	8	9
8	14	0	1	1					7	0	50	171
9	53	1	2	3					28	1	20	88
10	306	6	12	3					170	0	212	456
11												0
Total	375	0	14	13	0	206	10	158	240	700	0	1725

Total												
1	2	3	4	5	6	7	8	9	10	11		
1									12	24	197	233
2									1	2	57	60
3									1	3	25	29
4									3	6	54	63
5												0
6									10	19	154	183
7									0	1	6	7
8	12	1	1	1					7	1	50	171
9	48	1	2	4					30	2	20	88
10	197	13	8	15					128	8	212	456
11												0
Total	257	16	11	20	0	165	11	159	241	695	0	1546

MSM												
1	2	3	4	5	6	7	8	9	10	11		
1									0.0%	0.0%	2.5%	
2									0.0%	0.0%	0.0%	
3									0.0%	0.0%	1.0%	
4									0.0%	0.0%	0.0%	
5												
6									0.0%	0.0%	0.0%	
7									0.0%	0.0%	0.0%	
8	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	
9	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	
10	5.0%	16.7%	0.0%	46.7%					1.1%	11.5%	0.0%	0.0%
11												
Total												

MSM												
1	2	3	4	5	6	7	8	9	10	11		
1									0.0%	0.0%	0.0%	
2									0.0%	0.0%	0.0%	
3									0.0%	0.0%	0.0%	
4									0.0%	0.0%	0.0%	
5												
6									0.0%	0.0%	0.0%	
7									0.0%	0.0%	0.0%	
8	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	
9	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	
10	5.0%	16.7%	0.0%	46.7%					1.1%	11.5%	0.0%	0.0%
11												
Total												

MSM												
1	2	3	4	5	6	7	8	9	10	11		
1									0	0	0	0
2									0	0	1	1
3									0	0	4	4
4									0	0	5	5
5												0
6									0	0	6	6
7									0	0	0	0
8	0	0	0	0					0	0	0	0
9	0	0	0	0					0	0	0	0
10	11	3	0	7					4	1	5	10
11												0
Total	11	3	0	7	0	4	1	1	0	23	0	49

Total												
1	2	3	4	5	6	7	8	9	10	11		
1									10	20	188	218
2									1	1	14	16
3									1	1	13	15
4									3	7	63	73
5												0
6									12	24	221	257
7									0	1	9	10
8	14	0	1	1					7	0	50	171
9	53	1	2	3					29	1	20	88
10	320	6	14	12					170	8	212	456
11												0
Total	385	9	17	17	0	210	10	159	240	719	0	1768

MSM												
1	2	3	4	5	6	7	8	9	10	11		
1									0.0%	0.0%	0.0%	
2									0.0%	0.0%	0.0%	
3									0.0%	0.0%	0.0%	
4									0.0%	0.0%	0.0%	
5												
6									0.0%	0.0%	0.0%	
7									0.0%	0.0%	0.0%	
8	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	
9	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	
10	5.0%	16.7%	0.0%	46.7%					1.1%	11.5%	0.0%	0.0%
11												
Total												

MSM												
1	2	3	4	5	6	7	8	9	10	11		
1									0.0%	0.0%	0.0%	
2									0.0%	0.0%	0.0%	
3									0.0%	0.0%	0.0%	
4									0.0%	0.0%	0.0%	
5												
6									0.0%	0.0%	0.0%	
7									0.0%	0.0%	0.0%	
8	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	
9	0.0%	0.0%	0.0%	0.0%					0.0%	0.0%	0.0%	
10	5.0%	16.7%	0.0%	46.7%					1.1%	11.5%	0.0%	0.0%
11												
Total												

MSM												
1	2	3	4	5	6	7	8	9	10	11		
1									0	0	0	0
2									0	0	0	0
3									0	0	0	0
4									0	0	0	0
5												0
6									0	0	0	0
7									0	0	0	0
8	14	0	1	1					7	0	0	0
9	53	1	2	3					29	1	0	0
10	320	6	14	12					170	8	0	0
11												0
Total	395	9	20	21	0	214	10	160	240	738	0	1807

Table 4: 2021 Ardley Road Traffic Flows - PM Peak

		LMBs											
		1	2	3	4	5	6	7	8	9	10	11	Total
RECEIVE	1	0	416	55	4050	0	33	44	11	90	570	0	2311
	2	350	0	0	0	0	149	210	1	4	27	0	747
	3	32	22	0	164	0	64	9	1	8	52	0	332
	4	699	6	673	40	0	2576	34	1	7	30	0	3566
	5	0	0	0	0	0	0	0	0	0	0	0	0
	6	59	244	545	3212	0	14	11	3	28	178	0	3871
	7	36	140	1	68	0	3	0	0	2	11	0	299
	8	52	3	1	5	0	20	1	0	189	26	0	254
	9	28	3	4	8	0	48	3	17	0	10	0	121
	10	133	16	16	38	0	207	12	48	152	0	0	560
	11	0	0	0	0	0	0	0	0	0	0	0	0
Total	1318	885	895	4632	0	3152	324	82	479	904	0	12171	

		HMBs											
		1	2	3	4	5	6	7	8	9	10	11	Total
RECEIVE	1	0	13	13	215	0	7	5	0	0	11	0	264
	2	15	0	0	0	0	4	12	0	0	0	0	32
	3	10	0	0	51	0	24	2	0	0	0	0	91
	4	150	0	28	4	0	400	8	0	0	0	0	599
	5	0	0	0	0	0	0	0	0	0	0	0	0
	6	12	12	37	671	0	1	0	0	0	5	0	738
	7	8	8	0	13	0	0	1	0	0	0	0	30
	8	0	0	0	0	0	0	0	0	0	0	0	0
	9	0	0	0	0	0	0	0	0	0	0	0	0
	10	18	0	3	0	0	7	3	1	0	0	0	48
	11	0	0	0	0	0	0	0	0	0	0	0	0
Total	221	33	81	967	0	443	31	1	0	25	0	1802	

		Total											
		1	2	3	4	5	6	7	8	9	10	11	Total
RECEIVE	1	0	429	68	1307	0	40	46	11	90	581	0	2576
	2	363	0	0	0	0	213	222	1	4	27	0	779
	3	42	22	0	213	0	88	15	1	8	52	0	445
	4	849	6	201	44	0	2976	42	1	7	39	0	4165
	5	0	0	0	0	0	0	0	0	0	0	0	0
	6	51	253	182	3883	0	15	11	3	28	183	0	4609
	7	44	188	1	81	0	1	1	0	18	11	0	339
	8	12	1	1	4	0	1	0	0	189	26	0	264
	9	28	3	4	8	0	48	3	17	0	10	0	121
	10	150	16	16	38	0	254	12	48	152	0	0	608
	11	0	0	0	0	0	0	0	0	0	0	0	0
Total	1539	928	476	5599	0	3595	355	83	479	929	0	13971	

		HMBs											
		1	2	3	4	5	6	7	8	9	10	11	Total
RECEIVE	1	0.0%	3.0%	18.1%	16.4%	0.0%	17.0%	10.2%	0.0%	0.0%	1.9%	0.0%	2576
	2	2.8%	0.0%	0.0%	0.0%	0.0%	2.6%	5.4%	0.0%	0.0%	0.0%	0.0%	779
	3	0.3%	0.0%	0.0%	0.0%	0.0%	0.27%	0.3%	0.0%	0.0%	0.0%	0.0%	445
	4	5.7%	0.0%	13.9%	9.1%	0.0%	13.4%	19.0%	0.0%	0.0%	23.1%	0.0%	4165
	5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	6	23.5%	4.2%	20.5%	17.3%	0.0%	6.7%	0.0%	0.0%	0.0%	2.7%	0.0%	4609
	7	18.2%	4.2%	0.0%	16.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	339
	8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	264
	9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	121
	10	18.7%	0.0%	15.2%	13.6%	0.0%	2.8%	20.0%	0.0%	0.0%	0.0%	0.0%	608
	11	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	13971	

		PCMs											
		1	2	3	4	5	6	7	8	9	10	11	Total
RECEIVE	1	0	442	81	1522	0	47	54	11	90	593	0	2819
	2	376	0	0	0	0	157	214	1	4	27	0	811
	3	32	22	0	274	0	112	13	1	8	52	0	534
	4	999	6	220	48	0	3376	50	1	7	48	0	4764
	5	0	0	0	0	0	0	0	0	0	0	0	0
	6	63	265	210	4654	0	16	11	3	28	188	0	5347
	7	52	206	1	94	0	1	2	0	2	11	0	359
	8	12	1	1	4	0	20	1	0	189	26	0	264
	9	28	3	4	8	0	48	3	17	0	10	0	121
	10	136	16	16	38	0	261	18	58	151	0	0	786
	11	0	0	0	0	0	0	0	0	0	0	0	0
Total	1760	951	557	6566	0	4038	386	84	479	954	0	15775	

		LMBs											
		1	2	3	4	5	6	7	8	9	10	11	Total
RECEIVE	1	0	400	64	1081	0	26	46	9	77	436	0	2193
	2	318	0	11	10	0	163	248	0	2	14	0	804
	3	46	4	0	193	0	133	1	1	8	46	0	414
	4	856	8	157	35	0	2784	53	1	8	41	0	3844
	5	0	0	0	0	0	0	0	0	0	0	0	0
	6	51	218	151	2844	0	13	10	6	42	235	0	3570
	7	50	252	1	88	0	3	1	0	2	9	0	404
	8	52	2	2	3	0	19	1	0	189	26	0	254
	9	30	4	4	7	0	45	4	17	0	10	0	121
	10	141	16	16	37	0	223	16	48	152	0	0	562
	11	0	0	0	0	0	0	0	0	0	0	0	0
Total	1504	908	412	4297	0	3444	420	82	479	817	0	12363	

		HMBs											
		1	2	3	4	5	6	7	8	9	10	11	Total
RECEIVE	1	0	23	24	201	0	6	12	0	0	20	0	285
	2	16	0	0	0	0	77	9	0	0	0	0	32
	3	16	0	0	50	0	16	1	0	0	1	0	84
	4	521	0	27	2	0	107	5	0	0	8	0	670
	5	0	0	0	0	0	0	0	0	0	0	0	0
	6	8	16	14	434	0	0	5	0	0	10	0	547
	7	11	22	0	11	0	0	0	0	0	0	0	44
	8	0	0	0	0	0	0	0	0	0	0	0	0
	9	0	0	0	0	0	0	0	0	0	0	0	0
	10	21	0	0	0	0	11	9	1	0	0	0	52
	11	0	0	0	0	0	0	0	0	0	0	0	0
Total	283	60	85	747	0	347	41	1	0	39	0	1513	

		Total											
		1	2	3	4	5	6	7	8	9	10	11	Total
RECEIVE	1	0	424	88	1284	0	42	58	9	77	456	0	2478
	2	334	0	11	10	0	168	297	0	2	14	0	836
	3	62	4	0	245	0	132	2	1	8	47	0	498
	4	977	8	184	38	0	1091	58	1	8	49	0	4412
	5	0	0	0	0	0	0	0	0	0	0	0	0
	6	58	234	185	3318	0	13	10	6	42	245	0	4117
	7	61	274	1	99	0	1	1	0	2	9	0	448
	8	12	2	2	3	0	10	1	0	189	26	0	264
	9	30	4	4	7	0	45	4	17	0	10	0	121
	10	141	16	16	37	0	242	20	48	151	0	0	722
	11	0	0	0	0	0	0	0	0	0	0	0	0
Total	1697	903	497	5046	0	3791	461	83	479	856	0	13871	

		HMBs											
		1	2	3	4	5	6	7	8	9	10	11	Total
RECEIVE	1	0.0%	5.2%	27.8%	15.7%	0.0%	7.3%	20.7%	0.0%	0.0%	4.4%	0.0%	2478
	2	4.8%	0.0%	0.0%	0.0%	0.0%	4.2%	3.0%	0.0%				

		LMBs											
		1	2	3	4	5	6	7	8	9	10	11	Total
SOUTH	1	0	282	73	653								1317
	2	464	0	24	8	170	300	1	2	16			885
	3	77	5	0	214	154	0	1	3	21			475
	4	1547	6	672	38	4017	49	3	6	49			5487
	5												0
	6	50	154	183	3058	7	14	10	19	148			3643
	7	30	205	0	23	1	1	0	1	6			287
	8	12	1	1	1	1	1	0	35	121			136
	9	48	3	2	4	30	2	20	0	88			197
	10	186	10	8	8	124	7	115	130	0			560
	11												0
Total	2014	671	463	4031	0	4572	392	108	241	643	0	13167	

		LMBs											
		1	2	3	4	5	6	7	8	9	10	11	Total
SOUTH	1	7	441	89	714	75	25	10	20	179			1555
	2	817	0	25	10	178	368	1	1	11			1211
	3	91	4	0	172	130	6	1	1	11			422
	4	1333	2	114	67	4244	40	1	7	60			5910
	5												0
	6	39	189	165	3174	16	22	17	24	220			3901
	7	27	220	1	21	0	3	0	1	8			283
	8	14	0	1	1	7	0	0	35	123			136
	9	33	1	2	3	29	1	20	0	88			197
	10	208	6	11	9	120	5	115	130	0			562
	11												0
Total	2514	885	428	4193	0	4855	474	158	240	700	0	14483	

		HGVs											
		1	2	3	4	5	6	7	8	9	10	11	Total
SOUTH	1	0	13	24	99								154
	2	20	0	0	2	8	12	0	0	1			34
	3	29	2	0	46	15	0	0	0	4			96
	4	217	0	35	6	580	5	0	0	5			848
	5												0
	6	6	4	0	0	2	4	0	0	6			16
	7	5	24	0	4	0	3	0	0	0			36
	8	0	0	0	0	0	0	0	0	2			2
	9	0	0	0	0	0	0	0	0	0			0
	10	15	1	0	7	4	1	1	0	0			26
	11												0
Total	278	44	97	514	0	616	33	1	0	23	0	1606	

		HGVs											
		1	2	3	4	5	6	7	8	9	10	11	Total
SOUTH	1	0	13	6	80								101
	2	10	0	0	0	4	2	0	0	1			19
	3	14	0	0	43	30	0	0	0	2			89
	4	132	4	47	0	447	5	0	0	3			638
	5												0
	6	4	9	12	101	1	1	0	0	1			149
	7	5	12	0	6	0	0	0	0	1			24
	8	0	0	0	0	0	0	0	0	2			2
	9	0	0	0	0	0	0	0	0	0			0
	10	10	0	0	4	4	0	1	0	0			12
	11												0
Total	275	38	88	434	0	491	18	1	0	19	0	1264	

		Total											
		1	2	3	4	5	6	7	8	9	10	11	Total
SOUTH	1	0	299	97	758								1461
	2	474	0	24	10	179	312	1	2	17			1019
	3	106	7	0	250	169	0	1	1	25			571
	4	1364	6	207	44	4597	54	3	6	54			6335
	5												0
	6	56	158	221	3408	9	18	10	19	154			4051
	7	35	229	0	27	1	4	0	1	6			309
	8	12	1	1	1	7	1	0	35	125			138
	9	48	3	2	4	30	2	20	0	88			197
	10	197	11	6	45	120	8	112	130	0			618
	11												0
Total	2292	711	560	4527	0	5188	425	159	241	666	0	14771	

		Total											
		1	2	3	4	5	6	7	8	9	10	11	Total
SOUTH	1	7	454	75	814	80	35	10	20	186			1676
	2	827	0	25	10	182	370	1	1	14			1310
	3	105	4	0	213	166	6	1	1	13			511
	4	1465	0	201	67	4091	45	3	7	61			6548
	5												0
	6	83	188	197	3476	17	23	12	24	221			4250
	7	32	232	1	29	0	3	0	1	9			309
	8	14	0	1	1	7	0	0	35	125			138
	9	33	1	2	3	29	1	20	0	88			197
	10	218	0	14	13	124	9	112	130	0			788
	11												0
Total	2699	903	516	4627	0	3346	492	159	240	719	0	15701	

		HGVs											
		1	2	3	4	5	6	7	8	9	10	11	Total
SOUTH	1	0.0%	4.0%	24.7%	13.1%								
	2	2.1%	0.0%	0.0%	20.0%	5.0%	3.8%	0.0%	0.0%	5.9%			
	3	27.4%	28.6%	0.0%	16.0%	8.9%	0.0%	0.0%	0.0%	16.0%			
	4	15.9%	0.0%	16.9%	13.6%	12.0%	9.3%	0.0%	0.0%	9.3%			
	5												
	6	16.7%	2.6%	17.2%	16.3%	22.2%	22.2%	0.0%	0.0%	3.9%			
	7	14.3%	10.5%	0.0%	14.8%	0.0%	7.5%	0.0%	0.0%	0.0%			
	8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
	9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
	10	5.6%	10.7%	0.0%	16.7%	3.1%	13.5%	0.0%	0.0%	0.0%			
	11												
Total													

		HGVs											
		1	2	3	4	5	6	7	8	9	10	11	Total
SOUTH	1	0.0%	2.0%	8.0%	8.8%								
	2	1.6%	0.0%	0.0%	0.0%	2.2%	0.5%	0.0%	0.0%	21.4%			
	3	13.3%	0.0%	0.0%	20.0%	18.1%	0.0%	0.0%	0.0%	15.4%			
	4	9.0%	0.0%	0.0%	0.0%	9.5%	11.1%	0.0%	0.0%	4.8%			
	5												
	6	4.8%	4.5%	16.2%	8.7%	5.9%	4.3%	0.0%	0.0%	0.5%			
	7	15.6%	12.0%	0.0%	20.7%	0.0%	0.0%	0.0%	0.0%	11.1%			
	8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
	9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
	10	2.5%	0.0%	21.0%	26.9%	2.2%	0.0%	0.0%	0.0%	0.0%			
	11												
Total													

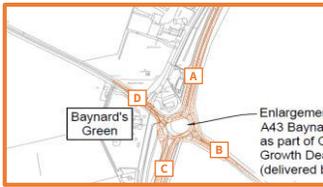
		PCUs											
		1	2	3	4	5	6	7	8	9	10	11	Total
SOUTH	1	0	811	121	857								1635
	2	484	0	24	12	188	324	1	2	16			1063
	3	135	9	0	386	184	0	1	3	29			697
	4	1581	6	242	50	5177	59	3	6	59			7183
	5												0
	6	62	162	250	3758	11	22	10	19	160			4463
	7	40	253	0	31	1	7	0	1	6			310
	8	12	1	1	1	7	1	0	50	127			200
	9	48	3	2	4	30	2	20	0	88			197
	10	208	14	8	23	122	8	112	136	0			633
	11												0
Total	2570	709	657	5041	0	5804	458	160	245	689	0	16379	

		PCUs											
		1	2	3	4	5	6	7	8	9	10	11	Total
SOUTH	1	2	467	81	894								1727
	2	837	0	23	10	186	373	1	1	17			1249
	3	119	4	0	258	196	6	1	1	15			600
	4	1597	10	248	67	5138	50	3	7	66			7186
	5												0
	6	87	207	220	3776	18	24	12	24	222			4609
	7	37	264	1	35	0	3	0	1	10			311
	8	14	0	1	1	7	0	0	50	127			200
	9</												

APPENDIX B

2031 REFERENCE CASE TRAFFIC FLOW DIAGRAMS

M40 J10: Baynards Green Roundabout



Traffic Flow Set: **BaynardsRef1_AM**

0645-0745

Lights					
	A	B	C	D	Total
A	0	416	1851	44	2311
B	350	0	187	210	747
C	932	289	0	70	1291
D	36	180	83	0	299
Total	1318	885	2121	324	4648

HGVs					
	A	B	C	D	Total
A	0	13	246	5	264
B	13	0	7	12	32
C	200	12	0	13	225
D	8	8	13	1	30
Total	221	33	266	31	551

Total Vehs					
	A	B	C	D	Total
A	0	429	2097	49	2575
B	363	0	194	222	779
C	1132	301	0	83	1516
D	44	188	96	1	329
Total	1539	918	2387	355	5199

HGV%					
	A	B	C	D	Total
A	0.0%	3.0%	11.7%	10.2%	
B	3.6%	0.0%	3.6%	5.4%	
C	17.7%	4.0%	0.0%	15.7%	
D	18.2%	4.3%	13.5%	100%	
Total					

0745-0845

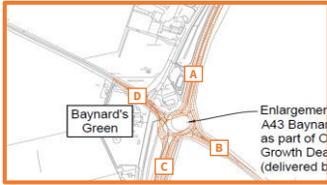
Lights					
	A	B	C	D	Total
A	0	402	1745	46	2193
B	318	0	198	288	804
C	1136	255	0	85	1476
D	50	252	101	1	404
Total	1504	909	2044	420	4877

HGVs					
	A	B	C	D	Total
A	0	22	251	12	285
B	16	0	7	9	32
C	166	16	0	20	202
D	11	22	11	0	44
Total	193	60	269	41	563

Total Vehs					
	A	B	C	D	Total
A	0	424	1996	58	2478
B	334	0	205	297	836
C	1302	271	0	105	1678
D	61	274	112	1	448
Total	1697	969	2313	461	5440

HGV%					
	A	B	C	D	Total
A	0.0%	5.2%	12.6%	20.7%	
B	4.8%	0.0%	3.4%	3.0%	
C	12.7%	5.9%	0.0%	19.0%	
D	18.0%	8.0%	9.8%	0.0%	
Total					

M40 J10: Baynards Green Roundabout



Traffic Flow Set: BaynardsRef1_PM

1530-1630

Lights					
	A	B	C	D	Total
A	0	287	1022	18	1327
B	464	0	221	300	985
C	1520	179	0	73	1772
D	30	205	31	1	267
Total	2014	671	1274	392	4351

HGVs					
	A	B	C	D	Total
A	0	12	134	8	154
B	10	0	12	12	34
C	263	8	0	10	281
D	5	24	4	3	36
Total	278	44	150	33	505

Total Vehs					
	A	B	C	D	Total
A	0	299	1156	26	1481
B	474	0	233	312	1019
C	1783	187	0	83	2053
D	35	229	35	4	303
Total	2292	715	1424	425	4856

HGV%					
	A	B	C	D	Total
A	0.0%	4.0%	11.6%	30.8%	
B	2.1%	0.0%	5.2%	3.8%	
C	14.8%	4.3%	0.0%	12.0%	
D	14.3%	10.5%	11.4%	75.0%	
Total					

1630-1730

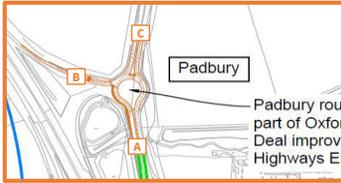
Lights					
	A	B	C	D	Total
A	2	441	1087	25	1555
B	617	0	226	368	1211
C	1878	204	0	78	2160
D	27	220	33	3	283
Total	2524	865	1346	474	5209

HGVs					
	A	B	C	D	Total
A	0	13	98	10	121
B	10	0	7	2	19
C	160	13	0	6	179
D	5	12	7	0	24
Total	175	38	112	18	343

Total Vehs					
	A	B	C	D	Total
A	2	454	1185	35	1676
B	627	0	233	370	1230
C	2038	217	0	84	2339
D	32	232	40	3	307
Total	2699	903	1458	492	5552

HGV%					
	A	B	C	D	Total
A	0.0%	2.9%	8.3%	28.6%	
B	1.6%	0.0%	3.0%	0.5%	
C	7.9%	6.0%	0.0%	7.1%	
D	15.6%	5.2%	17.5%	0.0%	
Total					

M40 J10: Padbury Roundabout



Traffic Flow Set: PadburyRef1_AM

0645-0745

Lights				
	A	B	C	Total
A	0	0	1000	1000
B	368	0	291	659
C	2121	0	0	2121
Total	2489	0	1291	3780

HGVs				
	A	B	C	Total
A	0	0	201	201
B	43	0	24	67
C	266	0	0	266
Total	309	0	225	534

Total Vehs				
	A	B	C	Total
A	0	0	1201	1201
B	411	0	315	726
C	2387	0	0	2387
Total	2798	0	1516	4314

HGV%				
	A	B	C	Total
A	0.0%	0.0%	16.7%	
B	10.5%	0.0%	7.6%	
C	11.1%	0.0%	0.0%	
Total				

0745-0845

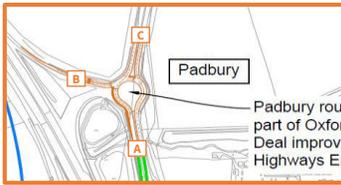
Lights				
	A	B	C	Total
A	0	0	1197	1197
B	447	0	279	726
C	2044	0	0	2044
Total	2491	0	1476	3967

HGVs				
	A	B	C	Total
A	0	0	173	173
B	44	0	29	73
C	269	0	0	269
Total	313	0	202	515

Total Vehs				
	A	B	C	Total
A	0	0	1370	1370
B	491	0	308	799
C	2313	0	0	2313
Total	2804	0	1678	4482

HGV%				
	A	B	C	Total
A	0.0%	0.0%	12.6%	
B	9.0%	0.0%	9.4%	
C	11.6%	0.0%	0.0%	
Total				

M40 J10: Padbury Roundabout



Traffic Flow Set: PadburyRef1_PM

1530-1630

Lights				
	A	B	C	Total
A	0	0	1554	1554
B	367	0	218	585
C	1274	0	0	1274
Total	1641	0	1772	3413

HGVs				
	A	B	C	Total
A	0	0	267	267
B	46	0	14	60
C	150	0	0	150
Total	196	0	281	477

Total Vehs				
	A	B	C	Total
A	0	0	1821	1821
B	413	0	232	645
C	1424	0	0	1424
Total	1837	0	2053	3890

HGV%				
	A	B	C	Total
A	0.0%	0.0%	14.7%	
B	11.1%	0.0%	6.0%	
C	10.5%	0.0%	0.0%	
Total				

1630-1730

Lights				
	A	B	C	Total
A	0	0	1870	1870
B	437	0	290	727
C	1346	0	0	1346
Total	1783	0	2160	3943

HGVs				
	A	B	C	Total
A	0	0	165	165
B	34	0	14	48
C	112	0	0	112
Total	146	0	179	325

Total Vehs				
	A	B	C	Total
A	0	0	2035	2035
B	471	0	304	775
C	1458	0	0	1458
Total	1929	0	2339	4268

HGV%				
	A	B	C	Total
A	0.0%	0.0%	8.1%	
B	7.2%	0.0%	4.6%	
C	7.7%	0.0%	0.0%	
Total				

M40 J10: Cherwell Roundabout



Traffic Flow Set: CherwellRef1_AM

0645-0745

Lights					
	A	B	C	D	Total
A	0	201	1166	1122	2489
B	63	0	164	125	352
C					0
D	937	194	90	0	1221
Total	1000	395	1420	1247	4062

HGVs					
	A	B	C	D	Total
A	0	50	231	22	303
B	12	0	55	24	91
C					0
D	189	31	10	0	230
Total	201	81	296	46	624

Total Vehs					
	A	B	C	D	Total
A	0	251	1397	1144	2792
B	75	0	219	149	443
C	0	0	0	0	0
D	1126	225	100	0	1451
Total	1201	476	1716	1293	4686

HGV%					
	A	B	C	D	Total
A	0.0%	19.9%	16.5%	1.9%	
B	16.0%	0.0%	25.1%	16.1%	
C	0.0%	0.0%	0.0%	0.0%	
D	16.8%	13.8%	10.0%	0.0%	
Total					

0745-0845

Lights					
	A	B	C	D	Total
A	0	227	1181	1083	2491
B	51	0	195	168	414
C					0
D	1146	185	79	0	1410
Total	1197	412	1455	1251	4315

HGVs					
	A	B	C	D	Total
A	0	58	212	43	313
B	17	0	50	17	84
C					0
D	156	27	11	0	194
Total	173	85	273	60	591

Total Vehs					
	A	B	C	D	Total
A	0	285	1393	1126	2804
B	68	0	245	185	498
C	0	0	0	0	0
D	1302	212	90	0	1604
Total	1370	497	1728	1311	4906

HGV%					
	A	B	C	D	Total
A	0.0%	20.4%	15.2%	3.8%	
B	25.0%	0.0%	20.4%	9.2%	
C	0.0%	0.0%	0.0%	0.0%	
D	12.0%	12.7%	12.2%	0.0%	
Total					

M40 J10: Cherwell Roundabout



Traffic Flow Set: CherwellRef1_PM

1530-1630

Lights					
	A	B	C	D	Total
A	0	280	690	671	1641
B	82	0	214	179	475
C					0
D	1472	183	51	0	1706
Total	1554	463	955	850	3822

HGVs					
	A	B	C	D	Total
A	0	62	105	21	188
B	31	0	46	19	96
C					0
D	236	35	13	0	284
Total	267	97	164	40	568

Total Vehs					
	A	B	C	D	Total
A	0	342	795	692	1829
B	113	0	260	198	571
C	0	0	0	0	0
D	1708	218	64	0	1990
Total	1821	560	1119	890	4390

HGV%					
	A	B	C	D	Total
A	0.0%	18.1%	13.2%	3.0%	
B	27.4%	0.0%	17.7%	9.6%	
C	0.0%	0.0%	0.0%	0.0%	
D	13.8%	16.1%	20.3%	0.0%	
Total					

1630-1730

Lights					
	A	B	C	D	Total
A	0	260	767	756	1783
B	101	0	172	149	422
C					0
D	1769	168	80	0	2017
Total	1870	428	1019	905	4222

HGVs					
	A	B	C	D	Total
A	0	38	86	22	146
B	14	0	43	32	89
C					0
D	151	50	4	0	205
Total	165	88	133	54	440

Total Vehs					
	A	B	C	D	Total
A	0	298	853	778	1929
B	115	0	215	181	511
C	0	0	0	0	0
D	1920	218	84	0	2222
Total	2035	516	1152	959	4662

HGV%					
	A	B	C	D	Total
A	0.0%	12.8%	10.1%	2.8%	
B	12.2%	0.0%	20.0%	17.7%	
C	0.0%	0.0%	0.0%	0.0%	
D	7.9%	22.9%	4.8%	0.0%	
Total					

M40 J10: Padbury Roundabout



Traffic Flow Set: ArdleyRef1_AM

0645-0745

Lights				
	A	B	C	Total
A	0	269	315	584
B	986	0	261	1247
C	38	952	0	990
Total	1024	1221	576	2821

HGVs				
	A	B	C	Total
A	0	40	7	47
B	16	0	36	52
C	9	190	0	199
Total	25	230	43	298

Total Vehs				
	A	B	C	Total
A	0	309	322	631
B	1002	0	297	1299
C	47	1142	0	1189
Total	1049	1451	619	3119

HGV%				
	A	B	C	Total
A	0.0%	12.9%	2.2%	
B	1.6%	0.0%	12.1%	
C	19.1%	16.6%	0.0%	
Total				

0745-0845

Lights				
	A	B	C	Total
A	0	300	296	596
B	887	0	364	1251
C	50	1110	0	1160
Total	937	1410	660	3007

HGVs				
	A	B	C	Total
A	0	39	11	50
B	31	0	29	60
C	8	155	0	163
Total	39	194	40	273

Total Vehs				
	A	B	C	Total
A	0	339	307	646
B	918	0	393	1311
C	58	1265	0	1323
Total	976	1604	700	3280

HGV%				
	A	B	C	Total
A	0.0%	11.5%	3.6%	
B	3.4%	0.0%	7.4%	
C	13.8%	12.3%	0.0%	
Total				

M40 J10: Padbury Roundabout



Traffic Flow Set: ArdleyRef1_PM

1530-1630

Lights				
	A	B	C	Total
A	0	294	161	455
B	456	0	394	850
C	58	1412	0	1470
Total	514	1706	555	2775

HGVs				
	A	B	C	Total
A	0	21	4	25
B	16	0	32	48
C	5	263	0	268
Total	21	284	36	341

Total Vehs				
	A	B	C	Total
A	0	315	165	480
B	472	0	426	898
C	63	1675	0	1738
Total	535	1990	591	3116

HGV%				
	A	B	C	Total
A	0.0%	6.7%	2.4%	
B	3.4%	0.0%	7.5%	
C	7.9%	15.7%	0.0%	
Total				

1630-1730

Lights				
	A	B	C	Total
A	0	421	206	627
B	500	0	405	905
C	70	1596	0	1666
Total	570	2017	611	3198

HGVs				
	A	B	C	Total
A	0	17	4	21
B	14	0	40	54
C	3	188	0	191
Total	17	205	44	266

Total Vehs				
	A	B	C	Total
A	0	438	210	648
B	514	0	445	959
C	73	1784	0	1857
Total	587	2222	655	3464

HGV%				
	A	B	C	Total
A	0.0%	3.9%	1.9%	
B	2.7%	0.0%	9.0%	
C	4.1%	10.5%	0.0%	
Total				

APPENDIX C

2031 DO SOMETHING O/D TRAFFIC FLOW MATRICES

Dev	Lights											Total
	1	2	3	4	5	6	7	8	9	10	11	
1											17.6%	
2											0.0%	
3											0.0%	
4											23.3%	
5												
6											15.6%	
7											0.0%	
8											0.0%	
9											0.0%	
10											43.5%	
11	17.6%	0.0%	0.0%	23.3%		15.6%	0.0%	0.0%	0.0%	43.5%		100%
Total											100%	

Dev	HGVs											Total
	1	2	3	4	5	6	7	8	9	10	11	
1											32.1%	
2											0.0%	
3											0.0%	
4											49.5%	
5												
6											18.1%	
7											0.0%	
8											0.0%	
9											0.0%	
10											0.3%	
11	32.1%	0.0%	0.0%	49.5%		18.1%	0.0%	0.0%	0.0%	0.3%		100%
Total											100%	

Table 7: Trip Distribution Pattern

	Lights											Total
	1	2	3	4	5	6	7	8	9	10	11	
1					5						159	
2											0	
3											0	
4											210	
5												
6											141	
7											0	
8											0	
9											0	
10											393	
11	17	0	0	23			15	0	0	0	42	0
Total											903	

	HGVs											Total
	1	2	3	4	5	6	7	8	9	10	11	
1					5						55	
2											0	
3											0	
4											85	
5												
6											31	
7											0	
8											0	
9											0	
10											1	
11	51	0	0	79			29	0	0	0	0	0
Total											172	

	Lights											Total
	1	2	3	4	5	6	7	8	9	10	11	
1					5						52	
2											0	
3											0	
4											69	
5												
6											46	
7											0	
8											0	
9											0	
10											130	
11	183	0	0	242			161	0	0	0	452	0
Total											297	

	HGVs											Total
	1	2	3	4	5	6	7	8	9	10	11	
1					5						50	
2											0	
3											0	
4											78	
5												
6											29	
7											0	
8											0	
9											0	
10											0	
11	46	0	0	71			26	0	0	0	0	0
Total											157	

Table 8: Total Development Vehicle Trips

Direction	LMBs											HBVs											Total											PCMs														
	1	2	3	4	5	6	7	8	9	10	11	Total	1	2	3	4	5	6	7	8	9	10	11	Total	1	2	3	4	5	6	7	8	9	10	11	Total	1	2	3	4	5	6	7	8	9	10	11	Total
N	1	0	416	55	1050	33	44	11	90	570	159	2470	1	0	13	13	215	7	5	0	0	11	55	310	1	0	429	68	1107	40	48	11	90	581	214	2769	1	0	442	83	1527	6	7	8	9	10	11	3108
	2	350	0	0	6	148	210	1	4	27	0	747	2	13	0	0	7	4	12	0	0	0	0	32	2	363	0	0	77	213	222	1	4	27	0	775	2	376	0	0	12	157	214	1	4	27	0	811
	3	32	22	0	164	64	9	1	8	52	0	332	3	10	0	0	53	24	2	0	0	0	0	93	3	42	22	0	233	88	15	1	8	52	0	445	3	52	22	0	274	112	13	1	8	52	0	534
	4	699	6	173	40	2576	34	1	7	30	210	3776	4	150	0	28	4	400	8	0	0	0	9	85	4	849	6	201	44	2976	42	1	7	39	295	4460	4	999	6	220	48	3376	50	1	7	48	380	5144
	5	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	1	0	0	0	0	1	769	5	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0					
	6	39	244	545	3212	14	11	3	28	178	141	4602	6	12	12	37	671	1	0	0	0	1	31	769	6	2353	476	2024	1739	67	6	0	0	0	0	1739	6	63	265	210	4654	16	11	3	28	188	203	5550
	7	36	140	1	68	3	0	0	2	11	0	299	7	8	8	0	13	0	1	0	0	0	0	30	7	44	188	1	81	1	1	0	18	11	0	326	7	53	206	1	94	1	2	0	2	11	0	359
	8	12	1	1	4	20	1	0	189	26	0	254	8	0	0	0	0	0	0	0	0	0	0	0	8	12	1	1	4	20	1	0	189	26	0	254	8	12	1	1	4	20	1	0	189	26	0	254
	9	28	3	4	8	48	3	17	0	10	0	121	9	0	0	0	0	0	0	0	0	0	0	0	9	28	3	4	8	48	3	17	0	10	0	121	9	28	3	4	8	48	3	17	0	10	0	121
	10	133	16	16	38	237	12	48	151	0	203	1043	10	18	0	1	0	7	3	1	0	0	1	49	10	150	20	19	44	254	15	40	123	0	364	1093	10	178	16	22	50	261	18	19	151	0	366	1343
	11	17	0	0	23	15	0	0	0	42	0	97	11	11	0	0	79	19	0	0	0	0	0	159	11	17	0	0	102	44	0	0	0	42	0	256	11	11	0	0	181	73	0	0	0	43	0	415
Total	1335	885	895	4653	3187	324	62	479	946	903	13171	Total	272	33	81	1046	472	31	1	0	25	172	2133	Total	1607	928	476	5701	3639	355	83	479	971	1075	15304	Total	1879	951	557	6747	4111	386	84	479	996	1247	17403	
S	1	0	402	64	1051	76	46	9	77	438	159	2352	1	0	22	24	201	6	12	0	0	20	55	840	1	0	424	88	1284	42	58	9	77	456	214	2620	1	0	446	110	1485	6	7	8	9	10	11	3012
	2	318	0	11	10	163	248	0	2	14	0	804	2	16	0	0	0	77	9	0	0	0	0	32	2	334	0	11	10	168	297	0	2	14	0	836	2	350	0	13	10	175	308	0	2	14	0	868
	3	46	4	0	193	133	1	1	8	46	0	414	3	16	0	0	50	16	1	0	0	1	0	84	3	62	4	0	205	132	2	1	8	47	0	498	3	78	4	0	295	145	1	1	8	49	0	592
	4	836	8	157	35	2784	53	1	8	41	210	4154	4	221	0	27	2	307	5	0	0	0	8	83	4	977	8	184	33	3091	58	1	8	49	295	4707	4	1098	8	211	40	3398	63	1	8	57	180	5204
	5	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	5	0	0	0	10	11	5	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0					
	6	51	218	515	2844	13	10	6	42	235	141	3711	6	8	16	34	434	0	0	0	0	0	0	44	6	58	234	185	3318	13	15	6	42	245	172	4289	6	67	250	210	3792	13	10	6	42	255	203	4867
	7	50	252	1	88	3	1	0	2	0	0	404	7	11	22	0	11	0	0	0	0	0	0	44	7	61	274	1	99	1	1	0	18	9	0	448	7	72	206	1	110	1	1	0	2	9	0	492
	8	12	2	2	3	19	1	0	189	26	0	254	8	0	0	0	0	0	0	0	0	0	0	0	8	12	2	2	3	19	1	0	189	26	0	254	8	12	2	2	3	19	1	0	189	26	0	254
	9	30	4	4	7	45	4	17	0	10	0	121	9	0	0	0	0	0	0	0	0	0	0	0	9	30	4	4	7	45	4	17	0	10	0	121	9	30	4	4	7	45	4	17	0	10	0	121
	10	141	16	16	32	233	16	48	152	0	203	1055	10	21	0	0	0	11	9	1	0	0	1	52	10	142	20	21	43	142	20	40	123	0	364	1103	10	148	16	22	51	264	18	19	151	0	366	1359
	11	17	0	0	23	15	0	0	0	42	0	97	11	11	0	0	79	19	0	0	0	0	0	159	11	17	0	0	102	44	0	0	0	42	0	256	11	11	0	0	181	73	0	0	0	43	0	415
Total	1521	909	412	4322	3429	420	62	479	859	903	13364	Total	244	60	85	826	376	41	1	0	39	172	1844	Total	1765	969	497	5348	3835	461	83	479	898	1075	15210	Total	2009	1029	582	5974	4211	502	84	479	937	1247	17954	

Table 9: 2021 Do Something Traffic Flows - AM Peak

Direction	LMBs											HBVs											Total											HBVs											PCMs										
	1	2	3	4	5	6	7	8	9	10	11	Total	1	2	3	4	5	6	7	8	9	10	11	Total	1	2	3	4	5	6	7	8	9	10	11	Total	1	2	3	4	5	6	7	8	9	10	11	Total							
SOUTH	1	0	287	73	653	62	18	17	24	192	53	1379	1	0	13	24	99	6	6	0	0	1	55	209	1	0	299	97	758	68	26	12	24	197	107	1588	1	0	311	121	857	74	34	12	24	202	162	1797							
	2	484	0	24	8	170	300	1	2	16	0	885	2	10	0	0	7	8	12	0	0	1	0	34	2	474	0	24	10	179	312	1	2	17	0	1010	2	484	0	24	12	188	324	1	2	16	0	1063							
	3	77	5	0	214	154	0	1	3	21	0	475	3	29	2	0	46	15	0	0	0	4	0	96	3	106	7	0	250	149	0	1	3	25	0	374	3	135	8	0	386	184	0	1	3	29	0	667							
	4	1147	6	672	38	4017	49	3	6	49	69	5556	4	217	0	35	6	580	5	0	0	0	5	85	933	4	1364	6	207	44	4597	54	3	6	54	154	6489	4	1581	6	242	50	5177	59	3	6	59	239	7422						
	5	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0												
	6	59	154	183	3058	7	14	10	19	148	48	3689	6	4	4	38	359	7	4	0	0	6	31	441	6	56	158	221	3689	9	18	10	19	154	77	4130	6	62	162	250	3758	11	22	10	19	160	108	4971							
	7	30	205	0	33	1	1	0	1	6	0	287	7	5	24	0	4	0	3	0	0	0	0	36	7	35	229	0	27	1	4	0	1	6	0	305	7	40	253	0	31	1	7	0	1	6	0	338							
	8	32	1	1	1	1	1	0	39	137	0	196	8	0	0	0	0	0	0	0	0	2	0	2	8	32	1	1	1	7	1	0	30	125	0	196	8	32	1	1	1	7	1	0	30	125	0	200							
	9	48	3	2	4	30	2	20	0	88	0	197	9	0	0	0	0	0	0	0	0	0	0	0	9	48	3	2	4	30	2	20	0	88	0	197	9	48	3	2	4	30	2	20	0	88	0	197							
	10	136	10	8	8	124	7	11	128	0	120	729	10	11	2	0	7	4	1	1	0	0	1	27	10	136	10	8	8	126	8	11	128	0	124	747	10	208	14	8	22	123	8	11	126	0	124	734							
11	183	0	0	242	181	0	0	0	452	0	1038	11	11	0	0	79	19	0	0	0	0	0	150	11	183	0	0	242	180	0	0	0	452	0	1107	11	183	0	0	400	215	0	0	0	452	0	1316								
Total	2197	671	463	4251	4733	392	158	241	2095	297	14502	Total	329	44	97	593	645	33	3	0	23	172	1937	Total	2526	711	560	4848	3378	425	159	241	1118	405	16433	Total	2855	759	657	5441	6023	458	160	241	1141	641	18376								
NORTH	1	2	3	4	5	6	7	8	9	10	11	Total	1	2	3	4	5	6	7	8	9	10	11	Total	1	2	3	4	5	6	7	8	9	10	11	Total	1	2	3	4	5	6	7	8	9	10	11	Total							
	1	7	441	69	714	75	25	10	20	179	57	1607	1	0	13	6	80	1	10	0	0	7	50	171	1	2	454	75	814	80	35	10	20	186	109	1778	1	0	13	6	80	85	45	10	20	191	152	1649							
	2	637	0	25	10	178	368	1	1	11	0	1211	2	10	0	0	0	4	2	0	0	1	0	19	2	627	0	25	10	182	370	1	1	14	0	1310	2	637	0	25	10	186	373	1	1	17	0	1249							
	3	91	4	0	172	139	6	1	1	11	0	422	3	14	0	0	43	30	0	0	0	2	0	89	3	105	4	0	213	166	6	1	1	13	0	511	3	119	4	0	218	196	6	1	1	15	0	600							
	4	1333	2	134	67	4244	40	3	7	60	69	5979	4	532	4	47	0	447	5	0	0	0	3	78	716	4	1465	0	201	67	4091	45	3	7	63	147	6650	4	1597	10	248	67	5138	50	3	7	66	225	7411						
	5	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0												
	6	79	189	165	1174	16	22	17	24	200	48	3947	6	4	9	32	301	1	1	0	0	1	29	378	6	83	198	187	1676	17	23	12	24	221	75	4326	6	87	207	220	3776	18	24	12	24	222	104	4769							
	7	27	220	1	33	0	3	0	1	8	0	283	7	5	12	0	6	0	0	0	0	1	0	24	7	32	232	1	29	0	3	0	1	9	0	307	7	37	244	1	35	0	3	0	1	10	0	331							
	8	34	0	1	1	7	1	0	39	133	0	196	8	0	0	0	0	0	0	0	0	2	0	2	8	34	0	1	1	7	0	0	30	125	0	196	8	34	0	1	1	7	0	0	30	127	0	200							
	9	33	1	2	3	29	1	20	0	88	0	197	9	0	0	0	0	0	0	0	0	0	0	0	9	33	1	2	3	29	1	20	0	88	0	197	9	33	1	2	3	29	1	20	0	88	0	197							
10	208	6	11	9	179	9	11	126	0	120	802	10	10	0	2	4	4	0	1	0	0	0	22	10	208	6	11	9	174	9	11	126	0	120	824	10	216	6	12	17	178	9	11	126	0	120	826								
11	183	0	0	242	181	0	0	0	452	0	1038	11	16	0	0	71	16	0	0	0	0	0	143	11	183	0	0	242	187	0	0	0	452	0	1181	11	202	0	0	384	215	0	0	0	452	0	1324								
Total	2707	885	428	4435	5016	474	158	240	2152	297	15772	Total	221	38	88	505	517	18	1	0	19	157	1564	Total	2928	903	516	4940	3533	492	159	240	1171	404	17331	Total	3149	941	604	5445	6050	510	160	240	1190	611	18800								

Table 10- 2021 Do Something Traffic Flows - PM Peak

APPENDIX D

2031 DO SOMETHING TRAFFIC FLOW DIAGRAMS

M40 J10: Baynards Green Roundabout

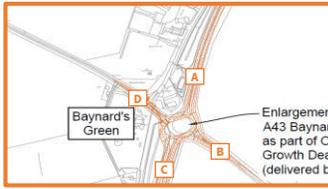


Diagram No: 1
 Traffic Flow Set: Baynards1_AM
 Strategic Options: All

0645-0745

Lights					
	A	B	C	D	Total
A	0	416	2010	44	2470
B	350	0	187	210	747
C	949	289	0	70	1308
D	36	180	83	0	299
Total	1335	885	2280	324	4824

HGVs					
	A	B	C	D	Total
A	0	13	301	5	319
B	13	0	7	12	32
C	251	12	0	13	276
D	8	8	13	1	30
Total	272	33	321	31	657

Total Vehs					
	A	B	C	D	Total
A	0	429	2311	49	2789
B	363	0	194	222	779
C	1200	301	0	83	1584
D	44	188	96	1	329
Total	1607	918	2601	355	5481

HGV%					
	A	B	C	D	Total
A	0.0%	3.0%	13.0%	10.2%	
B	3.6%	0.0%	3.6%	5.4%	
C	20.9%	4.0%	0.0%	15.7%	
D	18.2%	4.3%	13.5%	100%	
Total					

PCUs					
	A	B	C	D	Total
A	0	442	2612	54	3108
B	0	0	201	234	435
C	1451	313	0	96	1860
D	52	196	109	2	359
Total	1503	951	2922	386	5762

0745-0845

Lights					
	A	B	C	D	Total
A	0	402	1904	46	2352
B	318	0	198	288	804
C	1153	255	0	85	1493
D	50	252	101	1	404
Total	1521	909	2203	420	5053

HGVs					
	A	B	C	D	Total
A	0	22	306	12	340
B	16	0	7	9	32
C	217	16	0	20	253
D	11	22	11	0	44
Total	244	60	324	41	669

Total Vehs					
	A	B	C	D	Total
A	0	424	2210	58	2692
B	334	0	205	297	836
C	1370	271	0	105	1746
D	61	274	112	1	448
Total	1765	969	2527	461	5722

HGV%					
	A	B	C	D	Total
A	0.0%	5.2%	13.8%	20.7%	
B	4.8%	0.0%	3.4%	3.0%	
C	15.8%	5.9%	0.0%	19.0%	
D	18.0%	8.0%	9.8%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	446	2516	70	3032
B	350	0	212	306	868
C	1587	287	0	125	1999
D	72	296	123	1	492
Total	2009	1029	2851	502	6391

M40 J10: Baynards Green Roundabout

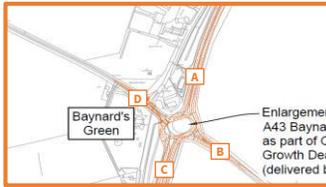


Diagram No: 2
 Traffic Flow Set: Baynards1_PM
 Strategic Options: All

1530-1630

Lights					
	A	B	C	D	Total
A	0	287	1074	18	1379
B	464	0	221	300	985
C	1703	179	0	73	1955
D	30	205	31	1	267
Total	2197	671	1326	392	4586

HGVs					
	A	B	C	D	Total
A	0	12	189	8	209
B	10	0	12	12	34
C	314	8	0	10	332
D	5	24	4	3	36
Total	329	44	205	33	611

Total Vehs					
	A	B	C	D	Total
A	0	299	1263	26	1588
B	474	0	233	312	1019
C	2017	187	0	83	2287
D	35	229	35	4	303
Total	2526	715	1531	425	5197

HGV%					
	A	B	C	D	Total
A	0.0%	4.0%	15.0%	30.8%	
B	2.1%	0.0%	5.2%	3.8%	
C	15.6%	4.3%	0.0%	12.0%	
D	14.3%	10.5%	11.4%	75.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	311	1452	34	1797
B	0	0	245	324	569
C	2331	195	0	93	2619
D	40	253	39	7	339
Total	2371	759	1736	458	5324

1630-1730

Lights					
	A	B	C	D	Total
A	2	441	1139	25	1607
B	617	0	226	368	1211
C	2061	204	0	78	2343
D	27	220	33	3	283
Total	2707	865	1398	474	5444

HGVs					
	A	B	C	D	Total
A	0	13	148	10	171
B	10	0	7	2	19
C	206	13	0	6	225
D	5	12	7	0	24
Total	221	38	162	18	439

Total Vehs					
	A	B	C	D	Total
A	2	454	1287	35	1778
B	627	0	233	370	1230
C	2267	217	0	84	2568
D	32	232	40	3	307
Total	2928	903	1560	492	5883

HGV%					
	A	B	C	D	Total
A	0.0%	2.9%	11.5%	28.6%	
B	1.6%	0.0%	3.0%	0.5%	
C	9.1%	6.0%	0.0%	7.1%	
D	15.6%	5.2%	17.5%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	2	467	1435	45	1949
B	637	0	240	372	1249
C	2473	230	0	90	2793
D	37	244	47	3	331
Total	3149	941	1722	510	6322

M40 J10: Padbury Roundabout

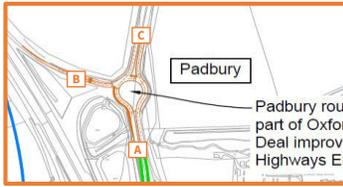


Diagram No: 3
Traffic Flow Set: Padbury1_AM
Strategic Options: 1,4,5,6,7,8

0645-0745

Lights				
	A	B	C	Total
A	0	0	1017	1017
B	509	0	291	800
C	2280	0	0	2280
Total	2789	0	1308	4097

HGVs				
	A	B	C	Total
A	0	0	252	252
B	74	0	24	98
C	321	0	0	321
Total	395	0	276	671

Total Vehs				
	A	B	C	Total
A	0	0	1269	1269
B	583	0	315	898
C	2601	0	0	2601
Total	3184	0	1584	4768

HGV%				
	A	B	C	Total
A	0.0%	0.0%	19.9%	
B	12.7%	0.0%	7.6%	
C	12.3%	0.0%	0.0%	
Total				

PCUs				
	A	B	C	Total
A	0	0	1521	1521
B	657	0	339	996
C	2922	0	0	2922
Total	3579	0	1860	5439

0745-0845

Lights				
	A	B	C	Total
A	0	0	1214	1214
B	588	0	279	867
C	2203	0	0	2203
Total	2791	0	1493	4284

HGVs				
	A	B	C	Total
A	0	0	224	224
B	75	0	29	104
C	324	0	0	324
Total	399	0	253	652

Total Vehs				
	A	B	C	Total
A	0	0	1438	1438
B	663	0	308	971
C	2527	0	0	2527
Total	3190	0	1746	4936

HGV%				
	A	B	C	Total
A	0.0%	0.0%	15.6%	
B	11.3%	0.0%	9.4%	
C	12.8%	0.0%	0.0%	
Total				

PCUs				
	A	B	C	Total
A	0	0	1662	1662
B	738	0	337	1075
C	2851	0	0	2851
Total	3589	0	1999	5588

M40 J10: Padbury Roundabout

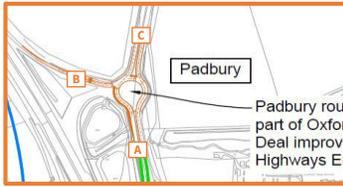


Diagram No: 4
Traffic Flow Set: Padbury1_PM
Strategic Options: 1,4,5,6,7,8

1530-1630

Lights				
	A	B	C	Total
A	0	0	1737	1737
B	413	0	218	631
C	1326	0	0	1326
Total	1739	0	1955	3694

HGVs				
	A	B	C	Total
A	0	0	318	318
B	77	0	14	91
C	205	0	0	205
Total	282	0	332	614

Total Vehs				
	A	B	C	Total
A	0	0	2055	2055
B	490	0	232	722
C	1531	0	0	1531
Total	2021	0	2287	4308

HGV%				
	A	B	C	Total
A	0.0%	0.0%	15.5%	
B	15.7%	0.0%	6.0%	
C	13.4%	0.0%	0.0%	
Total				

PCUs				
	A	B	C	Total
A	0	0	2373	2373
B	567	0	246	813
C	1736	0	0	1736
Total	2303	0	2619	4922

1630-1730

Lights				
	A	B	C	Total
A	0	0	2053	2053
B	483	0	290	773
C	1398	0	0	1398
Total	1881	0	2343	4224

HGVs				
	A	B	C	Total
A	0	0	211	211
B	63	0	14	77
C	162	0	0	162
Total	225	0	225	450

Total Vehs				
	A	B	C	Total
A	0	0	2264	2264
B	546	0	304	850
C	1560	0	0	1560
Total	2106	0	2568	4674

HGV%				
	A	B	C	Total
A	0.0%	0.0%	9.3%	
B	11.5%	0.0%	4.6%	
C	10.4%	0.0%	0.0%	
Total				

PCUs				
	A	B	C	Total
A	0	0	2475	2475
B	609	0	318	927
C	1722	0	0	1722
Total	2331	0	2793	5124

M40 J10: Padbury Roundabout

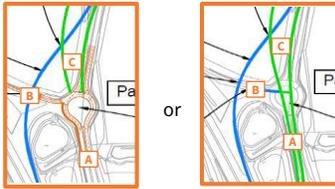


Diagram No: 5
Traffic Flow Set: Padbury2_AM
Strategic Options: 10,11,13,14,15,18,19

0645-0745

Lights				
	A	B	C	Total
A	0	0	1017	1017
B	509	0	291	800
C	1114	0	0	1114
Total	1623	0	1308	2931

HGVs				
	A	B	C	Total
A	0	0	252	252
B	74	0	24	98
C	90	0	0	90
Total	164	0	276	440

Total Vehs				
	A	B	C	Total
A	0	0	1269	1269
B	583	0	315	898
C	1204	0	0	1204
Total	1787	0	1584	3371

HGV%				
	A	B	C	Total
A	0.0%	0.0%	19.9%	
B	12.7%	0.0%	7.6%	
C	7.5%	0.0%	0.0%	
Total				

PCUs				
	A	B	C	Total
A	0	0	1521	1521
B	657	0	339	996
C	1294	0	0	1294
Total	1951	0	1860	3811

0745-0845

Lights				
	A	B	C	Total
A	0	0	1214	1214
B	588	0	279	867
C	1022	0	0	1022
Total	1610	0	1493	3103

HGVs				
	A	B	C	Total
A	0	0	224	224
B	75	0	29	104
C	112	0	0	112
Total	187	0	253	440

Total Vehs				
	A	B	C	Total
A	0	0	1438	1438
B	663	0	308	971
C	1134	0	0	1134
Total	1797	0	1746	3543

HGV%				
	A	B	C	Total
A	0.0%	0.0%	15.6%	
B	11.3%	0.0%	9.4%	
C	9.9%	0.0%	0.0%	
Total				

PCUs				
	A	B	C	Total
A	0	0	1662	1662
B	738	0	337	1075
C	1246	0	0	1246
Total	1984	0	1999	3983

M40 J10: Padbury Roundabout

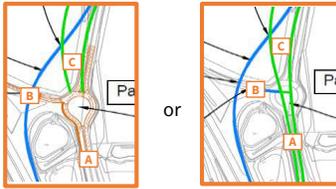


Diagram No: 6
 Traffic Flow Set: Padbury2_PM
 Strategic Options: 10,11,13,14,15,18,19

1530-1630

Lights				
	A	B	C	Total
A	0	0	1737	1737
B	413	0	218	631
C	636	0	0	636
Total	1049	0	1955	3004

HGVs				
	A	B	C	Total
A	0	0	318	318
B	77	0	14	91
C	100	0	0	100
Total	177	0	332	509

Total Vehs				
	A	B	C	Total
A	0	0	2055	2055
B	490	0	232	722
C	736	0	0	736
Total	1226	0	2287	3513

HGV%				
	A	B	C	Total
A	0.0%	0.0%	15.5%	
B	15.7%	0.0%	6.0%	
C	13.6%	0.0%	0.0%	
Total				

PCUs				
	A	B	C	Total
A	0	0	2373	2373
B	567	0	246	813
C	836	0	0	836
Total	1403	0	2619	4022

1630-1730

Lights				
	A	B	C	Total
A	0	0	2053	2053
B	483	0	290	773
C	631	0	0	631
Total	1114	0	2343	3457

HGVs				
	A	B	C	Total
A	0	0	211	211
B	63	0	14	77
C	76	0	0	76
Total	139	0	225	364

Total Vehs				
	A	B	C	Total
A	0	0	2264	2264
B	546	0	304	850
C	707	0	0	707
Total	1253	0	2568	3821

HGV%				
	A	B	C	Total
A	0.0%	0.0%	9.3%	
B	11.5%	0.0%	4.6%	
C	10.7%	0.0%	0.0%	
Total				

PCUs				
	A	B	C	Total
A	0	0	2475	2475
B	609	0	318	927
C	783	0	0	783
Total	1392	0	2793	4185

M40 J10: Cherwell Roundabout

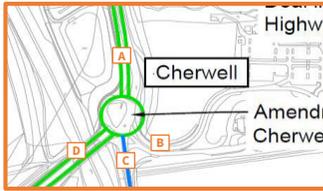


Diagram No: 7
 Traffic Flow Set: Cherwell1_AM
 Strategic Options: 1

0645-0745

Lights					
	A	B	C	D	Total
A	0	201	1166	1422	2789
B	63	0	164	125	352
C	0	0	0	0	0
D	954	194	113	0	1261
Total	1017	395	1443	1547	4402

HGVs					
	A	B	C	D	Total
A	0	50	231	143	424
B	12	0	55	24	91
C	0	0	0	0	0
D	240	31	89	0	360
Total	252	81	375	167	875

Total Vehs					
	A	B	C	D	Total
A	0	251	1397	1565	3213
B	75	0	219	149	443
C	0	0	0	0	0
D	1194	225	202	0	1621
Total	1269	476	1818	1714	5277

HGV%					
	A	B	C	D	Total
A	0.0%	19.9%	16.5%	9.1%	
B	16.0%	0.0%	25.1%	16.1%	
C	0.0%	0.0%	0.0%	0.0%	
D	20.1%	13.8%	44.1%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	301	1628	1708	3637
B	87	0	274	173	534
C	0	0	0	0	0
D	1434	256	291	0	1981
Total	1521	557	2193	1881	6152

0745-0845

Lights					
	A	B	C	D	Total
A	0	227	1181	1383	2791
B	51	0	195	168	414
C	0	0	0	0	0
D	1163	185	102	0	1450
Total	1214	412	1478	1551	4655

HGVs					
	A	B	C	D	Total
A	0	58	212	129	399
B	17	0	50	17	84
C	0	0	0	0	0
D	207	27	90	0	324
Total	224	85	352	146	807

Total Vehs					
	A	B	C	D	Total
A	0	285	1393	1512	3190
B	68	0	245	185	498
C	0	0	0	0	0
D	1370	212	192	0	1774
Total	1438	497	1830	1697	5462

HGV%					
	A	B	C	D	Total
A	0.0%	20.4%	15.2%	8.5%	
B	25.0%	0.0%	20.4%	9.2%	
C	0.0%	0.0%	0.0%	0.0%	
D	15.1%	12.7%	46.9%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	343	1605	1641	3589
B	85	0	295	202	582
C	0	0	0	0	0
D	1577	239	282	0	2098
Total	1662	582	2182	1843	6269

M40 J10: Cherwell Roundabout

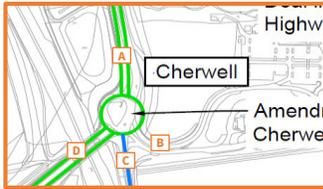


Diagram No: 8
 Traffic Flow Set: Cherwell1_PM
 Strategic Options: 1

1530-1630

Lights					
	A	B	C	D	Total
A	0	280	690	769	1739
B	82	0	214	179	475
C	0	0	0	0	0
D	1655	183	293	0	2131
Total	1737	463	1197	948	4345

HGVs					
	A	B	C	D	Total
A	0	62	105	114	281
B	31	0	46	19	96
C	0	0	0	0	0
D	287	35	92	0	414
Total	318	97	243	133	791

Total Vehs					
	A	B	C	D	Total
A	0	342	795	883	2020
B	113	0	260	198	571
C	0	0	0	0	0
D	1942	218	385	0	2545
Total	2055	560	1440	1081	5136

HGV%					
	A	B	C	D	Total
A	0.0%	18.1%	13.2%	12.9%	
B	27.4%	0.0%	17.7%	9.6%	
C	0.0%	0.0%	0.0%	0.0%	
D	14.8%	16.1%	23.9%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	404	900	997	2301
B	144	0	306	217	667
C	0	0	0	0	0
D	2229	253	477	0	2959
Total	2373	657	1683	1214	5927

1630-1730

Lights					
	A	B	C	D	Total
A	0	260	767	854	1881
B	101	0	172	149	422
C	0	0	0	0	0
D	1952	168	322	0	2442
Total	2053	428	1261	1003	4745

HGVs					
	A	B	C	D	Total
A	0	38	86	101	225
B	14	0	43	32	89
C	0	0	0	0	0
D	197	50	75	0	322
Total	211	88	204	133	636

Total Vehs					
	A	B	C	D	Total
A	0	298	853	955	2106
B	115	0	215	181	511
C	0	0	0	0	0
D	2149	218	397	0	2764
Total	2264	516	1465	1136	5381

HGV%					
	A	B	C	D	Total
A	0.0%	12.8%	10.1%	10.6%	
B	12.2%	0.0%	20.0%	17.7%	
C	0.0%	0.0%	0.0%	0.0%	
D	9.2%	22.9%	18.9%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	336	939	1056	2331
B	129	0	258	213	600
C	0	0	0	0	0
D	2346	268	472	0	3086
Total	2475	604	1669	1269	6017

M40 J10: Cherwell Roundabout

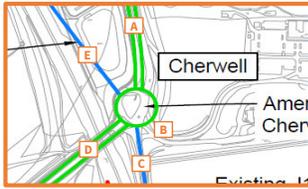


Diagram No: 9
 Traffic Flow Set: Cherwell2_AM
 Strategic Options: 2

0645-0745

Lights						
	A	B	C	D	E	Total
A	0	56	1166	1058	0	2280
B	63	0	164	125	0	352
C	0	0	0	0	0	0
D	954	194	113	0	0	1261
E	291	145	0	364	0	800
Total	1308	395	1443	1547	0	4693

HGVs						
	A	B	C	D	E	Total
A	0	13	231	77	0	321
B	12	0	55	24	0	91
C	0	0	0	0	0	0
D	240	31	89	0	0	360
E	24	37	0	37	0	98
Total	276	81	375	138	0	870

Total Vehs						
	A	B	C	D	E	Total
A	0	69	1397	1135	0	2601
B	75	0	219	149	0	443
C	0	0	0	0	0	0
D	1194	225	202	0	0	1621
E	315	182	0	401	0	898
Total	1584	476	1818	1685	0	5563

HGV%						
	A	B	C	D	E	Total
A	0.0%	18.8%	16.5%	6.8%	0.0%	
B	16.0%	0.0%	25.1%	16.1%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	20.1%	13.8%	44.1%	0.0%	0.0%	
E	7.6%	20.3%	0.0%	9.2%	0.0%	
Total						

0745-0845

Lights						
	A	B	C	D	E	Total
A	0	76	1181	946	0	2203
B	51	0	195	168	0	414
C	0	0	0	0	0	0
D	1163	185	102	0	0	1450
E	279	151	0	437	0	867
Total	1493	412	1478	1551	0	4934

HGVs						
	A	B	C	D	E	Total
A	0	24	212	88	0	324
B	17	0	50	17	0	84
C	0	0	0	0	0	0
D	207	27	90	0	0	324
E	29	34	0	41	0	104
Total	253	85	352	146	0	836

Total Vehs						
	A	B	C	D	E	Total
A	0	100	1393	1034	0	2527
B	68	0	245	185	0	498
C	0	0	0	0	0	0
D	1370	212	192	0	0	1774
E	308	185	0	478	0	971
Total	1746	497	1830	1697	0	5770

HGV%						
	A	B	C	D	E	Total
A	0.0%	24.0%	15.2%	8.5%	0.0%	
B	25.0%	0.0%	20.4%	9.2%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	15.1%	12.7%	46.9%	0.0%	0.0%	
E	9.4%	18.4%	0.0%	8.6%	0.0%	
Total						

M40 J10: Cherwell Roundabout

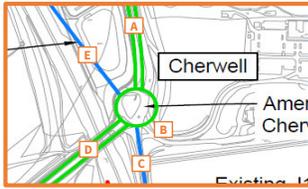


Diagram No: 10
 Traffic Flow Set: Cherwell2_PM
 Strategic Options: 2

1530-1630

Lights						
	A	B	C	D	E	Total
A	0	97	690	539	0	1326
B	82	0	214	179	0	475
C	0	0	0	0	0	0
D	1655	183	293	0	0	2131
E	218	183	0	230	0	631
Total	1955	463	1197	948	0	4563

HGVs						
	A	B	C	D	E	Total
A	0	24	105	76	0	205
B	31	0	46	19	0	96
C	0	0	0	0	0	0
D	287	35	92	0	0	414
E	14	38	0	39	0	91
Total	332	97	243	134	0	806

Total Vehs						
	A	B	C	D	E	Total
A	0	121	795	615	0	1531
B	113	0	260	198	0	571
C	0	0	0	0	0	0
D	1942	218	385	0	0	2545
E	232	221	0	269	0	722
Total	2287	560	1440	1082	0	5369

HGV%						
	A	B	C	D	E	Total
A	0.0%	19.8%	13.2%	12.4%	0.0%	
B	27.4%	0.0%	17.7%	9.6%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	14.8%	16.1%	23.9%	0.0%	0.0%	
E	6.0%	17.2%	0.0%	14.5%	0.0%	
Total						

1630-1730

Lights						
	A	B	C	D	E	Total
A	0	95	767	536	0	1398
B	101	0	172	149	0	422
C	0	0	0	0	0	0
D	1952	168	322	0	0	2442
E	290	165	0	318	0	773
Total	2343	428	1261	1003	0	5035

HGVs						
	A	B	C	D	E	Total
A	0	6	86	70	0	162
B	14	0	43	32	0	89
C	0	0	0	0	0	0
D	197	50	75	0	0	322
E	14	32	0	31	0	77
Total	225	88	204	133	0	650

Total Vehs						
	A	B	C	D	E	Total
A	0	101	853	606	0	1560
B	115	0	215	181	0	511
C	0	0	0	0	0	0
D	2149	218	397	0	0	2764
E	304	197	0	349	0	850
Total	2568	516	1465	1136	0	5685

HGV%						
	A	B	C	D	E	Total
A	0.0%	5.9%	10.1%	11.6%	0.0%	
B	12.2%	0.0%	20.0%	17.7%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	9.2%	22.9%	18.9%	0.0%	0.0%	
E	4.6%	16.2%	0.0%	8.9%	0.0%	
Total						

M40 J10: Cherwell Roundabout

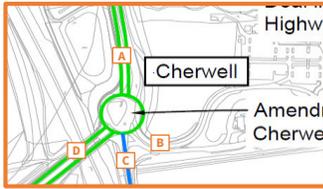


Diagram No: 11
 Traffic Flow Set: Cherwell3_AM
 Strategic Options: 4,5

0645-0745

Lights					
	A	B	C	D	Total
A	0	201	1166	1422	2789
B	63	0	164	125	352
C	0	0	0	0	0
D	954	194	40	0	1188
Total	1017	395	1370	1547	4329

HGVs					
	A	B	C	D	Total
A	0	50	231	143	424
B	12	0	55	24	91
C	0	0	0	0	0
D	240	31	4	0	275
Total	252	81	290	167	790

Total Vehs					
	A	B	C	D	Total
A	0	251	1397	1565	3213
B	75	0	219	149	443
C	0	0	0	0	0
D	1194	225	44	0	1463
Total	1269	476	1660	1714	5119

HGV%					
	A	B	C	D	Total
A	0.0%	19.9%	16.5%	9.1%	
B	16.0%	0.0%	25.1%	16.1%	
C	0.0%	0.0%	0.0%	0.0%	
D	20.1%	13.8%	9.1%	0.0%	
Total					

0745-0845

Lights					
	A	B	C	D	Total
A	0	227	1181	1383	2791
B	51	0	195	168	414
C	0	0	0	0	0
D	1163	185	36	0	1384
Total	1214	412	1412	1551	4589

HGVs					
	A	B	C	D	Total
A	0	58	212	129	399
B	17	0	50	17	84
C	0	0	0	0	0
D	207	27	2	0	236
Total	224	85	264	146	719

Total Vehs					
	A	B	C	D	Total
A	0	285	1393	1512	3190
B	68	0	245	185	498
C	0	0	0	0	0
D	1370	212	38	0	1620
Total	1438	497	1676	1697	5308

HGV%					
	A	B	C	D	Total
A	0.0%	20.4%	15.2%	8.5%	
B	25.0%	0.0%	20.4%	9.2%	
C	0.0%	0.0%	0.0%	0.0%	
D	15.1%	12.7%	5.3%	0.0%	
Total					

M40 J10: Cherwell Roundabout

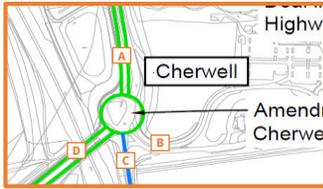


Diagram No: 12
 Traffic Flow Set: Cherwell3_PM
 Strategic Options: 4,5

1530-1630

Lights					
	A	B	C	D	Total
A	0	280	690	769	1739
B	82	0	214	179	475
C	0	0	0	0	0
D	1655	183	38	0	1876
Total	1737	463	942	948	4090

HGVs					
	A	B	C	D	Total
A	0	62	105	114	281
B	31	0	46	19	96
C	0	0	0	0	0
D	287	35	6	0	328
Total	318	97	157	133	705

Total Vehs					
	A	B	C	D	Total
A	0	342	795	883	2020
B	113	0	260	198	571
C	0	0	0	0	0
D	1942	218	44	0	2204
Total	2055	560	1099	1081	4795

HGV%					
	A	B	C	D	Total
A	0.0%	18.1%	13.2%	12.9%	
B	27.4%	0.0%	17.7%	9.6%	
C	0.0%	0.0%	0.0%	0.0%	
D	14.8%	16.1%	13.6%	0.0%	
Total					

1630-1730

Lights					
	A	B	C	D	Total
A	0	260	767	854	1881
B	101	0	172	149	422
C	0	0	0	0	0
D	1952	168	67	0	2187
Total	2053	428	1006	1003	4490

HGVs					
	A	B	C	D	Total
A	0	38	86	101	225
B	14	0	43	32	89
C	0	0	0	0	0
D	197	50	0	0	247
Total	211	88	129	133	561

Total Vehs					
	A	B	C	D	Total
A	0	298	853	955	2106
B	115	0	215	181	511
C	0	0	0	0	0
D	2149	218	67	0	2434
Total	2264	516	1135	1136	5051

HGV%					
	A	B	C	D	Total
A	0.0%	12.8%	10.1%	10.6%	
B	12.2%	0.0%	20.0%	17.7%	
C	0.0%	0.0%	0.0%	0.0%	
D	9.2%	22.9%	0.0%	0.0%	
Total					

M40 J10: Cherwell Roundabout

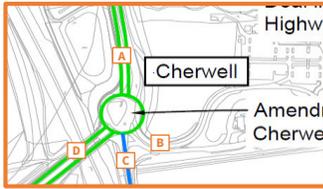


Diagram No: 13
 Traffic Flow Set: Cherwell4_AM
 Strategic Options: 6,7,8

0645-0745

Lights					
	A	B	C	D	Total
A	0	201	1166	1422	2789
B	63	0	164	125	352
C	0	0	0	0	0
D	954	194	0	0	1148
Total	1017	395	1330	1547	4289

HGVs					
	A	B	C	D	Total
A	0	50	231	143	424
B	12	0	55	24	91
C	0	0	0	0	0
D	240	31	0	0	271
Total	252	81	286	167	786

Total Vehs					
	A	B	C	D	Total
A	0	251	1397	1565	3213
B	75	0	219	149	443
C	0	0	0	0	0
D	1194	225	0	0	1419
Total	1269	476	1616	1714	5075

HGV%					
	A	B	C	D	Total
A	0.0%	19.9%	16.5%	9.1%	
B	16.0%	0.0%	25.1%	16.1%	
C	0.0%	0.0%	0.0%	0.0%	
D	20.1%	13.8%	0.0%	0.0%	
Total					

0745-0845

Lights					
	A	B	C	D	Total
A	0	227	1181	1383	2791
B	51	0	195	168	414
C	0	0	0	0	0
D	1163	185	0	0	1348
Total	1214	412	1376	1551	4553

HGVs					
	A	B	C	D	Total
A	0	58	212	129	399
B	17	0	50	17	84
C	0	0	0	0	0
D	207	27	0	0	234
Total	224	85	262	146	717

Total Vehs					
	A	B	C	D	Total
A	0	285	1393	1512	3190
B	68	0	245	185	498
C	0	0	0	0	0
D	1370	212	0	0	1582
Total	1438	497	1638	1697	5270

HGV%					
	A	B	C	D	Total
A	0.0%	20.4%	15.2%	8.5%	
B	25.0%	0.0%	20.4%	9.2%	
C	0.0%	0.0%	0.0%	0.0%	
D	15.1%	12.7%	0.0%	0.0%	
Total					

M40 J10: Cherwell Roundabout

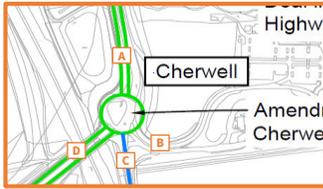


Diagram No: 14
 Traffic Flow Set: Cherwell4_PM
 Strategic Options: 6,7,8

1530-1630

Lights					
	A	B	C	D	Total
A	0	280	690	769	1739
B	82	0	214	179	475
C	0	0	0	0	0
D	1655	183	0	0	1838
Total	1737	463	904	948	4052

HGVs					
	A	B	C	D	Total
A	0	62	105	114	281
B	31	0	46	19	96
C	0	0	0	0	0
D	287	35	0	0	322
Total	318	97	151	133	699

Total Vehs					
	A	B	C	D	Total
A	0	342	795	883	2020
B	113	0	260	198	571
C	0	0	0	0	0
D	1942	218	0	0	2160
Total	2055	560	1055	1081	4751

HGV%					
	A	B	C	D	Total
A	0.0%	18.1%	13.2%	12.9%	
B	27.4%	0.0%	17.7%	9.6%	
C	0.0%	0.0%	0.0%	0.0%	
D	14.8%	16.1%	0.0%	0.0%	
Total					

1630-1730

Lights					
	A	B	C	D	Total
A	0	260	767	854	1881
B	101	0	172	149	422
C	0	0	0	0	0
D	1952	168	0	0	2120
Total	2053	428	939	1003	4423

HGVs					
	A	B	C	D	Total
A	0	38	86	101	225
B	14	0	43	32	89
C	0	0	0	0	0
D	197	50	0	0	247
Total	211	88	129	133	561

Total Vehs					
	A	B	C	D	Total
A	0	298	853	955	2106
B	115	0	215	181	511
C	0	0	0	0	0
D	2149	218	0	0	2367
Total	2264	516	1068	1136	4984

HGV%					
	A	B	C	D	Total
A	0.0%	12.8%	10.1%	10.6%	
B	12.2%	0.0%	20.0%	17.7%	
C	0.0%	0.0%	0.0%	0.0%	
D	9.2%	22.9%	0.0%	0.0%	
Total					

M40 J10: Cherwell Roundabout

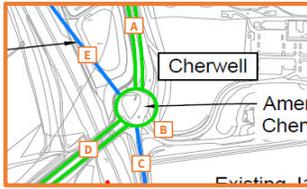


Diagram No: 15
 Traffic Flow Set: Cherwell5_AM
 Strategic Options: 9

0645-0745

Lights						
	A	B	C	D	E	Total
A	0	56	1166	1058	0	2280
B	63	0	164	125	0	352
C	0	0	0	0	0	0
D	954	194	0	0	0	1148
E	291	145	0	364	0	800
Total	1308	395	1330	1547	0	4580

HGVs						
	A	B	C	D	E	Total
A	0	13	231	77	0	321
B	12	0	55	24	0	91
C	0	0	0	0	0	0
D	240	31	0	0	0	271
E	24	37	0	37	0	98
Total	276	81	286	138	0	781

Total Vehs						
	A	B	C	D	E	Total
A	0	69	1397	1135	0	2601
B	75	0	219	149	0	443
C	0	0	0	0	0	0
D	1194	225	0	0	0	1419
E	315	182	0	401	0	898
Total	1584	476	1616	1685	0	5361

HGV%						
	A	B	C	D	E	Total
A	0.0%	18.8%	16.5%	6.8%	0.0%	
B	16.0%	0.0%	25.1%	16.1%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	20.1%	13.8%	0.0%	0.0%	0.0%	
E	7.6%	20.3%	0.0%	9.2%	0.0%	
Total						

0745-0845

Lights						
	A	B	C	D	E	Total
A	0	76	1181	946	0	2203
B	51	0	195	168	0	414
C	0	0	0	0	0	0
D	1163	185	0	0	0	1348
E	279	151	0	437	0	867
Total	1493	412	1376	1551	0	4832

HGVs						
	A	B	C	D	E	Total
A	0	24	212	88	0	324
B	17	0	50	17	0	84
C	0	0	0	0	0	0
D	207	27	0	0	0	234
E	29	34	0	41	0	104
Total	253	85	262	146	0	746

Total Vehs						
	A	B	C	D	E	Total
A	0	100	1393	1034	0	2527
B	68	0	245	185	0	498
C	0	0	0	0	0	0
D	1370	212	0	0	0	1582
E	308	185	0	478	0	971
Total	1746	497	1638	1697	0	5578

HGV%						
	A	B	C	D	E	Total
A	0.0%	24.0%	15.2%	8.5%	0.0%	
B	25.0%	0.0%	20.4%	9.2%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	15.1%	12.7%	0.0%	0.0%	0.0%	
E	9.4%	18.4%	0.0%	8.6%	0.0%	
Total						

M40 J10: Cherwell Roundabout

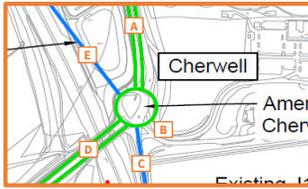


Diagram No: 16
 Traffic Flow Set: Cherwell5_PM
 Strategic Options: 9

1530-1630

Lights						
	A	B	C	D	E	Total
A	0	97	690	539	0	1326
B	82	0	214	179	0	475
C	0	0	0	0	0	0
D	1655	183	0	0	0	1838
E	218	183	0	230	0	631
Total	1955	463	904	948	0	4270

HGVs						
	A	B	C	D	E	Total
A	0	24	105	76	0	205
B	31	0	46	19	0	96
C	0	0	0	0	0	0
D	287	35	0	0	0	322
E	14	38	0	39	0	91
Total	332	97	151	134	0	714

Total Vehs						
	A	B	C	D	E	Total
A	0	121	795	615	0	1531
B	113	0	260	198	0	571
C	0	0	0	0	0	0
D	1942	218	0	0	0	2160
E	232	221	0	269	0	722
Total	2287	560	1055	1082	0	4984

HGV%						
	A	B	C	D	E	Total
A	0.0%	19.8%	13.2%	12.4%	0.0%	
B	27.4%	0.0%	17.7%	9.6%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	14.8%	16.1%	0.0%	0.0%	0.0%	
E	6.0%	17.2%	0.0%	14.5%	0.0%	
Total						

1630-1730

Lights						
	A	B	C	D	E	Total
A	0	95	767	536	0	1398
B	101	0	172	149	0	422
C	0	0	0	0	0	0
D	1952	168	0	0	0	2120
E	290	165	0	318	0	773
Total	2343	428	939	1003	0	4713

HGVs						
	A	B	C	D	E	Total
A	0	6	86	70	0	162
B	14	0	43	32	0	89
C	0	0	0	0	0	0
D	197	50	0	0	0	247
E	14	32	0	31	0	77
Total	225	88	129	133	0	575

Total Vehs						
	A	B	C	D	E	Total
A	0	101	853	606	0	1560
B	115	0	215	181	0	511
C	0	0	0	0	0	0
D	2149	218	0	0	0	2367
E	304	197	0	349	0	850
Total	2568	516	1068	1136	0	5288

HGV%						
	A	B	C	D	E	Total
A	0.0%	5.9%	10.1%	11.6%	0.0%	
B	12.2%	0.0%	20.0%	17.7%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	9.2%	22.9%	0.0%	0.0%	0.0%	
E	4.6%	16.2%	0.0%	8.9%	0.0%	
Total						

M40 J10: Cherwell Roundabout

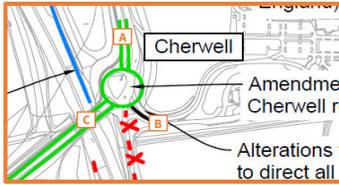


Diagram No: 17
 Traffic Flow Set: Cherwell6_AM
 Strategic Options: 10,11,13,18,19

0645-0745

Lights				
	A	B	C	Total
A	0	201	1422	1623
B	63	0	289	352
C	954	194	0	1148
Total	1017	395	1711	3123

HGVs				
	A	B	C	Total
A	0	50	114	164
B	12	0	79	91
C	240	31		271
Total	252	81	193	526

Total Vehs				
	A	B	C	Total
A	0	251	1536	1787
B	75	0	368	443
C	1194	225	0	1419
Total	1269	476	1904	3649

HGV%				
	A	B	C	Total
A	0.0%	19.9%	7.4%	
B	16.0%	0.0%	21.5%	
C	20.1%	13.8%	0.0%	
Total				

PCUs				
	A	B	C	Total
A	0	301	1650	1951
B	87	0	447	534
C	1434	256	0	1690
Total	1521	557	2097	4175

0745-0845

Lights				
	A	B	C	Total
A	0	227	1383	1610
B	51	0	363	414
C	1163	185	0	1348
Total	1214	412	1746	3372

HGVs				
	A	B	C	Total
A	0	58	129	187
B	17	0	67	84
C	207	27	0	234
Total	224	85	196	505

Total Vehs				
	A	B	C	Total
A	0	285	1512	1797
B	68	0	430	498
C	1370	212	0	1582
Total	1438	497	1942	3877

HGV%				
	A	B	C	Total
A	0.0%	20.4%	8.5%	
B	25.0%	0.0%	15.6%	
C	15.1%	12.7%	0.0%	
Total				

PCUs				
	A	B	C	Total
A	0	343	1641	1984
B	85	0	497	582
C	1577	239	0	1816
Total	1662	582	2138	4382

M40 J10: Cherwell Roundabout

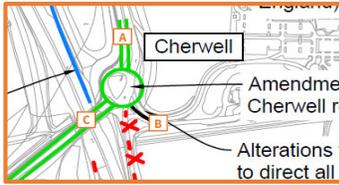


Diagram No: 18
Traffic Flow Set: Cherwell6_PM
Strategic Options: 10,11,13,18,19

1530-1630

Lights				
	A	B	C	Total
A	0	280	769	1049
B	82	0	393	475
C	1655	183	0	1838
Total	1737	463	1162	3362

HGVs				
	A	B	C	Total
A	0	62	115	177
B	31	0	65	96
C	287	35		322
Total	318	97	180	595

Total Vehs				
	A	B	C	Total
A	0	342	884	1226
B	113	0	458	571
C	1942	218	0	2160
Total	2055	560	1342	3957

HGV%				
	A	B	C	Total
A	0.0%	18.1%	13.0%	
B	27.4%	0.0%	14.2%	
C	14.8%	16.1%	0.0%	
Total				

PCUs				
	A	B	C	Total
A	0	404	999	1403
B	144	0	523	667
C	2229	253	0	2482
Total	2373	657	1522	4552

1630-1730

Lights				
	A	B	C	Total
A	0	260	854	1114
B	101	0	321	422
C	1952	168	0	2120
Total	2053	428	1175	3656

HGVs				
	A	B	C	Total
A	0	38	101	139
B	14	0	75	89
C	197	50	0	247
Total	211	88	176	475

Total Vehs				
	A	B	C	Total
A	0	298	955	1253
B	115	0	396	511
C	2149	218	0	2367
Total	2264	516	1351	4131

HGV%				
	A	B	C	Total
A	0.0%	12.8%	10.6%	
B	12.2%	0.0%	18.9%	
C	9.2%	22.9%	0.0%	
Total				

PCUs				
	A	B	C	Total
A	0	336	1056	1392
B	129	0	471	600
C	2346	268	0	2614
Total	2475	604	1527	4606

M40 J10: Cherwell Roundabout

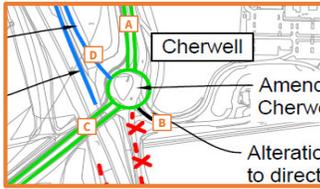


Diagram No: 19
 Traffic Flow Set: Cherwell7_AM
 Strategic Options: 12

0645-0745

Lights					
	A	B	C	D	Total
A	0	56	1058	0	1114
B	63	0	289	0	352
C	954	194	0	0	1148
D	291	145	364	0	800
Total	1308	395	1711	0	3414

HGVs					
	A	B	C	D	Total
A	0	13	77	0	90
B	12	0	79	0	91
C	240	31	0	0	271
D	24	37	37	0	98
Total	276	81	193	0	550

Total Vehs					
	A	B	C	D	Total
A	0	69	1135	0	1204
B	75	0	368	0	443
C	1194	225	0	0	1419
D	315	182	401	0	898
Total	1584	476	1904	0	3964

HGV%					
	A	B	C	D	Total
A	0.0%	18.8%	6.8%	0.0%	
B	16.0%	0.0%	21.5%	0.0%	
C	20.1%	13.8%	0.0%	0.0%	
D	7.6%	20.3%	9.2%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	82	1212	0	1294
B	87	0	447	0	534
C	1434	256	0	0	1690
D	339	219	438	0	996
Total	1860	557	2097	0	4514

0745-0845

Lights					
	A	B	C	D	Total
A	0	76	946	0	1022
B	51	0	363	0	414
C	1163	185	0	0	1348
D	279	151	437	0	867
Total	1493	412	1746	0	3651

HGVs					
	A	B	C	D	Total
A	0	24	88	0	112
B	17	0	67	0	84
C	207	27	0	0	234
D	29	34	41	0	104
Total	253	85	196	0	534

Total Vehs					
	A	B	C	D	Total
A	0	100	1034	0	1134
B	68	0	430	0	498
C	1370	212	0	0	1582
D	308	185	478	0	971
Total	1746	497	1942	0	4185

HGV%					
	A	B	C	D	Total
A	0.0%	24.0%	8.5%	0.0%	
B	25.0%	0.0%	15.6%	0.0%	
C	15.1%	12.7%	0.0%	0.0%	
D	9.4%	18.4%	8.6%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	124	1122	0	1246
B	85	0	497	0	582
C	1577	239	0	0	1816
D	337	219	519	0	1075
Total	1999	582	2138	0	4719

M40 J10: Cherwell Roundabout

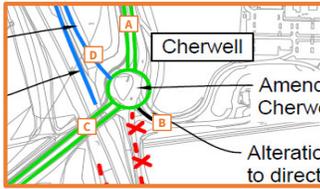


Diagram No: 20
 Traffic Flow Set: Cherwell7_PM
 Strategic Options: 12

1530-1630

Lights					
	A	B	C	D	Total
A	0	97	539	0	636
B	82	0	393	0	475
C	1655	183	0	0	1838
D	218	183	230	0	631
Total	1955	463	1162	0	3580

HGVs					
	A	B	C	D	Total
A	0	24	76	0	100
B	31	0	65	0	96
C	287	35	0	0	322
D	14	38	39	0	91
Total	332	97	180	0	609

Total Vehs					
	A	B	C	D	Total
A	0	121	615	0	736
B	113	0	458	0	571
C	1942	218	0	0	2160
D	232	221	269	0	722
Total	2287	560	1342	0	4189

HGV%					
	A	B	C	D	Total
A	0.0%	19.8%	12.4%	0.0%	
B	27.4%	0.0%	14.2%	0.0%	
C	14.8%	16.1%	0.0%	0.0%	
D	6.0%	17.2%	14.5%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	145	691	0	836
B	144	0	523	0	667
C	2229	253	0	0	2482
D	246	259	308	0	813
Total	2619	657	1522	0	4798

1630-1730

Lights					
	A	B	C	D	Total
A	0	95	536	0	631
B	101	0	321	0	422
C	1952	168	0	0	2120
D	290	165	318	0	773
Total	2343	428	1175	0	3946

HGVs					
	A	B	C	D	Total
A	0	6	70	0	76
B	14	0	75	0	89
C	197	50	0	0	247
D	14	32	31	0	77
Total	225	88	176	0	489

Total Vehs					
	A	B	C	D	Total
A	0	101	606	0	707
B	115	0	396	0	511
C	2149	218	0	0	2367
D	304	197	349	0	850
Total	2568	516	1351	0	4435

HGV%					
	A	B	C	D	Total
A	0.0%	5.9%	11.6%	0.0%	
B	12.2%	0.0%	18.9%	0.0%	
C	9.2%	22.9%	0.0%	0.0%	
D	4.6%	16.2%	8.9%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	101	606	0	707
B	115	0	396	0	511
C	2149	218	0	0	2367
D	304	197	349	0	850
Total	2568	516	1351	0	4435

M40 J10: Cherwell Roundabout

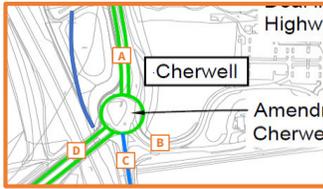


Diagram No: 21
 Traffic Flow Set: Cherwell8_AM
 Strategic Options: 14,15

0645-0745

Lights					
	A	B	C	D	Total
A	0	201	0	1422	1623
B	63	0	164	125	352
C	0	0	0	0	0
D	954	194	113	0	1261
Total	1017	395	277	1547	3236

HGVs					
	A	B	C	D	Total
A	0	50	0	143	193
B	12	0	55	24	91
C	0	0	0	0	0
D	240	31	89	0	360
Total	252	81	144	167	644

Total Vehs					
	A	B	C	D	Total
A	0	251	0	1565	1816
B	75	0	219	149	443
C	0	0	0	0	0
D	1194	225	202	0	1621
Total	1269	476	421	1714	3880

HGV%					
	A	B	C	D	Total
A	0.0%	19.9%	0.0%	9.1%	
B	16.0%	0.0%	25.1%	16.1%	
C	0.0%	0.0%	0.0%	0.0%	
D	20.1%	13.8%	44.1%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	301	0	1708	2009
B	87	0	274	173	534
C	0	0	0	0	0
D	1434	256	291	0	1981
Total	1521	557	565	1881	4524

0745-0845

Lights					
	A	B	C	D	Total
A	0	227	0	1383	1610
B	51	0	195	168	414
C	0	0	0	0	0
D	1163	185	102	0	1450
Total	1214	412	297	1551	3474

HGVs					
	A	B	C	D	Total
A	0	58	0	129	187
B	17	0	50	17	84
C	0	0	0	0	0
D	207	27	90	0	324
Total	224	85	140	146	595

Total Vehs					
	A	B	C	D	Total
A	0	285	0	1512	1797
B	68	0	245	185	498
C	0	0	0	0	0
D	1370	212	192	0	1774
Total	1438	497	437	1697	4069

HGV%					
	A	B	C	D	Total
A	0.0%	20.4%	0.0%	8.5%	
B	25.0%	0.0%	20.4%	9.2%	
C	0.0%	0.0%	0.0%	0.0%	
D	15.1%	12.7%	46.9%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	343	0	1641	1984
B	85	0	295	202	582
C	0	0	0	0	0
D	1577	239	282	0	2098
Total	1662	582	577	1843	4664

M40 J10: Cherwell Roundabout

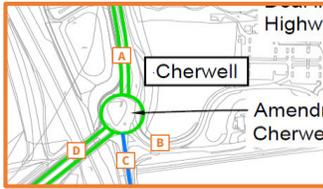


Diagram No: 22
 Traffic Flow Set: Cherwell8_PM
 Strategic Options: 14,15

1530-1630

Lights					
	A	B	C	D	Total
A	0	280	0	769	1049
B	82	0	214	179	475
C	0	0	0	0	0
D	1655	183	293	0	2131
Total	1737	463	507	948	3655

HGVs					
	A	B	C	D	Total
A	0	62	0	114	176
B	31	0	46	19	96
C	0	0	0	0	0
D	287	35	92	0	414
Total	318	97	138	133	686

Total Vehs					
	A	B	C	D	Total
A	0	342	0	883	1225
B	113	0	260	198	571
C	0	0	0	0	0
D	1942	218	385	0	2545
Total	2055	560	645	1081	4341

HGV%					
	A	B	C	D	Total
A	0.0%	18.1%	0.0%	12.9%	
B	27.4%	0.0%	17.7%	9.6%	
C	0.0%	0.0%	0.0%	0.0%	
D	14.8%	16.1%	23.9%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	404	0	997	1401
B	144	0	306	217	667
C	0	0	0	0	0
D	2229	253	477	0	2959
Total	2373	657	783	1214	5027

1630-1730

Lights					
	A	B	C	D	Total
A	0	260	0	854	1114
B	101	0	172	149	422
C	0	0	0	0	0
D	1952	168	322	0	2442
Total	2053	428	494	1003	3978

HGVs					
	A	B	C	D	Total
A	0	38	0	101	139
B	14	0	43	32	89
C	0	0	0	0	0
D	197	50	75	0	322
Total	211	88	118	133	550

Total Vehs					
	A	B	C	D	Total
A	0	298	0	955	1253
B	115	0	215	181	511
C	0	0	0	0	0
D	2149	218	397	0	2764
Total	2264	516	612	1136	4528

HGV%					
	A	B	C	D	Total
A	0.0%	12.8%	0.0%	10.6%	
B	12.2%	0.0%	20.0%	17.7%	
C	0.0%	0.0%	0.0%	0.0%	
D	9.2%	22.9%	18.9%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	336	0	1056	1392
B	129	0	258	213	600
C	0	0	0	0	0
D	2346	268	472	0	3086
Total	2475	604	730	1269	5078

M40 J10: Cherwell Roundabout

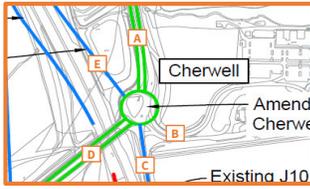


Diagram No: 23
Traffic Flow Set: Cherwell9_AM
Strategic Options: 16

0645-0745

Lights						
	A	B	C	D	E	Total
A	0	56	1166	1058	0	2280
B	63	0	164	125	0	352
C	0	0	0	0	0	0
D	215	194	113	0	0	522
E	291	145	0	364	0	800
Total	569	395	1443	1547	0	3954

HGVs						
	A	B	C	D	E	Total
A	0	13	231	77	0	321
B	12	0	55	24	0	91
C	0	0	0	0	0	0
D	82	31	89	0	0	202
E	24	37	0	37	0	98
Total	118	81	375	138	0	712

Total Vehs						
	A	B	C	D	E	Total
A	0	69	1397	1135	0	2601
B	75	0	219	149	0	443
C	0	0	0	0	0	0
D	297	225	202	0	0	724
E	315	182	0	401	0	898
Total	687	476	1818	1685	0	4666

HGV%						
	A	B	C	D	E	Total
A	0.0%	18.8%	16.5%	6.8%	0.0%	
B	16.0%	0.0%	25.1%	16.1%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	27.6%	13.8%	44.1%	0.0%	0.0%	
E	7.6%	20.3%	0.0%	9.2%	0.0%	
Total						

0745-0845

Lights						
	A	B	C	D	E	Total
A	0	76	1181	946	0	2203
B	51	0	195	168	0	414
C	0	0	0	0	0	0
D	246	185	102	0	0	533
E	279	151	0	437	0	867
Total	576	412	1478	1551	0	4017

HGVs						
	A	B	C	D	E	Total
A	0	24	212	88	0	324
B	17	0	50	17	0	84
C	0	0	0	0	0	0
D	81	27	90	0	0	198
E	29	34	0	41	0	104
Total	127	85	352	146	0	710

Total Vehs						
	A	B	C	D	E	Total
A	0	100	1393	1034	0	2527
B	68	0	245	185	0	498
C	0	0	0	0	0	0
D	327	212	192	0	0	731
E	308	185	0	478	0	971
Total	703	497	1830	1697	0	4727

HGV%						
	A	B	C	D	E	Total
A	0.0%	24.0%	15.2%	8.5%	0.0%	
B	25.0%	0.0%	20.4%	9.2%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	24.8%	12.7%	46.9%	0.0%	0.0%	
E	9.4%	18.4%	0.0%	8.6%	0.0%	
Total						

M40 J10: Cherwell Roundabout

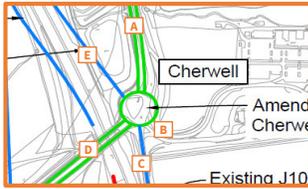


Diagram No: 24
 Traffic Flow Set: Cherwell9_PM
 Strategic Options: 16

1530-1630

Lights						
	A	B	C	D	E	Total
A	0	97	690	539	0	1326
B	82	0	214	179	0	475
C	0	0	0	0	0	0
D	453	183	293	0	0	929
E	218	183	0	230	0	631
Total	753	463	1197	948	0	3361

HGVs						
	A	B	C	D	E	Total
A	0	24	105	76	0	205
B	31	0	46	19	0	96
C	0	0	0	0	0	0
D	65	35	92	0	0	192
E	14	38	0	39	0	91
Total	110	97	243	134	0	584

Total Vehs						
	A	B	C	D	E	Total
A	0	121	795	615	0	1531
B	113	0	260	198	0	571
C	0	0	0	0	0	0
D	518	218	385	0	0	1121
E	232	221	0	269	0	722
Total	863	560	1440	1082	0	3945

HGV%						
	A	B	C	D	E	Total
A	0.0%	19.8%	13.2%	12.4%	0.0%	
B	27.4%	0.0%	17.7%	9.6%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	12.5%	16.1%	23.9%	0.0%	0.0%	
E	6.0%	17.2%	0.0%	14.5%	0.0%	
Total						

1630-1730

Lights						
	A	B	C	D	E	Total
A	0	95	767	536	0	1398
B	101	0	172	149	0	422
C	0	0	0	0	0	0
D	577	168	322	0	0	1067
E	290	165	0	318	0	773
Total	968	428	1261	1003	0	3660

HGVs						
	A	B	C	D	E	Total
A	0	6	86	70	0	162
B	14	0	43	32	0	89
C	0	0	0	0	0	0
D	56	50	75	0	0	181
E	14	32	0	31	0	77
Total	84	88	204	133	0	509

Total Vehs						
	A	B	C	D	E	Total
A	0	101	853	606	0	1560
B	115	0	215	181	0	511
C	0	0	0	0	0	0
D	633	218	397	0	0	1248
E	304	197	0	349	0	850
Total	1052	516	1465	1136	0	4169

HGV%						
	A	B	C	D	E	Total
A	0.0%	5.9%	10.1%	11.6%	0.0%	
B	12.2%	0.0%	20.0%	17.7%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	8.8%	22.9%	18.9%	0.0%	0.0%	
E	4.6%	16.2%	0.0%	8.9%	0.0%	
Total						

M40 J10: Cherwell Roundabout

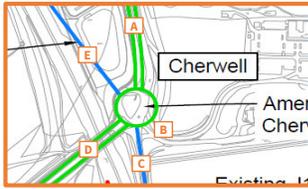


Diagram No: 25
 Traffic Flow Set: Cherwell10_AM
 Strategic Options: 17

0645-0745

Lights						
	A	B	C	D	E	Total
A	0	56	1166	1058	0	2280
B	63	0	164	125	0	352
C	0	0	0	0	0	0
D	215	194	0	0	0	409
E	291	145	0	364	0	800
Total	569	395	1330	1547	0	3841

HGVs						
	A	B	C	D	E	Total
A	0	13	231	77	0	321
B	12	0	55	24	0	91
C	0	0	0	0	0	0
D	82	31	0	0	0	113
E	24	37	0	37	0	98
Total	118	81	286	138	0	623

Total Vehs						
	A	B	C	D	E	Total
A	0	69	1397	1135	0	2601
B	75	0	219	149	0	443
C	0	0	0	0	0	0
D	297	225	0	0	0	522
E	315	182	0	401	0	898
Total	687	476	1616	1685	0	4464

HGV%						
	A	B	C	D	E	Total
A	0.0%	18.8%	16.5%	6.8%	0.0%	
B	16.0%	0.0%	25.1%	16.1%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	27.6%	13.8%	0.0%	0.0%	0.0%	
E	7.6%	20.3%	0.0%	9.2%	0.0%	
Total						

0745-0845

Lights						
	A	B	C	D	E	Total
A	0	76	1181	946	0	2203
B	51	0	195	168	0	414
C	0	0	0	0	0	0
D	246	185	0	0	0	431
E	279	151	0	437	0	867
Total	576	412	1376	1551	0	3915

HGVs						
	A	B	C	D	E	Total
A	0	24	212	88	0	324
B	17	0	50	17	0	84
C	0	0	0	0	0	0
D	81	27	0	0	0	108
E	29	34	0	41	0	104
Total	127	85	262	146	0	620

Total Vehs						
	A	B	C	D	E	Total
A	0	100	1393	1034	0	2527
B	68	0	245	185	0	498
C	0	0	0	0	0	0
D	327	212	0	0	0	539
E	308	185	0	478	0	971
Total	703	497	1638	1697	0	4535

HGV%						
	A	B	C	D	E	Total
A	0.0%	24.0%	15.2%	8.5%	0.0%	
B	25.0%	0.0%	20.4%	9.2%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	24.8%	12.7%	0.0%	0.0%	0.0%	
E	9.4%	18.4%	0.0%	8.6%	0.0%	
Total						

M40 J10: Cherwell Roundabout

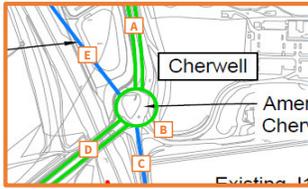


Diagram No: 26
 Traffic Flow Set: Cherwell10_PM
 Strategic Options: 17

1530-1630

Lights						
	A	B	C	D	E	Total
A	0	97	690	539	0	1326
B	82	0	214	179	0	475
C	0	0	0	0	0	0
D	453	183	0	0	0	636
E	218	183	0	230	0	631
Total	753	463	904	948	0	3068

HGVs						
	A	B	C	D	E	Total
A	0	24	105	76	0	205
B	31	0	46	19	0	96
C	0	0	0	0	0	0
D	65	35	0	0	0	100
E	14	38	0	39	0	91
Total	110	97	151	134	0	492

Total Vehs						
	A	B	C	D	E	Total
A	0	121	795	615	0	1531
B	113	0	260	198	0	571
C	0	0	0	0	0	0
D	518	218	0	0	0	736
E	232	221	0	269	0	722
Total	863	560	1055	1082	0	3560

HGV%						
	A	B	C	D	E	Total
A	0.0%	19.8%	13.2%	12.4%	0.0%	
B	27.4%	0.0%	17.7%	9.6%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	12.5%	16.1%	0.0%	0.0%	0.0%	
E	6.0%	17.2%	0.0%	14.5%	0.0%	
Total						

1630-1730

Lights						
	A	B	C	D	E	Total
A	0	95	767	536	0	1398
B	101	0	172	149	0	422
C	0	0	0	0	0	0
D	577	168	0	0	0	745
E	290	165	0	318	0	773
Total	968	428	939	1003	0	3338

HGVs						
	A	B	C	D	E	Total
A	0	6	86	70	0	162
B	14	0	43	32	0	89
C	0	0	0	0	0	0
D	56	50	0	0	0	106
E	14	32	0	31	0	77
Total	84	88	129	133	0	434

Total Vehs						
	A	B	C	D	E	Total
A	0	101	853	606	0	1560
B	115	0	215	181	0	511
C	0	0	0	0	0	0
D	633	218	0	0	0	851
E	304	197	0	349	0	850
Total	1052	516	1068	1136	0	3772

HGV%						
	A	B	C	D	E	Total
A	0.0%	5.9%	10.1%	11.6%	0.0%	
B	12.2%	0.0%	20.0%	17.7%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	8.8%	22.9%	0.0%	0.0%	0.0%	
E	4.6%	16.2%	0.0%	8.9%	0.0%	
Total						

M40 J10: Ardley Roundabout

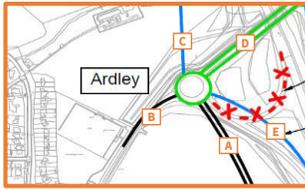


Diagram No: 27
 Traffic Flow Set: Ardley1_AM
 Strategic Options: 1,2,14,15

0645-0745

Lights						
	A	B	C	D	E	Total
A	0	65	310	290	0	665
B	215	0	20	19	0	254
C	0	0	0	0	0	0
D	1270	16	261	0	0	1547
E	247	1	0	952	0	1200
Total	1732	82	591	1261	0	3666

HGVs						
	A	B	C	D	E	Total
A	0	1	36	170	0	207
B	0	0	0	0	0	0
C	0	0	0	0	0	0
D	102	0	36	0	0	138
E	94	0	0	190	0	284
Total	196	1	72	360	0	629

Total Vehs						
	A	B	C	D	E	Total
A	0	66	346	460	0	872
B	215	0	20	19	0	254
C	0	0	0	0	0	0
D	1372	16	297	0	0	1685
E	341	1	0	1142	0	1484
Total	1928	83	663	1621	0	4295

HGV%						
	A	B	C	D	E	Total
A	0.0%	1.5%	10.4%	37.0%	0.0%	
B	0.0%	0.0%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	7.4%	0.0%	12.1%	0.0%	0.0%	
E	27.6%	0.0%	0.0%	16.6%	0.0%	
Total						

PCUs						
	A	B	C	D	E	Total
A	0	67	382	630	0	1079
B	215	0	20	19	0	254
C	0	0	0	0	0	0
D	1474	16	333	0	0	1823
E	435	1	0	1332	0	1768
Total	2124	84	735	1981	0	4924

0745-0845

Lights						
	A	B	C	D	E	Total
A	0	65	292	320	0	677
B	215	0	19	20	0	254
C	0	0	0	0	0	0
D	1171	16	364	0	0	1551
E	259	1	0	1110	0	1370
Total	1645	82	675	1450	0	3852

HGVs						
	A	B	C	D	E	Total
A	0	1	40	169	0	210
B	0	0	0	0	0	0
C	0	0	0	0	0	0
D	117	0	29	0	0	146
E	93	0	0	155	0	248
Total	210	1	69	324	0	604

Total Vehs						
	A	B	C	D	E	Total
A	0	66	332	489	0	887
B	215	0	19	20	0	254
C	0	0	0	0	0	0
D	1288	16	393	0	0	1697
E	352	1	0	1265	0	1618
Total	1855	83	744	1774	0	4456

HGV%						
	A	B	C	D	E	Total
A	0.0%	1.5%	12.0%	34.6%	0.0%	
B	0.0%	0.0%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	9.1%	0.0%	7.4%	0.0%	0.0%	
E	26.4%	0.0%	0.0%	12.3%	0.0%	
Total						

PCUs						
	A	B	C	D	E	Total
A	0	67	372	658	0	1097
B	215	0	19	20	0	254
C	0	0	0	0	0	0
D	1405	16	422	0	0	1843
E	445	1	0	1420	0	1866
Total	2065	84	813	2098	0	5060

M40 J10: Ardley Roundabout

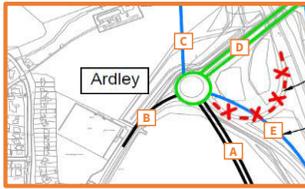


Diagram No: 28
 Traffic Flow Set: Ardley1_PM
 Strategic Options: 1,2,14,15

1530-1630

Lights						
	A	B	C	D	E	Total
A	0	131	315	703	0	1149
B	173	0	7	16	0	196
C	0	0	0	0	0	0
D	530	24	394	0	0	948
E	124	3	0	1412	0	1539
Total	827	158	716	2131	0	3832

HGVs						
	A	B	C	D	E	Total
A	0	1	33	151	0	185
B	2	0	0	0	0	2
C	0	0	0	0	0	0
D	102	0	32	0	0	134
E	90	0	0	263	0	353
Total	194	1	65	414	0	674

Total Vehs						
	A	B	C	D	E	Total
A	0	132	348	854	0	1334
B	175	0	7	16	0	198
C	0	0	0	0	0	0
D	632	24	426	0	0	1082
E	214	3	0	1675	0	1892
Total	1021	159	781	2545	0	4506

HGV%						
	A	B	C	D	E	Total
A	0.0%	0.8%	9.5%	17.7%	0.0%	
B	1.1%	0.0%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	16.1%	0.0%	7.5%	0.0%	0.0%	
E	42.1%	0.0%	0.0%	15.7%	0.0%	
Total						

PCUs						
	A	B	C	D	E	Total
A	0	133	381	1005	0	1519
B	177	0	7	16	0	200
C	0	0	0	0	0	0
D	734	24	458	0	0	1216
E	304	3	0	1938	0	2245
Total	1215	160	846	2959	0	5180

1630-1730

Lights						
	A	B	C	D	E	Total
A	0	131	360	830	0	1321
B	173	0	7	16	0	196
C	0	0	0	0	0	0
D	574	24	405	0	0	1003
E	136	3	0	1596	0	1735
Total	883	158	772	2442	0	4255

HGVs						
	A	B	C	D	E	Total
A	0	1	30	134	0	165
B	2	0	0	0	0	2
C	0	0	0	0	0	0
D	93	0	40	0	0	133
E	81	0	0	188	0	269
Total	176	1	70	322	0	569

Total Vehs						
	A	B	C	D	E	Total
A	0	132	390	964	0	1486
B	175	0	7	16	0	198
C	0	0	0	0	0	0
D	667	24	445	0	0	1136
E	217	3	0	1784	0	2004
Total	1059	159	842	2764	0	4824

HGV%						
	A	B	C	D	E	Total
A	0.0%	0.8%	7.7%	13.9%	0.0%	
B	1.1%	0.0%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	13.9%	0.0%	9.0%	0.0%	0.0%	
E	37.3%	0.0%	0.0%	10.5%	0.0%	
Total						

PCUs						
	A	B	C	D	E	Total
A	0	133	420	1098	0	1651
B	177	0	7	16	0	200
C	0	0	0	0	0	0
D	760	24	485	0	0	1269
E	298	3	0	1972	0	2273
Total	1235	160	912	3086	0	5393

M40 J10: Ardley Roundabout

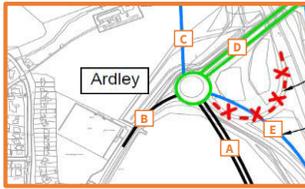


Diagram No: 29
 Traffic Flow Set: Ardley2_AM
 Strategic Options: 4,5

0645-0745

Lights						
	A	B	C	D	E	Total
A	0	65	310	221	0	596
B	215	0	20	19	0	254
C	0	0	0	0	0	0
D	1270	16	261	0	0	1547
E	247	1	0	952	0	1200
Total	1732	82	591	1192	0	3597

HGVs						
	A	B	C	D	E	Total
A	0	1	36	85	0	122
B	0	0	0	0	0	0
C	0	0	0	0	0	0
D	102	0	36	0	0	138
E	94	0	0	190	0	284
Total	196	1	72	275	0	544

Total Vehs						
	A	B	C	D	E	Total
A	0	66	346	306	0	718
B	215	0	20	19	0	254
C	0	0	0	0	0	0
D	1372	16	297	0	0	1685
E	341	1	0	1142	0	1484
Total	1928	83	663	1467	0	4141

HGV%						
	A	B	C	D	E	Total
A	0.0%	1.5%	10.4%	27.8%	0.0%	
B	0.0%	0.0%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	7.4%	0.0%	12.1%	0.0%	0.0%	
E	27.6%	0.0%	0.0%	16.6%	0.0%	
Total						

0745-0845

Lights						
	A	B	C	D	E	Total
A	0	65	292	257	0	614
B	215	0	19	20	0	254
C	0	0	0	0	0	0
D	1171	16	364	0	0	1551
E	259	1	0	1110	0	1370
Total	1645	82	675	1387	0	3789

HGVs						
	A	B	C	D	E	Total
A	0	1	40	81	0	122
B	0	0	0	0	0	0
C	0	0	0	0	0	0
D	117	0	29	0	0	146
E	93	0	0	155	0	248
Total	210	1	69	236	0	516

Total Vehs						
	A	B	C	D	E	Total
A	0	66	332	338	0	736
B	215	0	19	20	0	254
C	0	0	0	0	0	0
D	1288	16	393	0	0	1697
E	352	1	0	1265	0	1618
Total	1855	83	744	1623	0	4305

HGV%						
	A	B	C	D	E	Total
A	0.0%	1.5%	12.0%	24.0%	0.0%	
B	0.0%	0.0%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	9.1%	0.0%	7.4%	0.0%	0.0%	
E	26.4%	0.0%	0.0%	12.3%	0.0%	
Total						

M40 J10: Ardley Roundabout

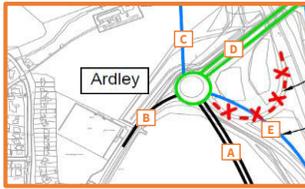


Diagram No: 30
 Traffic Flow Set: Ardley2_PM
 Strategic Options: 4,5

1530-1630

Lights						
	A	B	C	D	E	Total
A	0	131	315	449	0	895
B	173	0	7	16	0	196
C	0	0	0	0	0	0
D	530	24	394	0	0	948
E	124	3	0	1412	0	1539
Total	827	158	716	1877	0	3578

HGVs						
	A	B	C	D	E	Total
A	0	1	33	65	0	99
B	2	0	0	0	0	2
C	0	0	0	0	0	0
D	102	0	32	0	0	134
E	90	0	0	263	0	353
Total	194	1	65	328	0	588

Total Vehs						
	A	B	C	D	E	Total
A	0	132	348	514	0	994
B	175	0	7	16	0	198
C	0	0	0	0	0	0
D	632	24	426	0	0	1082
E	214	3	0	1675	0	1892
Total	1021	159	781	2205	0	4166

HGV%						
	A	B	C	D	E	Total
A	0.0%	0.8%	9.5%	12.6%	0.0%	
B	1.1%	0.0%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	16.1%	0.0%	7.5%	0.0%	0.0%	
E	42.1%	0.0%	0.0%	15.7%	0.0%	
Total						

1630-1730

Lights						
	A	B	C	D	E	Total
A	0	131	360	576	0	1067
B	173	0	7	16	0	196
C	0	0	0	0	0	0
D	574	24	405	0	0	1003
E	136	3	0	1596	0	1735
Total	883	158	772	2188	0	4001

HGVs						
	A	B	C	D	E	Total
A	0	1	30	59	0	90
B	2	0	0	0	0	2
C	0	0	0	0	0	0
D	93	0	40	0	0	133
E	81	0	0	188	0	269
Total	176	1	70	247	0	494

Total Vehs						
	A	B	C	D	E	Total
A	0	132	390	635	0	1157
B	175	0	7	16	0	198
C	0	0	0	0	0	0
D	667	24	445	0	0	1136
E	217	3	0	1784	0	2004
Total	1059	159	842	2435	0	4495

HGV%						
	A	B	C	D	E	Total
A	0.0%	0.8%	7.7%	9.3%	0.0%	
B	1.1%	0.0%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	0.0%	
D	13.9%	0.0%	9.0%	0.0%	0.0%	
E	37.3%	0.0%	0.0%	10.5%	0.0%	
Total						

M40 J10: Ardley Roundabout

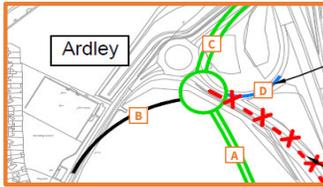


Diagram No: 31
 Traffic Flow Set: Ardley3_AM
 Strategic Options: 6,7

0645-0745

Lights					
	A	B	C	D	Total
A	0	66	1133	310	1509
B	219	0	15	20	254
C	1270	16	0	261	1547
D	0	0	0	0	0
Total	1489	82	1148	591	3310

HGVs					
	A	B	C	D	Total
A	0	1	271	36	308
B	0	0	0	0	0
C	102	0	0	36	138
D	0	0	0	0	0
Total	102	1	271	72	446

Total Vehs					
	A	B	C	D	Total
A	0	67	1404	346	1817
B	219	0	15	20	254
C	1372	16	0	297	1685
D	0	0	0	0	0
Total	1591	83	1419	663	3756

HGV%					
	A	B	C	D	Total
A	0.0%	1.5%	19.3%	10.4%	
B	0.0%	0.0%	0.0%	0.0%	
C	7.4%	0.0%	0.0%	12.1%	
D	0.0%	0.0%	0.0%	0.0%	
Total					

0745-0845

Lights					
	A	B	C	D	Total
A	0	66	1331	292	1689
B	218	0	17	19	254
C	1171	16	0	364	1551
D	0	0	0	0	0
Total	1389	82	1348	675	3494

HGVs					
	A	B	C	D	Total
A	0	1	234	40	275
B	0	0	0	0	0
C	117	0	0	29	146
D	0	0	0	0	0
Total	117	1	234	69	421

Total Vehs					
	A	B	C	D	Total
A	0	67	1565	332	1964
B	218	0	17	19	254
C	1288	16	0	393	1697
D	0	0	0	0	0
Total	1506	83	1582	744	3915

HGV%					
	A	B	C	D	Total
A	0.0%	1.5%	15.0%	12.0%	
B	0.0%	0.0%	0.0%	0.0%	
C	9.1%	0.0%	0.0%	7.4%	
D	0.0%	0.0%	0.0%	0.0%	
Total					

M40 J10: Ardley Roundabout

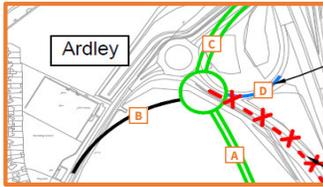


Diagram No: 32
 Traffic Flow Set: Ardley3_PM
 Strategic Options: 6,7

1530-1630

Lights					
	A	B	C	D	Total
A	0	134	1823	315	2272
B	174	0	15	7	196
C	530	24	0	394	948
D	0	0	0	0	0
Total	704	158	1838	716	3416

HGVs					
	A	B	C	D	Total
A	0	1	322	33	356
B	2	0	0	0	2
C	102	0	0	32	134
D	0	0	0	0	0
Total	104	1	322	65	492

Total Vehs					
	A	B	C	D	Total
A	0	135	2145	348	2628
B	176	0	15	7	198
C	632	24	0	426	1082
D	0	0	0	0	0
Total	808	159	2160	781	3908

HGV%					
	A	B	C	D	Total
A	0.0%	0.7%	15.0%	9.5%	
B	1.1%	0.0%	0.0%	0.0%	
C	16.1%	0.0%	0.0%	7.5%	
D	0.0%	0.0%	0.0%	0.0%	
Total					

1630-1730

Lights					
	A	B	C	D	Total
A	0	134	2105	360	2599
B	174	0	15	7	196
C	574	24	0	405	1003
D	0	0	0	0	0
Total	748	158	2120	772	3798

HGVs					
	A	B	C	D	Total
A	0	1	247	30	278
B	2	0	0	0	2
C	93	0	0	40	133
D	0	0	0	0	0
Total	95	1	247	70	413

Total Vehs					
	A	B	C	D	Total
A	0	135	2352	390	2877
B	176	0	15	7	198
C	667	24	0	445	1136
D	0	0	0	0	0
Total	843	159	2367	842	4211

HGV%					
	A	B	C	D	Total
A	0.0%	0.7%	10.5%	7.7%	
B	1.1%	0.0%	0.0%	0.0%	
C	13.9%	0.0%	0.0%	9.0%	
D	0.0%	0.0%	0.0%	0.0%	
Total					

M40 J10: Ardley Roundabout

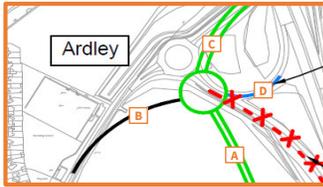


Diagram No: 33
 Traffic Flow Set: Ardley4_AM
 Strategic Options: 13,19

0645-0745

Lights					
	A	B	C	D	Total
A	0	66	1133	310	1509
B	219	0	15	20	254
C	1434	16	0	261	1711
D	0	0	0	0	0
Total	1653	82	1148	591	3474

HGVs					
	A	B	C	D	Total
A	0	1	271	36	308
B	0	0	0	0	0
C	157	0	0	36	193
D	0	0	0	0	0
Total	157	1	271	72	501

Total Vehs					
	A	B	C	D	Total
A	0	67	1404	346	1817
B	219	0	15	20	254
C	1591	16	0	297	1904
D	0	0	0	0	0
Total	1810	83	1419	663	3975

HGV%					
	A	B	C	D	Total
A	0.0%	1.5%	19.3%	10.4%	
B	0.0%	0.0%	0.0%	0.0%	
C	9.9%	0.0%	0.0%	12.1%	
D	0.0%	0.0%	0.0%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	68	1675	382	2125
B	219	0	15	20	254
C	1748	16	0	333	2097
D	0	0	0	0	0
Total	1967	84	1690	735	4476

0745-0845

Lights					
	A	B	C	D	Total
A	0	66	1331	292	1689
B	218	0	17	19	254
C	1366	16	0	364	1746
D	0	0	0	0	0
Total	1584	82	1348	675	3689

HGVs					
	A	B	C	D	Total
A	0	1	234	40	275
B	0	0	0	0	0
C	167	0	0	29	196
D	0	0	0	0	0
Total	167	1	234	69	471

Total Vehs					
	A	B	C	D	Total
A	0	67	1565	332	1964
B	218	0	17	19	254
C	1533	16	0	393	1942
D	0	0	0	0	0
Total	1751	83	1582	744	4160

HGV%					
	A	B	C	D	Total
A	0.0%	1.5%	15.0%	12.0%	
B	0.0%	0.0%	0.0%	0.0%	
C	10.9%	0.0%	0.0%	7.4%	
D	0.0%	0.0%	0.0%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	68	1799	372	2239
B	218	0	17	19	254
C	1700	16	0	422	2138
D	0	0	0	0	0
Total	1918	84	1816	813	4631

M40 J10: Ardley Roundabout

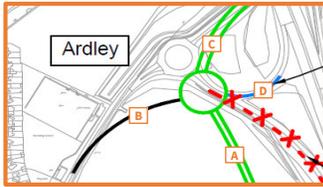


Diagram No: 34
 Traffic Flow Set: Ardley4_PM
 Strategic Options: 13,19

1530-1630

Lights					
	A	B	C	D	Total
A	0	134	1823	315	2272
B	174	0	15	7	196
C	744	24	0	394	1162
D	0	0	0	0	0
Total	918	158	1838	716	3630

HGVs					
	A	B	C	D	Total
A	0	1	322	33	356
B	2	0	0	0	2
C	148	0	0	32	180
D	0	0	0	0	0
Total	150	1	322	65	538

Total Vehs					
	A	B	C	D	Total
A	0	135	2145	348	2628
B	176	0	15	7	198
C	892	24	0	426	1342
D	0	0	0	0	0
Total	1068	159	2160	781	4168

HGV%					
	A	B	C	D	Total
A	0.0%	0.7%	15.0%	9.5%	
B	1.1%	0.0%	0.0%	0.0%	
C	16.6%	0.0%	0.0%	7.5%	
D	0.0%	0.0%	0.0%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	136	2467	381	2984
B	178	0	15	7	200
C	1040	24	0	458	1522
D	0	0	0	0	0
Total	1218	160	2482	846	4706

1630-1730

Lights					
	A	B	C	D	Total
A	0	134	2105	360	2599
B	174	0	15	7	196
C	746	24	0	405	1175
D	0	0	0	0	0
Total	920	158	2120	772	3970

HGVs					
	A	B	C	D	Total
A	0	1	247	30	278
B	2	0	0	0	2
C	136	0	0	40	176
D	0	0	0	0	0
Total	138	1	247	70	456

Total Vehs					
	A	B	C	D	Total
A	0	135	2352	390	2877
B	176	0	15	7	198
C	882	24	0	445	1351
D	0	0	0	0	0
Total	1058	159	2367	842	4426

HGV%					
	A	B	C	D	Total
A	0.0%	0.7%	10.5%	7.7%	
B	1.1%	0.0%	0.0%	0.0%	
C	15.4%	0.0%	0.0%	9.0%	
D	0.0%	0.0%	0.0%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	136	2599	420	3155
B	178	0	15	7	200
C	1018	24	0	485	1527
D	0	0	0	0	0
Total	1196	160	2614	912	4882

M40 J10: Ardley Roundabout

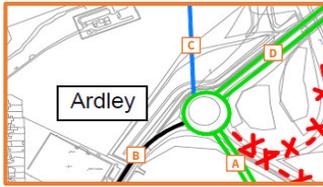


Diagram No: 35
 Traffic Flow Set: Ardley5_AM
 Strategic Options: 8,9,18

0645-0745

Lights					
	A	B	C	D	Total
A	0	66	310	1133	1509
B	219	0	20	15	254
C	0	0	0	0	0
D	1270	16	261	0	1547
Total	1489	82	591	1148	3310

HGVs					
	A	B	C	D	Total
A	0	1	36	271	308
B	0	0	0	0	0
C	0	0	0	0	0
D	102	0	36	0	138
Total	102	1	72	271	446

Total Vehs					
	A	B	C	D	Total
A	0	67	346	1404	1817
B	219	0	20	15	254
C	0	0	0	0	0
D	1372	16	297	0	1685
Total	1591	83	663	1419	3756

HGV%					
	A	B	C	D	Total
A	0.0%	1.5%	10.4%	19.3%	
B	0.0%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	
D	7.4%	0.0%	12.1%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	68	382	1675	2125
B	219	0	20	15	254
C	0	0	0	0	0
D	1474	16	333	0	1823
Total	1693	84	735	1690	4202

0745-0845

Lights					
	A	B	C	D	Total
A	0	66	292	1331	1689
B	218	0	19	17	254
C	0	0	0	0	0
D	1171	16	364	0	1551
Total	1389	82	675	1348	3494

HGVs					
	A	B	C	D	Total
A	0	1	40	234	275
B	0	0	0	0	0
C	0	0	0	0	0
D	117	0	29	0	146
Total	117	1	69	234	421

Total Vehs					
	A	B	C	D	Total
A	0	67	332	1565	1964
B	218	0	19	17	254
C	0	0	0	0	0
D	1288	16	393	0	1697
Total	1506	83	744	1582	3915

HGV%					
	A	B	C	D	Total
A	0.0%	1.5%	12.0%	15.0%	
B	0.0%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	
D	9.1%	0.0%	7.4%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	68	372	1799	2239
B	218	0	19	17	254
C	0	0	0	0	0
D	1405	16	422	0	1843
Total	1623	84	813	1816	4336

M40 J10: Ardley Roundabout

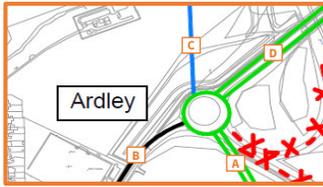


Diagram No: 36
 Traffic Flow Set: Ardley5_PM
 Strategic Options: 8,9,18

1530-1630

Lights					
	A	B	C	D	Total
A	0	134	315	1823	2272
B	174	0	7	15	196
C	0	0	0	0	0
D	530	24	394	0	948
Total	704	158	716	1838	3416

HGVs					
	A	B	C	D	Total
A	0	1	33	322	356
B	2	0	0	0	2
C	0	0	0	0	0
D	102	0	32	0	134
Total	104	1	65	322	492

Total Vehs					
	A	B	C	D	Total
A	0	135	348	2145	2628
B	176	0	7	15	198
C	0	0	0	0	0
D	632	24	426	0	1082
Total	808	159	781	2160	3908

HGV%					
	A	B	C	D	Total
A	0.0%	0.7%	9.5%	15.0%	
B	1.1%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	
D	16.1%	0.0%	7.5%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	136	381	2467	2984
B	178	0	7	15	200
C	0	0	0	0	0
D	734	24	458	0	1216
Total	912	160	846	2482	4400

1630-1730

Lights					
	A	B	C	D	Total
A	0	134	360	2105	2599
B	174	0	7	15	196
C	0	0	0	0	0
D	574	24	405	0	1003
Total	748	158	772	2120	3798

HGVs					
	A	B	C	D	Total
A	0	1	30	247	278
B	2	0	0	0	2
C	0	0	0	0	0
D	93	0	40	0	133
Total	95	1	70	247	413

Total Vehs					
	A	B	C	D	Total
A	0	135	390	2352	2877
B	176	0	7	15	198
C	0	0	0	0	0
D	667	24	445	0	1136
Total	843	159	842	2367	4211

HGV%					
	A	B	C	D	Total
A	0.0%	0.7%	7.7%	10.5%	
B	1.1%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	
D	13.9%	0.0%	9.0%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	136	420	2599	3155
B	178	0	7	15	200
C	0	0	0	0	0
D	760	24	485	0	1269
Total	938	160	912	2614	4624

M40 J10: Ardley Roundabout

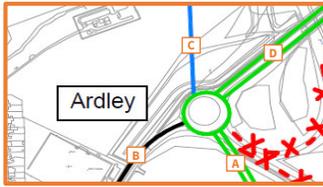


Diagram No: 37
 Traffic Flow Set: Ardley6_AM
 Strategic Options: 10,11,12

0645-0745

Lights					
	A	B	C	D	Total
A	0	66	310	1133	1509
B	219	0	20	15	254
C	0	0	0	0	0
D	1434	16	261	0	1711
Total	1653	82	591	1148	3474

HGVs					
	A	B	C	D	Total
A	0	1	36	271	308
B	0	0	0	0	0
C	0	0	0	0	0
D	157	0	36	0	193
Total	157	1	72	271	501

Total Vehs					
	A	B	C	D	Total
A	0	67	346	1404	1817
B	219	0	20	15	254
C	0	0	0	0	0
D	1591	16	297	0	1904
Total	1810	83	663	1419	3975

HGV%					
	A	B	C	D	Total
A	0.0%	1.5%	10.4%	19.3%	
B	0.0%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	
D	9.9%	0.0%	12.1%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	68	382	1675	2125
B	219	0	20	15	254
C	0	0	0	0	0
D	1748	16	333	0	2097
Total	1967	84	735	1690	4476

0745-0845

Lights					
	A	B	C	D	Total
A	0	66	292	1331	1689
B	218	0	19	17	254
C	0	0	0	0	0
D	1366	16	364	0	1746
Total	1584	82	675	1348	3689

HGVs					
	A	B	C	D	Total
A	0	1	40	234	275
B	0	0	0	0	0
C	0	0	0	0	0
D	167	0	29	0	196
Total	167	1	69	234	471

Total Vehs					
	A	B	C	D	Total
A	0	67	332	1565	1964
B	218	0	19	17	254
C	0	0	0	0	0
D	1533	16	393	0	1942
Total	1751	83	744	1582	4160

HGV%					
	A	B	C	D	Total
A	0.0%	1.5%	12.0%	15.0%	
B	0.0%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	
D	10.9%	0.0%	7.4%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	68	372	1799	2239
B	218	0	19	17	254
C	0	0	0	0	0
D	1700	16	422	0	2138
Total	1918	84	813	1816	4631

M40 J10: Ardley Roundabout

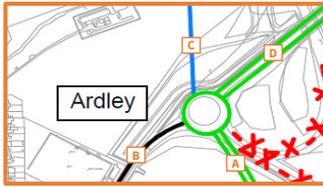


Diagram No: 38
 Traffic Flow Set: Ardley6_PM
 Strategic Options: 10,11,12

1530-1630

Lights					
	A	B	C	D	Total
A	0	134	315	1823	2272
B	174	0	7	15	196
C	0	0	0	0	0
D	744	24	394	0	1162
Total	918	158	716	1838	3630

HGVs					
	A	B	C	D	Total
A	0	1	33	322	356
B	2	0	0	0	2
C	0	0	0	0	0
D	148	0	32	0	180
Total	150	1	65	322	538

Total Vehs					
	A	B	C	D	Total
A	0	135	348	2145	2628
B	176	0	7	15	198
C	0	0	0	0	0
D	892	24	426	0	1342
Total	1068	159	781	2160	4168

HGV%					
	A	B	C	D	Total
A	0.0%	0.7%	9.5%	15.0%	
B	1.1%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	
D	16.6%	0.0%	7.5%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	136	381	2467	2984
B	178	0	7	15	200
C	0	0	0	0	0
D	1040	24	458	0	1522
Total	1218	160	846	2482	4706

1630-1730

Lights					
	A	B	C	D	Total
A	0	134	360	2105	2599
B	174	0	7	15	196
C	0	0	0	0	0
D	746	24	405	0	1175
Total	920	158	772	2120	3970

HGVs					
	A	B	C	D	Total
A	0	1	30	247	278
B	2	0	0	0	2
C	0	0	0	0	0
D	136	0	40	0	176
Total	138	1	70	247	456

Total Vehs					
	A	B	C	D	Total
A	0	135	390	2352	2877
B	176	0	7	15	198
C	0	0	0	0	0
D	882	24	445	0	1351
Total	1058	159	842	2367	4426

HGV%					
	A	B	C	D	Total
A	0.0%	0.7%	7.7%	10.5%	
B	1.1%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	
D	15.4%	0.0%	9.0%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	136	420	2599	3155
B	178	0	7	15	200
C	0	0	0	0	0
D	1018	24	485	0	1527
Total	1196	160	912	2614	4882

M40 J10: Ardley Roundabout

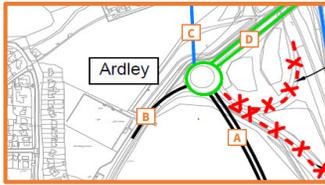


Diagram No: 39
 Traffic Flow Set: Ardley7_AM
 Strategic Options: 16

0645-0745

Lights					
	A	B	C	D	Total
A	0	66	310	503	879
B	215	0	20	19	254
C	0	0	0	0	0
D	1270	16	261	0	1547
Total	1485	82	591	522	2680

HGVs					
	A	B	C	D	Total
A	0	1	36	202	239
B	0	0	0	0	0
C	0	0	0	0	0
D	102	0	36	0	138
Total	102	1	72	202	377

Total Vehs					
	A	B	C	D	Total
A	0	67	346	705	1118
B	215	0	20	19	254
C	0	0	0	0	0
D	1372	16	297	0	1685
Total	1587	83	663	724	3057

HGV%					
	A	B	C	D	Total
A	0.0%	1.5%	10.4%	28.7%	
B	0.0%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	
D	7.4%	0.0%	12.1%	0.0%	
Total					

0745-0845

Lights					
	A	B	C	D	Total
A	0	66	292	513	871
B	215	0	19	20	254
C	0	0	0	0	0
D	1171	16	364	0	1551
Total	1386	82	675	533	2676

HGVs					
	A	B	C	D	Total
A	0	1	40	198	239
B	0	0	0	0	0
C	0	0	0	0	0
D	117	0	29	0	146
Total	117	1	69	198	385

Total Vehs					
	A	B	C	D	Total
A	0	67	332	711	1110
B	215	0	19	20	254
C	0	0	0	0	0
D	1288	16	393	0	1697
Total	1503	83	744	731	3061

HGV%					
	A	B	C	D	Total
A	0.0%	1.5%	12.0%	27.8%	
B	0.0%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	
D	9.1%	0.0%	7.4%	0.0%	
Total					

M40 J10: Ardley Roundabout

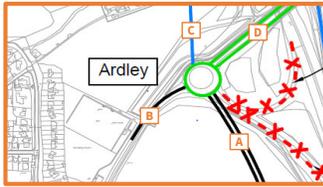


Diagram No: 40
 Traffic Flow Set: Ardley7_PM
 Strategic Options: 16

1530-1630

Lights					
	A	B	C	D	Total
A	0	134	315	913	1362
B	173	0	7	16	196
C	0	0	0	0	0
D	530	24	394	0	948
Total	703	158	716	929	2506

HGVs					
	A	B	C	D	Total
A	0	1	33	192	226
B	2	0	0	0	2
C	0	0	0	0	0
D	102	0	32	0	134
Total	104	1	65	192	362

Total Vehs					
	A	B	C	D	Total
A	0	135	348	1105	1588
B	175	0	7	16	198
C	0	0	0	0	0
D	632	24	426	0	1082
Total	807	159	781	1121	2868

HGV%					
	A	B	C	D	Total
A	0.0%	0.7%	9.5%	17.4%	
B	1.1%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	
D	16.1%	0.0%	7.5%	0.0%	
Total					

1630-1730

Lights					
	A	B	C	D	Total
A	0	134	360	1051	1545
B	173	0	7	16	196
C	0	0	0	0	0
D	574	24	405	0	1003
Total	747	158	772	1067	2744

HGVs					
	A	B	C	D	Total
A	0	1	30	181	212
B	2	0	0	0	2
C	0	0	0	0	0
D	93	0	40	0	133
Total	95	1	70	181	347

Total Vehs					
	A	B	C	D	Total
A	0	135	390	1232	1757
B	175	0	7	16	198
C	0	0	0	0	0
D	667	24	445	0	1136
Total	842	159	842	1248	3091

HGV%					
	A	B	C	D	Total
A	0.0%	0.7%	7.7%	14.7%	
B	1.1%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	
D	13.9%	0.0%	9.0%	0.0%	
Total					

M40 J10: Ardley Roundabout

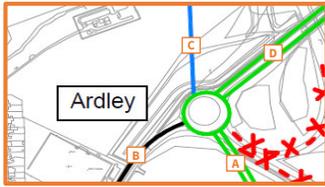


Diagram No: 41
 Traffic Flow Set: Ardley8_AM
 Strategic Options: 17

0645-0745

Lights					
	A	B	C	D	Total
A	0	66	310	221	597
B	219	0	20	15	254
C	0	0	0	0	0
D	1270	16	261	0	1547
Total	1489	82	591	236	2398

HGVs					
	A	B	C	D	Total
A	0	1	36	85	122
B	0	0	0	0	0
C	0	0	0	0	0
D	102	0	36	0	138
Total	102	1	72	85	260

Total Vehs					
	A	B	C	D	Total
A	0	67	346	306	719
B	219	0	20	15	254
C	0	0	0	0	0
D	1372	16	297	0	1685
Total	1591	83	663	321	2658

HGV%					
	A	B	C	D	Total
A	0.0%	1.5%	10.4%	27.8%	
B	0.0%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	
D	7.4%	0.0%	12.1%	0.0%	
Total					

0745-0845

Lights					
	A	B	C	D	Total
A	0	66	292	257	615
B	218	0	19	17	254
C	0	0	0	0	0
D	1171	16	364	0	1551
Total	1389	82	675	274	2420

HGVs					
	A	B	C	D	Total
A	0	1	40	81	122
B	0	0	0	0	0
C	0	0	0	0	0
D	117	0	29	0	146
Total	117	1	69	81	268

Total Vehs					
	A	B	C	D	Total
A	0	67	332	338	737
B	218	0	19	17	254
C	0	0	0	0	0
D	1288	16	393	0	1697
Total	1506	83	744	355	2688

HGV%					
	A	B	C	D	Total
A	0.0%	1.5%	12.0%	24.0%	
B	0.0%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	
D	9.1%	0.0%	7.4%	0.0%	
Total					

M40 J10: Ardley Roundabout

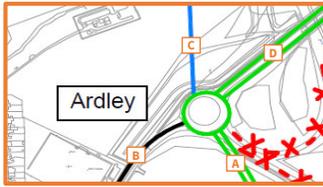


Diagram No: 42
 Traffic Flow Set: Ardley8_PM
 Strategic Options: 17

1530-1630

Lights					
	A	B	C	D	Total
A	0	134	315	449	898
B	174	0	7	15	196
C	0	0	0	0	0
D	530	24	394	0	948
Total	704	158	716	464	2042

HGVs					
	A	B	C	D	Total
A	0	1	33	65	99
B	2	0	0	0	2
C	0	0	0	0	0
D	102	0	32	0	134
Total	104	1	65	65	235

Total Vehs					
	A	B	C	D	Total
A	0	135	348	514	997
B	176	0	7	15	198
C	0	0	0	0	0
D	632	24	426	0	1082
Total	808	159	781	529	2277

HGV%					
	A	B	C	D	Total
A	0.0%	0.7%	9.5%	12.6%	
B	1.1%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	
D	16.1%	0.0%	7.5%	0.0%	
Total					

1630-1730

Lights					
	A	B	C	D	Total
A	0	134	360	576	1070
B	174	0	7	15	196
C	0	0	0	0	0
D	574	24	405	0	1003
Total	748	158	772	591	2269

HGVs					
	A	B	C	D	Total
A	0	1	30	59	90
B	2	0	0	0	2
C	0	0	0	0	0
D	93	0	40	0	133
Total	95	1	70	59	225

Total Vehs					
	A	B	C	D	Total
A	0	135	390	635	1160
B	176	0	7	15	198
C	0	0	0	0	0
D	667	24	445	0	1136
Total	843	159	842	650	2494

HGV%					
	A	B	C	D	Total
A	0.0%	0.7%	7.7%	9.3%	
B	1.1%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	
D	13.9%	0.0%	9.0%	0.0%	
Total					

M40 J10: Ardley East Roundabout

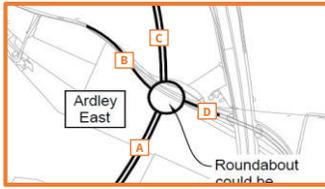


Diagram No: 43
 Traffic Flow Set: ArdleyEast1_AM
 Strategic Options: 1,2,14,15

0645-0745

Lights					
	A	B	C	D	Total
A	0	48	506	151	705
B	26	0	39	189	254
C	1378	17	0	139	1534
D	10	17	94	0	121
Total	1414	82	639	479	2614

HGVs					
	A	B	C	D	Total
A	0	1	206	0	207
B	0	0	0	0	0
C	196	0	0	0	196
D	0	0	0	0	0
Total	196	1	206	0	403

Total Vehs					
	A	B	C	D	Total
A	0	49	712	151	912
B	26	0	39	189	254
C	1574	17	0	139	1730
D	10	17	94	0	121
Total	1610	83	845	479	3017

HGV%					
	A	B	C	D	Total
A	0.0%	2.0%	28.9%	0.0%	
B	0.0%	0.0%	0.0%	0.0%	
C	12.5%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	
Total					

0745-0845

Lights					
	A	B	C	D	Total
A	0	48	518	151	717
B	26	0	39	189	254
C	1291	17	0	139	1447
D	10	17	94	0	121
Total	1327	82	651	479	2539

HGVs					
	A	B	C	D	Total
A	0	1	209	0	210
B	0	0	0	0	0
C	210	0	0	0	210
D	0	0	0	0	0
Total	210	1	209	0	420

Total Vehs					
	A	B	C	D	Total
A	0	49	727	151	927
B	26	0	39	189	254
C	1501	17	0	139	1657
D	10	17	94	0	121
Total	1537	83	860	479	2959

HGV%					
	A	B	C	D	Total
A	0.0%	2.0%	28.7%	0.0%	
B	0.0%	0.0%	0.0%	0.0%	
C	14.0%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	
Total					

M40 J10: Ardley East Roundabout

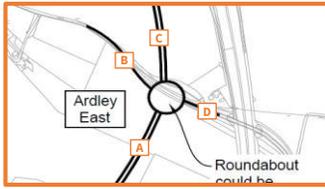


Diagram No: 44
 Traffic Flow Set: ArdleyEast1_PM
 Strategic Options: 1,2,14,15

1530-1630

Lights					
	A	B	C	D	Total
A	0	111	929	136	1176
B	123	0	23	50	196
C	599	27	0	55	681
D	88	20	89	0	197
Total	810	158	1041	241	2250

HGVs					
	A	B	C	D	Total
A	0	1	184	0	185
B	2	0	0	0	2
C	192	0	0	0	192
D	0	0	0	0	0
Total	194	1	184	0	379

Total Vehs					
	A	B	C	D	Total
A	0	112	1113	136	1361
B	125	0	23	50	198
C	791	27	0	55	873
D	88	20	89	0	197
Total	1004	159	1225	241	2629

HGV%					
	A	B	C	D	Total
A	0.0%	0.9%	16.5%	0.0%	
B	1.6%	0.0%	0.0%	0.0%	
C	24.3%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	
Total					

1630-1730

Lights					
	A	B	C	D	Total
A	0	111	1101	136	1348
B	123	0	23	50	196
C	656	27	0	54	737
D	88	20	89	0	197
Total	867	158	1213	240	2478

HGVs					
	A	B	C	D	Total
A	0	1	164	0	165
B	2	0	0	0	2
C	174	0	0	0	174
D	0	0	0	0	0
Total	176	1	164	0	341

Total Vehs					
	A	B	C	D	Total
A	0	112	1265	136	1513
B	125	0	23	50	198
C	830	27	0	54	911
D	88	20	89	0	197
Total	1043	159	1377	240	2819

HGV%					
	A	B	C	D	Total
A	0.0%	0.9%	13.0%	0.0%	
B	1.6%	0.0%	0.0%	0.0%	
C	21.0%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	
Total					

M40 J10: Ardley East Roundabout

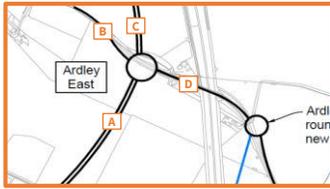


Diagram No: 45
 Traffic Flow Set: ArdleyEast2_AM
 Strategic Options: 4,5

0645-0745

Lights					
	A	B	C	D	Total
A	0	48	445	212	705
B	26	0	35	193	254
C	1378	17	0	139	1534
D	10	17	86	0	113
Total	1414	82	566	544	2606

HGVs					
	A	B	C	D	Total
A	0	1	121	85	207
B	0	0	0	0	0
C	196	0	0	0	196
D	0	0	0	0	0
Total	196	1	121	85	403

Total Vehs					
	A	B	C	D	Total
A	0	49	566	297	912
B	26	0	35	193	254
C	1574	17	0	139	1730
D	10	17	86	0	113
Total	1610	83	687	629	3009

HGV%					
	A	B	C	D	Total
A	0.0%	2.0%	21.4%	28.6%	
B	0.0%	0.0%	0.0%	0.0%	
C	12.5%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	
Total					

0745-0845

Lights					
	A	B	C	D	Total
A	0	48	462	207	717
B	26	0	36	192	254
C	1291	17	0	139	1447
D	10	17	87	0	114
Total	1327	82	585	538	2532

HGVs					
	A	B	C	D	Total
A	0	1	121	88	210
B	0	0	0	0	0
C	210	0	0	0	210
D	0	0	0	0	0
Total	210	1	121	88	420

Total Vehs					
	A	B	C	D	Total
A	0	49	583	295	927
B	26	0	36	192	254
C	1501	17	0	139	1657
D	10	17	87	0	114
Total	1537	83	706	626	2952

HGV%					
	A	B	C	D	Total
A	0.0%	2.0%	20.8%	29.8%	
B	0.0%	0.0%	0.0%	0.0%	
C	14.0%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	
Total					

M40 J10: Ardley East Roundabout

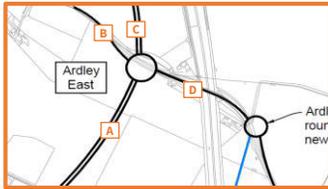


Diagram No: 46
 Traffic Flow Set: ArdleyEast2_PM
 Strategic Options: 4,5

1530-1630

Lights					
	A	B	C	D	Total
A	0	111	679	386	1176
B	123	0	22	51	196
C	599	27	0	55	681
D	88	20	85	0	193
Total	810	158	786	492	2246

HGVs					
	A	B	C	D	Total
A	0	1	98	86	185
B	2	0	0	0	2
C	192	0	0	0	192
D	0	0	0	0	0
Total	194	1	98	86	379

Total Vehs					
	A	B	C	D	Total
A	0	112	777	472	1361
B	125	0	22	51	198
C	791	27	0	55	873
D	88	20	85	0	193
Total	1004	159	884	578	2625

HGV%					
	A	B	C	D	Total
A	0.0%	0.9%	12.6%	18.2%	
B	1.6%	0.0%	0.0%	0.0%	
C	24.3%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	
Total					

1630-1730

Lights					
	A	B	C	D	Total
A	0	111	850	387	1348
B	123	0	22	51	196
C	656	27	0	54	737
D	88	20	86	0	194
Total	867	158	958	492	2475

HGVs					
	A	B	C	D	Total
A	0	1	89	75	165
B	2	0	0	0	2
C	174	0	0	0	174
D	0	0	0	0	0
Total	176	1	89	75	341

Total Vehs					
	A	B	C	D	Total
A	0	112	939	462	1513
B	125	0	22	51	198
C	830	27	0	54	911
D	88	20	86	0	194
Total	1043	159	1047	567	2816

HGV%					
	A	B	C	D	Total
A	0.0%	0.9%	9.5%	16.2%	
B	1.6%	0.0%	0.0%	0.0%	
C	21.0%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	
Total					

M40 J10: Ardley East Roundabout

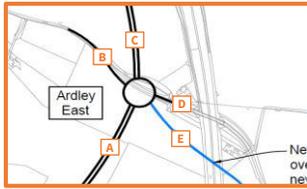


Diagram No: 47
 Traffic Flow Set: ArdleyEast3_AM
 Strategic Options: 5

0645-0745

Lights						
	A	B	C	D	E	Total
A	0	48	445	151	61	705
B	26	0	35	189	4	254
C	1378	17	0	139	0	1534
D	10	17	86	0	8	121
E	0	0	0	0	0	0
Total	1414	82	566	479	73	2614

HGVs						
	A	B	C	D	E	Total
A	0	1	121	0	85	207
B	0	0	0	0	0	0
C	196	0	0	0	0	196
D	0	0	0	0	0	0
E	0	0	0	0	0	0
Total	196	1	121	0	85	403

Total Vehs						
	A	B	C	D	E	Total
A	0	49	566	151	146	912
B	26	0	35	189	4	254
C	1574	17	0	139	0	1730
D	10	17	86	0	8	121
E	0	0	0	0	0	0
Total	1610	83	687	479	158	3017

HGV%						
	A	B	C	D	E	Total
A	0.0%	2.0%	21.4%	0.0%	58.2%	
B	0.0%	0.0%	0.0%	0.0%	0.0%	
C	12.5%	0.0%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	0.0%	
E	0.0%	0.0%	0.0%	0.0%	0.0%	
Total						

0745-0845

Lights						
	A	B	C	D	E	Total
A	0	48	462	151	56	717
B	26	0	36	189	3	254
C	1291	17	0	139	0	1447
D	10	17	87	0	7	121
E	0	0	0	0	0	0
Total	1327	82	585	479	66	2539

HGVs						
	A	B	C	D	E	Total
A	0	1	121	0	88	210
B	0	0	0	0	0	0
C	210	0	0	0	0	210
D	0	0	0	0	0	0
E	0	0	0	0	0	0
Total	210	1	121	0	88	420

Total Vehs						
	A	B	C	D	E	Total
A	0	49	583	151	144	927
B	26	0	36	189	3	254
C	1501	17	0	139	0	1657
D	10	17	87	0	7	121
E	0	0	0	0	0	0
Total	1537	83	706	479	154	2959

HGV%						
	A	B	C	D	E	Total
A	0.0%	2.0%	20.8%	0.0%	61.1%	
B	0.0%	0.0%	0.0%	0.0%	0.0%	
C	14.0%	0.0%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	0.0%	
E	0.0%	0.0%	0.0%	0.0%	0.0%	
Total						

M40 J10: Ardley East Roundabout

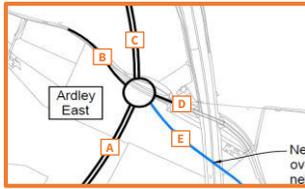


Diagram No: 48
 Traffic Flow Set: ArdleyEast3_PM
 Strategic Options: 6,7

1530-1630

Lights						
	A	B	C	D	E	Total
A	0	111	679	136	250	1176
B	123	0	22	50	1	196
C	599	27	0	55	0	681
D	88	20	85	0	4	197
E	0	0	0	0	0	0
Total	810	158	786	241	255	2250

HGVs						
	A	B	C	D	E	Total
A	0	1	98	0	86	185
B	2	0	0	0	0	2
C	192	0	0	0	0	192
D	0	0	0	0	0	0
E	0	0	0	0	0	0
Total	194	1	98	0	86	379

Total Vehs						
	A	B	C	D	E	Total
A	0	112	777	136	336	1361
B	125	0	22	50	1	198
C	791	27	0	55	0	873
D	88	20	85	0	4	197
E	0	0	0	0	0	0
Total	1004	159	884	241	341	2629

HGV%						
	A	B	C	D	E	Total
A	0.0%	0.9%	12.6%	0.0%	25.6%	
B	1.6%	0.0%	0.0%	0.0%	0.0%	
C	24.3%	0.0%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	0.0%	
E	0.0%	0.0%	0.0%	0.0%	0.0%	
Total						

1630-1730

Lights						
	A	B	C	D	E	Total
A	0	111	850	136	251	1348
B	123	0	22	50	1	196
C	656	27	0	54	0	737
D	88	20	86	0	3	197
E	0	0	0	0	0	0
Total	867	158	958	240	255	2478

HGVs						
	A	B	C	D	E	Total
A	0	1	89	0	75	165
B	2	0	0	0	0	2
C	174	0	0	0	0	174
D	0	0	0	0	0	0
E	0	0	0	0	0	0
Total	176	1	89	0	75	341

Total Vehs						
	A	B	C	D	E	Total
A	0	112	939	136	326	1513
B	125	0	22	50	1	198
C	830	27	0	54	0	911
D	88	20	86	0	3	197
E	0	0	0	0	0	0
Total	1043	159	1047	240	330	2819

HGV%						
	A	B	C	D	E	Total
A	0.0%	0.9%	9.5%	0.0%	23.0%	
B	1.6%	0.0%	0.0%	0.0%	0.0%	
C	21.0%	0.0%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	0.0%	
E	0.0%	0.0%	0.0%	0.0%	0.0%	
Total						

M40 J10: Ardley East Roundabout

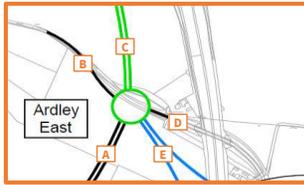


Diagram No: 49
 Traffic Flow Set: ArdleyEast4_AM
 Strategic Options: 13,19

0645-0745

Lights						
	A	B	C	D	E	Total
A	0	48	445	151	61	705
B	26	0	35	189	4	254
C	1138	16	0	132	0	1286
D	10	17	86	0	8	121
E	240	1	912	7	40	1200
Total	1414	82	1478	479	113	3566

HGVs						
	A	B	C	D	E	Total
A	0	1	121	0	85	207
B	0	0	0	0	0	0
C	102	0	0	0	0	102
D	0	0	0	0	0	0
E	94	0	186	0	4	284
Total	196	1	307	0	89	593

Total Vehs						
	A	B	C	D	E	Total
A	0	49	566	151	146	912
B	26	0	35	189	4	254
C	1240	16	0	132	0	1388
D	10	17	86	0	8	121
E	334	1	1098	7	44	1484
Total	1610	83	1785	479	202	4159

HGV%						
	A	B	C	D	E	Total
A	0.0%	2.0%	21.4%	0.0%	58.2%	
B	0.0%	0.0%	0.0%	0.0%	0.0%	
C	8.2%	0.0%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	0.0%	
E	28.1%	0.0%	16.9%	0.0%	9.1%	
Total						

PCUs						
	A	B	C	D	E	Total
A	0	50	687	151	231	1119
B	26	0	35	189	4	254
C	1342	16	0	132	0	1490
D	10	17	86	0	8	121
E	428	1	1284	7	48	1768
Total	1806	84	2092	479	291	4752

0745-0845

Lights						
	A	B	C	D	E	Total
A	0	48	462	151	56	717
B	26	0	36	189	3	254
C	1040	16	0	131	0	1187
D	10	17	87	0	7	121
E	251	1	1074	8	36	1370
Total	1327	82	1659	479	102	3649

HGVs						
	A	B	C	D	E	Total
A	0	1	121	0	88	210
B	0	0	0	0	0	0
C	117	0	0	0	0	117
D	0	0	0	0	0	0
E	93	0	153	0	2	248
Total	210	1	274	0	90	575

Total Vehs						
	A	B	C	D	E	Total
A	0	49	583	151	144	927
B	26	0	36	189	3	254
C	1157	16	0	131	0	1304
D	10	17	87	0	7	121
E	344	1	1227	8	38	1618
Total	1537	83	1933	479	192	4224

HGV%						
	A	B	C	D	E	Total
A	0.0%	2.0%	20.8%	0.0%	61.1%	
B	0.0%	0.0%	0.0%	0.0%	0.0%	
C	10.1%	0.0%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	0.0%	
E	27.0%	0.0%	12.5%	0.0%	5.3%	
Total						

PCUs						
	A	B	C	D	E	Total
A	0	50	704	151	232	1137
B	26	0	36	189	3	254
C	1274	16	0	131	0	1421
D	10	17	87	0	7	121
E	437	1	1380	8	40	1866
Total	1747	84	2207	479	282	4799

M40 J10: Ardley East Roundabout

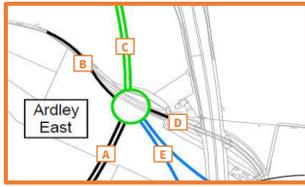


Diagram No: 50
 Traffic Flow Set: ArdleyEast4_PM
 Strategic Options: 13,19

1530-1630

Lights						
	A	B	C	D	E	Total
A	0	111	679	136	250	1176
B	123	0	22	50	1	196
C	481	24	0	49	0	554
D	88	20	85	0	4	197
E	118	3	1374	6	38	1539
Total	810	158	2160	241	293	3662

HGVs						
	A	B	C	D	E	Total
A	0	1	98	0	86	185
B	2	0	0	0	0	2
C	102	0	0	0	0	102
D	0	0	0	0	0	0
E	90	0	257	0	6	353
Total	194	1	355	0	92	642

Total Vehs						
	A	B	C	D	E	Total
A	0	112	777	136	336	1361
B	125	0	22	50	1	198
C	583	24	0	49	0	656
D	88	20	85	0	4	197
E	208	3	1631	6	44	1892
Total	1004	159	2515	241	385	4304

HGV%						
	A	B	C	D	E	Total
A	0.0%	0.9%	12.6%	0.0%	25.6%	
B	1.6%	0.0%	0.0%	0.0%	0.0%	
C	17.5%	0.0%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	0.0%	
E	43.3%	0.0%	15.8%	0.0%	13.6%	
Total						

PCUs						
	A	B	C	D	E	Total
A	0	113	875	136	422	1546
B	127	0	22	50	1	200
C	685	24	0	49	0	758
D	88	20	85	0	4	197
E	298	3	1888	6	50	2245
Total	1198	160	2870	241	477	4946

1630-1730

Lights						
	A	B	C	D	E	Total
A	0	111	850	136	251	1348
B	123	0	22	50	1	196
C	527	24	0	47	0	598
D	88	20	86	0	3	197
E	129	3	1529	7	67	1735
Total	867	158	2487	240	322	4074

HGVs						
	A	B	C	D	E	Total
A	0	1	89	0	75	165
B	2	0	0	0	0	2
C	93	0	0	0	0	93
D	0	0	0	0	0	0
E	81	0	188	0	0	269
Total	176	1	277	0	75	529

Total Vehs						
	A	B	C	D	E	Total
A	0	112	939	136	326	1513
B	125	0	22	50	1	198
C	620	24	0	47	0	691
D	88	20	86	0	3	197
E	210	3	1717	7	67	2004
Total	1043	159	2764	240	397	4603

HGV%						
	A	B	C	D	E	Total
A	0.0%	0.9%	9.5%	0.0%	23.0%	
B	1.6%	0.0%	0.0%	0.0%	0.0%	
C	15.0%	0.0%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	0.0%	
E	38.6%	0.0%	10.9%	0.0%	0.0%	
Total						

PCUs						
	A	B	C	D	E	Total
A	0	113	1028	136	401	1678
B	127	0	22	50	1	200
C	713	24	0	47	0	784
D	88	20	86	0	3	197
E	291	3	1905	7	67	2273
Total	1219	160	3041	240	472	5132

M40 J10: Ardley East Roundabout

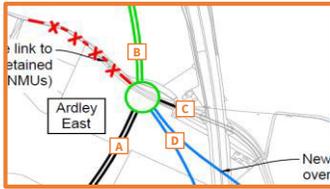


Diagram No: 51
Traffic Flow Set: ArdleyEast5_AM
Strategic Options: 8,9,18

0645-0745

Lights					
	A	B	C	D	Total
A	0	493	151	61	705
B	1164	0	321	4	1489
C	10	103	0	8	121
D	240	913	7	40	1200
Total	1414	1509	479	113	3515

HGVs					
	A	B	C	D	Total
A	0	122	0	85	207
B	102	0	0	0	102
C	0	0	0	0	0
D	94	186	0	4	284
Total	196	308	0	89	593

Total Vehs					
	A	B	C	D	Total
A	0	615	151	146	912
B	1266	0	321	4	1591
C	10	103	0	8	121
D	334	1099	7	44	1484
Total	1610	1817	479	202	4108

HGV%					
	A	B	C	D	Total
A	0.0%	19.8%	0.0%	58.2%	
B	8.1%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	
D	28.1%	16.9%	0.0%	9.1%	
Total					

0745-0845

Lights					
	A	B	C	D	Total
A	0	510	151	56	717
B	1066	0	320	3	1389
C	10	104	0	7	121
D	251	1075	8	36	1370
Total	1327	1689	479	102	3597

HGVs					
	A	B	C	D	Total
A	0	122	0	88	210
B	117	0	0	0	117
C	0	0	0	0	0
D	93	153	0	2	248
Total	210	275	0	90	575

Total Vehs					
	A	B	C	D	Total
A	0	632	151	144	927
B	1183	0	320	3	1506
C	10	104	0	7	121
D	344	1228	8	38	1618
Total	1537	1964	479	192	4172

HGV%					
	A	B	C	D	Total
A	0.0%	19.3%	0.0%	61.1%	
B	9.9%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	
D	27.0%	12.5%	0.0%	5.3%	
Total					

M40 J10: Ardley East Roundabout

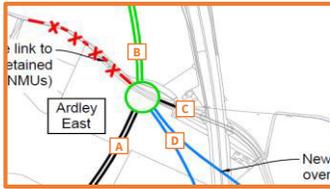


Diagram No: 52
 Traffic Flow Set: ArdleyEast5_PM
 Strategic Options: 8,9,18

1530-1630

Lights					
	A	B	C	D	Total
A	0	790	136	250	1176
B	604	0	99	1	704
C	88	105	0	4	197
D	118	1377	6	38	1539
Total	810	2272	241	293	3616

HGVs					
	A	B	C	D	Total
A	0	99	0	86	185
B	104	0	0	0	104
C	0	0	0	0	0
D	90	257	0	6	353
Total	194	356	0	92	642

Total Vehs					
	A	B	C	D	Total
A	0	889	136	336	1361
B	708	0	99	1	808
C	88	105	0	4	197
D	208	1634	6	44	1892
Total	1004	2628	241	385	4258

HGV%					
	A	B	C	D	Total
A	0.0%	11.1%	0.0%	25.6%	
B	14.7%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	
D	43.3%	15.7%	0.0%	13.6%	
Total					

1630-1730

Lights					
	A	B	C	D	Total
A	0	961	136	251	1348
B	650	0	97	1	748
C	88	106	0	3	197
D	129	1532	7	67	1735
Total	867	2599	240	322	4028

HGVs					
	A	B	C	D	Total
A	0	90	0	75	165
B	95	0	0	0	95
C	0	0	0	0	0
D	81	188	0	0	269
Total	176	278	0	75	529

Total Vehs					
	A	B	C	D	Total
A	0	1051	136	326	1513
B	745	0	97	1	843
C	88	106	0	3	197
D	210	1720	7	67	2004
Total	1043	2877	240	397	4557

HGV%					
	A	B	C	D	Total
A	0.0%	8.6%	0.0%	23.0%	
B	12.8%	0.0%	0.0%	0.0%	
C	0.0%	0.0%	0.0%	0.0%	
D	38.6%	10.9%	0.0%	0.0%	
Total					

M40 J10: Ardley East Roundabout

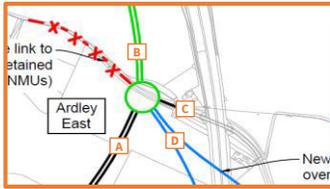


Diagram No: 53
 Traffic Flow Set: ArdleyEast6_AM
 Strategic Options: 10,11,12

0645-0745

Lights					
	A	B	C	D	Total
A	0	493	151	61	705
B	1164	0	321	168	1653
C	10	103	0	8	121
D	240	913	7	40	1200
Total	1414	1509	479	277	3679

HGVs					
	A	B	C	D	Total
A	0	122	0	85	207
B	102	0	0	55	157
C	0	0	0	0	0
D	94	186	0	4	284
Total	196	308	0	144	648

Total Vehs					
	A	B	C	D	Total
A	0	615	151	146	912
B	1266	0	321	223	1810
C	10	103	0	8	121
D	334	1099	7	44	1484
Total	1610	1817	479	421	4327

HGV%					
	A	B	C	D	Total
A	0.0%	19.8%	0.0%	58.2%	
B	8.1%	0.0%	0.0%	24.7%	
C	0.0%	0.0%	0.0%	0.0%	
D	28.1%	16.9%	0.0%	9.1%	
Total					

PCUs					
	A	B	C	D	Total
A	0	737	151	231	1119
B	1368	0	321	278	1967
C	10	103	0	8	121
D	428	1285	7	48	1768
Total	1806	2125	479	565	4975

0745-0845

Lights					
	A	B	C	D	Total
A	0	510	151	56	717
B	1066	0	320	198	1584
C	10	104	0	7	121
D	251	1075	8	36	1370
Total	1327	1689	479	297	3792

HGVs					
	A	B	C	D	Total
A	0	122	0	88	210
B	117	0	0	50	167
C	0	0	0	0	0
D	93	153	0	2	248
Total	210	275	0	140	625

Total Vehs					
	A	B	C	D	Total
A	0	632	151	144	927
B	1183	0	320	248	1751
C	10	104	0	7	121
D	344	1228	8	38	1618
Total	1537	1964	479	437	4417

HGV%					
	A	B	C	D	Total
A	0.0%	19.3%	0.0%	61.1%	
B	9.9%	0.0%	0.0%	20.2%	
C	0.0%	0.0%	0.0%	0.0%	
D	27.0%	12.5%	0.0%	5.3%	
Total					

PCUs					
	A	B	C	D	Total
A	0	754	151	232	1137
B	1300	0	320	298	1918
C	10	104	0	7	121
D	437	1381	8	40	1866
Total	1747	2239	479	577	5042

M40 J10: Ardley East Roundabout

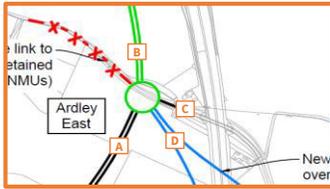


Diagram No: 54
 Traffic Flow Set: ArdleyEast6_PM
 Strategic Options: 10,11,12

1530-1630

Lights					
	A	B	C	D	Total
A	0	790	136	250	1176
B	604	0	99	215	918
C	88	105	0	4	197
D	118	1377	6	38	1539
Total	810	2272	241	507	3830

HGVs					
	A	B	C	D	Total
A	0	99	0	86	185
B	104	0	0	46	150
C	0	0	0	0	0
D	90	257	0	6	353
Total	194	356	0	138	688

Total Vehs					
	A	B	C	D	Total
A	0	889	136	336	1361
B	708	0	99	261	1068
C	88	105	0	4	197
D	208	1634	6	44	1892
Total	1004	2628	241	645	4518

HGV%					
	A	B	C	D	Total
A	0.0%	11.1%	0.0%	25.6%	
B	14.7%	0.0%	0.0%	17.6%	
C	0.0%	0.0%	0.0%	0.0%	
D	43.3%	15.7%	0.0%	13.6%	
Total					

PCUs					
	A	B	C	D	Total
A	0	988	136	422	1546
B	812	0	99	307	1218
C	88	105	0	4	197
D	298	1891	6	50	2245
Total	1198	2984	241	783	5206

1630-1730

Lights					
	A	B	C	D	Total
A	0	961	136	251	1348
B	650	0	97	173	920
C	88	106	0	3	197
D	129	1532	7	67	1735
Total	867	2599	240	494	4200

HGVs					
	A	B	C	D	Total
A	0	90	0	75	165
B	95	0	0	43	138
C	0	0	0	0	0
D	81	188	0	0	269
Total	176	278	0	118	572

Total Vehs					
	A	B	C	D	Total
A	0	1051	136	326	1513
B	745	0	97	216	1058
C	88	106	0	3	197
D	210	1720	7	67	2004
Total	1043	2877	240	612	4772

HGV%					
	A	B	C	D	Total
A	0.0%	8.6%	0.0%	23.0%	
B	12.8%	0.0%	0.0%	19.9%	
C	0.0%	0.0%	0.0%	0.0%	
D	38.6%	10.9%	0.0%	0.0%	
Total					

PCUs					
	A	B	C	D	Total
A	0	1141	136	401	1678
B	840	0	97	259	1196
C	88	106	0	3	197
D	291	1908	7	67	2273
Total	1219	3155	240	730	5344

M40 J10: Ardley East Roundabout

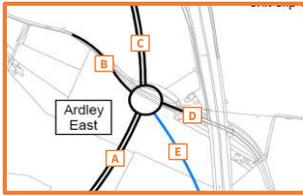


Diagram No: 55
 Traffic Flow Set: ArdleyEast7_AM
 Strategic Options: 16

0645-0745

Lights						
	A	B	C	D	E	Total
A	0	48	506	151	0	705
B	26	0	39	189	0	254
C	1138	16	0	132	0	1286
D	10	17	94	0	0	121
E	240	1	213	7	0	461
Total	1414	82	852	479	0	2827

HGVs						
	A	B	C	D	E	Total
A	0	1	206	0	0	207
B	0	0	0	0	0	0
C	102	0	0	0	0	102
D	0	0	0	0	0	0
E	94	0	32	0	0	126
Total	196	1	238	0	0	435

Total Vehs						
	A	B	C	D	E	Total
A	0	49	712	151	0	912
B	26	0	39	189	0	254
C	1240	16	0	132	0	1388
D	10	17	94	0	0	121
E	334	1	245	7	0	587
Total	1610	83	1090	479	0	3262

HGV%						
	A	B	C	D	E	Total
A	0.0%	2.0%	28.9%	0.0%	0.0%	
B	0.0%	0.0%	0.0%	0.0%	0.0%	
C	8.2%	0.0%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	0.0%	
E	28.1%	0.0%	13.1%	0.0%	0.0%	
Total						

0745-0845

Lights						
	A	B	C	D	E	Total
A	0	48	518	151	0	717
B	26	0	39	189	0	254
C	1040	16	0	131	0	1187
D	10	17	94	0	0	121
E	251	1	193	8	0	453
Total	1327	82	844	479	0	2732

HGVs						
	A	B	C	D	E	Total
A	0	1	209	0	0	210
B	0	0	0	0	0	0
C	117	0	0	0	0	117
D	0	0	0	0	0	0
E	93	0	29	0	0	122
Total	210	1	238	0	0	449

Total Vehs						
	A	B	C	D	E	Total
A	0	49	727	151	0	927
B	26	0	39	189	0	254
C	1157	16	0	131	0	1304
D	10	17	94	0	0	121
E	344	1	222	8	0	575
Total	1537	83	1082	479	0	3181

HGV%						
	A	B	C	D	E	Total
A	0.0%	2.0%	28.7%	0.0%	0.0%	
B	0.0%	0.0%	0.0%	0.0%	0.0%	
C	10.1%	0.0%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	0.0%	
E	27.0%	0.0%	13.1%	0.0%	0.0%	
Total						

M40 J10: Ardley East Roundabout

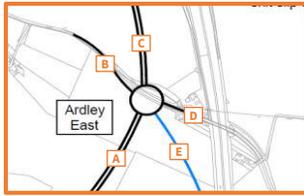


Diagram No: 56
 Traffic Flow Set: ArdleyEast7_PM
 Strategic Options: 16

1530-1630

Lights						
	A	B	C	D	E	Total
A	0	111	929	136	0	1176
B	123	0	23	50	0	196
C	481	24	0	49	0	554
D	88	20	89	0	0	197
E	118	3	210	6	0	337
Total	810	158	1251	241	0	2460

HGVs						
	A	B	C	D	E	Total
A	0	1	184	0	0	185
B	2	0	0	0	0	2
C	102	0	0	0	0	102
D	0	0	0	0	0	0
E	90	0	41	0	0	131
Total	194	1	225	0	0	420

Total Vehs						
	A	B	C	D	E	Total
A	0	112	1113	136	0	1361
B	125	0	23	50	0	198
C	583	24	0	49	0	656
D	88	20	89	0	0	197
E	208	3	251	6	0	468
Total	1004	159	1476	241	0	2880

HGV%						
	A	B	C	D	E	Total
A	0.0%	0.9%	16.5%	0.0%	0.0%	
B	1.6%	0.0%	0.0%	0.0%	0.0%	
C	17.5%	0.0%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	0.0%	
E	43.3%	0.0%	16.3%	0.0%	0.0%	
Total						

1630-1730

Lights						
	A	B	C	D	E	Total
A	0	111	1101	136	0	1348
B	123	0	23	50	0	196
C	527	24	0	47	0	598
D	88	20	89	0	0	197
E	129	3	221	7	0	360
Total	867	158	1434	240	0	2699

HGVs						
	A	B	C	D	E	Total
A	0	1	164	0	0	165
B	2	0	0	0	0	2
C	93	0	0	0	0	93
D	0	0	0	0	0	0
E	81	0	47	0	0	128
Total	176	1	211	0	0	388

Total Vehs						
	A	B	C	D	E	Total
A	0	112	1265	136	0	1513
B	125	0	23	50	0	198
C	620	24	0	47	0	691
D	88	20	89	0	0	197
E	210	3	268	7	0	488
Total	1043	159	1645	240	0	3087

HGV%						
	A	B	C	D	E	Total
A	0.0%	0.9%	13.0%	0.0%	0.0%	
B	1.6%	0.0%	0.0%	0.0%	0.0%	
C	15.0%	0.0%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	0.0%	
E	38.6%	0.0%	17.5%	0.0%	0.0%	
Total						

M40 J10: Ardley East Roundabout

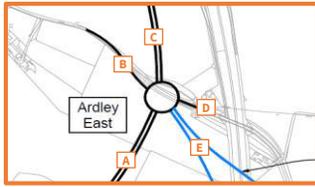


Diagram No: 57
 Traffic Flow Set: ArdleyEast8_AM
 Strategic Options: 17

0645-0745

Lights						
	A	B	C	D	E	Total
A	0	48	445	151	61	705
B	26	0	35	189	4	254
C	1138	16	0	132	0	1286
D	10	17	86	0	8	121
E	240	1	173	7	40	461
Total	1414	82	739	479	113	2827

HGVs						
	A	B	C	D	E	Total
A	0	1	121	0	85	207
B	0	0	0	0	0	0
C	102	0	0	0	0	102
D	0	0	0	0	0	0
E	94	0	28	0	4	126
Total	196	1	149	0	89	435

Total Vehs						
	A	B	C	D	E	Total
A	0	49	566	151	146	912
B	26	0	35	189	4	254
C	1240	16	0	132	0	1388
D	10	17	86	0	8	121
E	334	1	201	7	44	587
Total	1610	83	888	479	202	3262

HGV%						
	A	B	C	D	E	Total
A	0.0%	2.0%	21.4%	0.0%	58.2%	
B	0.0%	0.0%	0.0%	0.0%	0.0%	
C	8.2%	0.0%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	0.0%	
E	28.1%	0.0%	13.9%	0.0%	9.1%	
Total						

0745-0845

Lights						
	A	B	C	D	E	Total
A	0	48	462	151	56	717
B	26	0	36	189	3	254
C	1040	16	0	131	0	1187
D	10	17	87	0	7	121
E	251	1	157	8	36	453
Total	1327	82	742	479	102	2732

HGVs						
	A	B	C	D	E	Total
A	0	1	121	0	88	210
B	0	0	0	0	0	0
C	117	0	0	0	0	117
D	0	0	0	0	0	0
E	93	0	27	0	2	122
Total	210	1	148	0	90	449

Total Vehs						
	A	B	C	D	E	Total
A	0	49	583	151	144	927
B	26	0	36	189	3	254
C	1157	16	0	131	0	1304
D	10	17	87	0	7	121
E	344	1	184	8	38	575
Total	1537	83	890	479	192	3181

HGV%						
	A	B	C	D	E	Total
A	0.0%	2.0%	20.8%	0.0%	61.1%	
B	0.0%	0.0%	0.0%	0.0%	0.0%	
C	10.1%	0.0%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	0.0%	
E	27.0%	0.0%	14.7%	0.0%	5.3%	
Total						

M40 J10: Ardley East Roundabout

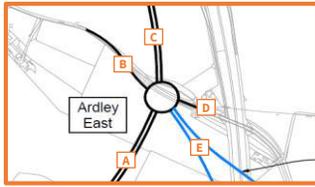


Diagram No: 58
 Traffic Flow Set: ArdleyEast8_PM
 Strategic Options: 17

1530-1630

Lights						
	A	B	C	D	E	Total
A	0	111	679	136	250	1176
B	123	0	22	50	1	196
C	481	24	0	49	0	554
D	88	20	85	0	4	197
E	118	3	172	6	38	337
Total	810	158	958	241	293	2460

HGVs						
	A	B	C	D	E	Total
A	0	1	98	0	86	185
B	2	0	0	0	0	2
C	102	0	0	0	0	102
D	0	0	0	0	0	0
E	90	0	35	0	6	131
Total	194	1	133	0	92	420

Total Vehs						
	A	B	C	D	E	Total
A	0	112	777	136	336	1361
B	125	0	22	50	1	198
C	583	24	0	49	0	656
D	88	20	85	0	4	197
E	208	3	207	6	44	468
Total	1004	159	1091	241	385	2880

HGV%						
	A	B	C	D	E	Total
A	0.0%	0.9%	12.6%	0.0%	25.6%	
B	1.6%	0.0%	0.0%	0.0%	0.0%	
C	17.5%	0.0%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	0.0%	
E	43.3%	0.0%	16.9%	0.0%	13.6%	
Total						

1630-1730

Lights						
	A	B	C	D	E	Total
A	0	111	850	136	251	1348
B	123	0	22	50	1	196
C	527	24	0	47	0	598
D	88	20	86	0	3	197
E	129	3	154	7	67	360
Total	867	158	1112	240	322	2699

HGVs						
	A	B	C	D	E	Total
A	0	1	89	0	75	165
B	2	0	0	0	0	2
C	93	0	0	0	0	93
D	0	0	0	0	0	0
E	81	0	47	0	0	128
Total	176	1	136	0	75	388

Total Vehs						
	A	B	C	D	E	Total
A	0	112	939	136	326	1513
B	125	0	22	50	1	198
C	620	24	0	47	0	691
D	88	20	86	0	3	197
E	210	3	201	7	67	488
Total	1043	159	1248	240	397	3087

HGV%						
	A	B	C	D	E	Total
A	0.0%	0.9%	9.5%	0.0%	23.0%	
B	1.6%	0.0%	0.0%	0.0%	0.0%	
C	15.0%	0.0%	0.0%	0.0%	0.0%	
D	0.0%	0.0%	0.0%	0.0%	0.0%	
E	38.6%	0.0%	23.4%	0.0%	0.0%	
Total						

M40 J10: Ardley East Roundabout

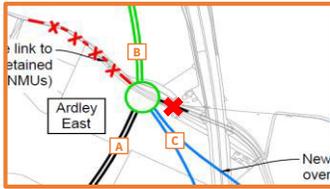


Diagram No: 59
Traffic Flow Set: ArdleyEast9_AM
Strategic Options: 10, 11, 13, 14, 15, 18, 19

0645-0745

Lights				
	A	B	C	Total
A	0	493	61	554
B	1164	0	168	1332
C	240	913	40	1193
Total	1404	1406	269	3079

HGVs				
	A	B	C	Total
A	0	122	85	207
B	102	0	55	157
C	94	186	4	284
Total	196	308	144	648

Total Vehs				
	A	B	C	Total
A	0	615	146	761
B	1266	0	223	1489
C	334	1099	44	1477
Total	1600	1714	413	3727

HGV%				
	A	B	C	Total
A	0.0%	19.8%	58.2%	
B	8.1%	0.0%	24.7%	
C	28.1%	16.9%	9.1%	
Total				

PCUs				
	A	B	C	Total
A	0	737	231	968
B	1368	0	278	1646
C	428	1285	48	1761
Total	1796	2022	557	4375

0745-0845

Lights				
	A	B	C	Total
A	0	510	56	566
B	1066	0	198	1264
C	251	1075	36	1362
Total	1317	1585	290	3192

HGVs				
	A	B	C	Total
A	0	122	88	210
B	117	0	50	167
C	93	153	2	248
Total	210	275	140	625

Total Vehs				
	A	B	D	Total
A	0	632	144	776
B	1183	0	248	1431
D	344	1228	38	1610
Total	1527	1860	430	3817

HGV%				
	A	B	C	Total
A	0.0%	19.3%	61.1%	
B	9.9%	0.0%	20.2%	
C	27.0%	12.5%	5.3%	
Total				

PCUs				
	A	B	C	Total
A	0	754	232	986
B	1300	0	298	1598
D	437	1381	40	1858
Total	1737	2135	570	4442

M40 J10: Ardley East Roundabout

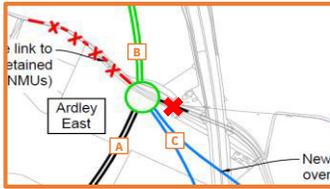


Diagram No: 60
 Traffic Flow Set: ArdleyEast9_PM
 Strategic Options: 10, 11, 13, 14, 15, 18, 19

1530-1630

Lights				
	A	B	C	Total
A	0	790	250	1040
B	604	0	215	819
C	118	1377	38	1533
Total	722	2167	503	3392

HGVs				
	A	B	C	Total
A	0	99	86	185
B	104	0	46	150
C	90	257	6	353
Total	194	356	138	688

Total Vehs				
	A	B	C	Total
A	0	889	336	1225
B	708	0	261	969
C	208	1634	44	1886
Total	916	2523	641	4080

HGV%				
	A	B	C	Total
A	0.0%	11.1%	25.6%	
B	14.7%	0.0%	17.6%	
C	43.3%	15.7%	13.6%	
Total				

PCUs				
	A	B	C	Total
A	0	988	422	1410
B	812	0	307	1119
C	298	1891	50	2239
Total	1110	2879	779	4768

1630-1730

Lights				
	A	B	C	Total
A	0	961	251	1212
B	650	0	173	823
C	129	1532	67	1728
Total	779	2493	491	3763

HGVs				
	A	B	C	Total
A	0	90	75	165
B	95	0	43	138
C	81	188	0	269
Total	176	278	118	572

Total Vehs				
	A	B	D	Total
A	0	1051	326	1377
B	745	0	216	961
D	210	1720	67	1997
Total	955	2771	609	4335

HGV%				
	A	B	C	Total
A	0.0%	8.6%	23.0%	
B	12.8%	0.0%	19.9%	
C	38.6%	10.9%	0.0%	
Total				

PCUs				
	A	B	C	Total
A	0	1141	401	1542
B	840	0	259	1099
D	291	1908	67	2266
Total	1131	3049	727	4907

Site Access Roundabout

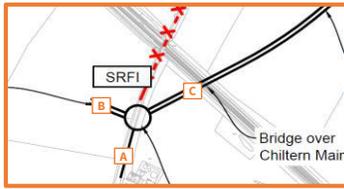


Diagram No: 61
Traffic Flow Set: Site Access_AM
Strategic Options: 10, 11, 13, 14, 15, 18, 19

0645-0745

Lights				
	A	B	C	Total
A	0	393	650	1043
B	42	0	55	97
C	904	510	0	1414
Total	946	903	705	2554

HGVs				
	A	B	C	Total
A	0	1	48	49
B	0	0	159	159
C	25	171	0	196
Total	25	172	207	404

Total Vehs				
	A	B	C	Total
A	0	394	698	1092
B	42	0	214	256
C	929	681	0	1610
Total	971	1075	912	2958

HGV%				
	A	B	C	Total
A	0.0%	0.3%	6.9%	
B	0.0%	0.0%	74.3%	
C	2.7%	25.1%	0.0%	
Total				

PCUs				
	A	B	C	Total
A	0	395	746	1141
B	42	0	373	415
C	954	852	0	1806
Total	996	1247	1119	3362

0745-0845

Lights				
	A	B	C	Total
A	0	393	662	1055
B	42	0	55	97
C	817	510	0	1327
Total	859	903	717	2479

HGVs				
	A	B	C	Total
A	0	1	51	52
B	0	0	159	159
C	39	171	0	210
Total	39	172	210	421

Total Vehs				
	A	B	C	Total
A	0	394	713	1107
B	42	0	214	256
C	856	681	0	1537
Total	898	1075	927	2900

HGV%				
	A	B	C	Total
A	0.0%	0.3%	7.2%	
B	0.0%	0.0%	74.3%	
C	4.6%	25.1%	0.0%	
Total				

PCUs				
	A	B	C	Total
A	0	395	764	1159
B	42	0	373	415
C	895	852	0	1747
Total	937	1247	1137	3321

Site Access Roundabout

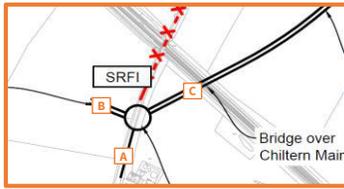


Diagram No: 62
Traffic Flow Set: Site Access_PM
Strategic Options: 10, 11, 13, 14, 15, 18, 19

1530-1730

Lights				
	A	B	C	Total
A	0	130	590	720
B	452	0	586	1038
C	643	167	0	810
Total	1095	297	1176	2568

HGVs				
	A	B	C	Total
A	0	1	26	27
B	0	0	159	159
C	23	171	0	194
Total	23	172	185	380

Total Vehs				
	A	B	C	Total
A	0	131	616	747
B	452	0	745	1197
C	666	338	0	1004
Total	1118	469	1361	2948

HGV%				
	A	B	C	Total
A	0.0%	0.8%	4.2%	
B	0.0%	0.0%	21.3%	
C	3.5%	50.6%	0.0%	
Total				

PCUs				
	A	B	C	Total
A	0	132	642	774
B	452	0	904	1356
C	689	509	0	1198
Total	1141	641	1546	3328

1630-1730

Lights				
	A	B	C	Total
A	0	130	762	892
B	452	0	586	1038
C	700	167	0	867
Total	1152	297	1348	2797

HGVs				
	A	B	C	Total
A	0	0	22	22
B	0	0	143	143
C	19	157		176
Total	19	157	165	341

Total Vehs				
	A	B	C	Total
A	0	130	784	914
B	452	0	729	1181
C	719	324	0	1043
Total	1171	454	1513	3138

HGV%				
	A	B	C	Total
A	0.0%	0.0%	2.8%	
B	0.0%	0.0%	19.6%	
C	2.6%	48.5%	0.0%	
Total				

PCUs				
	A	B	C	Total
A	0	130	806	936
B	452	0	872	1324
C	738	481	0	1219
Total	1190	611	1678	3479

M40 J10: Large Grade Separated Roundabout

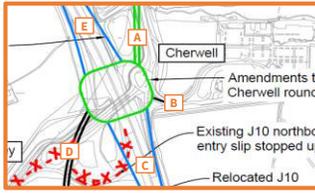


Diagram No: 63
 Traffic Flow Set: TwoBridge_AM
 Strategic Options: 3

0645-0745

Lights						
	A	B	C	D	E	Total
A	0	56	1166	875	183	2280
B	63	0	164	61	64	352
C	739	173	40	248	0	1200
D	215	21	73	0	330	639
E	291	145	0	350	14	800
Total	1308	395	1443	1534	591	5271

HGVs						
	A	B	C	D	E	Total
A	0	13	231	66	11	321
B	12	0	55	0	24	91
C	158	28	4	94	0	284
D	215	3	85	0	36	339
E	24	37	0	36	1	98
Total	409	81	375	196	72	1133

Total Vehs						
	A	B	C	D	E	Total
A	0	69	1397	941	194	2601
B	75	0	219	61	88	443
C	897	201	44	342	0	1484
D	430	24	158	0	366	978
E	315	182	0	386	15	898
Total	1717	476	1818	1730	663	6404

HGV%						
	A	B	C	D	E	Total
A	0.0%	18.8%	16.5%	7.0%	5.7%	
B	16.0%	0.0%	25.1%	0.0%	27.3%	
C	17.6%	13.9%	9.1%	27.5%	0.0%	
D	50.0%	12.5%	53.8%	0.0%	9.8%	
E	7.6%	20.3%	0.0%	9.3%	6.7%	
Total						

PCUs						
	A	B	C	D	E	Total
A	0	82	1628	1007	205	2922
B	87	0	274	61	112	534
C	1055	229	48	436	0	1768
D	645	27	243	0	402	1317
E	339	219	0	422	16	996
Total	2126	557	2193	1926	735	7537

0745-0845

Lights						
	A	B	C	D	E	Total
A	0	76	1181	708	238	2203
B	51	0	195	55	113	414
C	917	157	36	260	0	1370
D	246	28	66	0	311	651
E	279	151	0	424	13	867
Total	1493	412	1478	1447	675	5505

HGVs						
	A	B	C	D	E	Total
A	0	24	212	75	13	324
B	17	0	50	1	16	84
C	126	27	2	93	0	248
D	81	0	88	0	40	209
E	29	34	0	41	0	104
Total	253	85	352	210	69	969

Total Vehs						
	A	B	C	D	E	Total
A	0	100	1393	783	251	2527
B	68	0	245	56	129	498
C	1043	184	38	353	0	1618
D	327	28	154	0	351	860
E	308	185	0	465	13	971
Total	1746	497	1830	1657	744	6474

HGV%						
	A	B	C	D	E	Total
A	0.0%	24.0%	15.2%	9.6%	5.2%	
B	25.0%	0.0%	20.4%	1.8%	12.4%	
C	12.1%	14.7%	5.3%	26.3%	0.0%	
D	24.8%	0.0%	57.1%	0.0%	11.4%	
E	9.4%	18.4%	0.0%	8.8%	0.0%	
Total						

PCUs						
	A	B	C	D	E	Total
A	0	124	1605	858	264	2851
B	85	0	295	57	145	582
C	1169	211	40	446	0	1866
D	408	28	242	0	391	1069
E	337	219	0	506	13	1075
Total	1999	582	2182	1867	813	7443

M40 J10: Large Grade Separated Roundabout

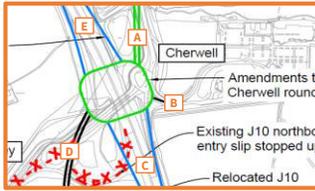


Diagram No: 64
Traffic Flow Set: TwoBridge_PM
Strategic Options: 3

1530-1630

Lights						
	A	B	C	D	E	Total
A	0	97	690	306	233	1326
B	82	0	214	25	154	475
C	1202	172	38	127	0	1539
D	453	11	255	0	322	1041
E	218	183	0	223	7	631
Total	1955	463	1197	681	716	5012

HGVs						
	A	B	C	D	E	Total
A	0	24	105	61	15	205
B	31	0	46	4	15	96
C	222	35	6	90	0	353
D	453	0	86	0	33	572
E	14	38	0	37	2	91
Total	720	97	243	192	65	1317

Total Vehs						
	A	B	C	D	E	Total
A	0	121	795	367	248	1531
B	113	0	260	29	169	571
C	1424	207	44	217	0	1892
D	906	11	341	0	355	1613
E	232	221	0	260	9	722
Total	2675	560	1440	873	781	6329

HGV%						
	A	B	C	D	E	Total
A	0.0%	19.8%	13.2%	16.6%	6.0%	
B	27.4%	0.0%	17.7%	13.8%	8.9%	
C	15.6%	16.9%	13.6%	41.5%	0.0%	
D	50.0%	0.0%	25.2%	0.0%	9.3%	
E	6.0%	17.2%	0.0%	14.2%	22.2%	
Total						

PCUs						
	A	B	C	D	E	Total
A	0	145	900	428	263	1736
B	144	0	306	33	184	667
C	1646	242	50	307	0	2245
D	1359	11	427	0	388	2185
E	246	259	0	297	11	813
Total	3395	657	1683	1065	846	7646

1630-1730

Lights						
	A	B	C	D	E	Total
A	0	95	767	283	253	1398
B	101	0	172	13	136	422
C	1375	154	67	139	0	1735
D	577	14	255	0	367	1213
E	290	165	0	302	16	773
Total	2343	428	1261	737	772	5541

HGVs						
	A	B	C	D	E	Total
A	0	6	86	61	9	162
B	14	0	43	2	30	89
C	141	47	0	81	0	269
D	56	3	75	0	30	164
E	14	32	0	30	1	77
Total	225	88	204	174	70	761

Total Vehs						
	A	B	C	D	E	Total
A	0	101	853	344	262	1560
B	115	0	215	15	166	511
C	1516	201	67	220	0	2004
D	633	17	330	0	397	1377
E	304	197	0	332	17	850
Total	2568	516	1465	911	842	6302

HGV%						
	A	B	C	D	E	Total
A	0.0%	5.9%	10.1%	17.7%	3.4%	
B	12.2%	0.0%	20.0%	13.3%	18.1%	
C	9.3%	23.4%	0.0%	36.8%	0.0%	
D	8.8%	17.6%	22.7%	0.0%	7.6%	
E	4.6%	16.2%	0.0%	9.0%	5.9%	
Total						

PCUs						
	A	B	C	D	E	Total
A	0	107	939	405	271	1722
B	129	0	258	17	196	600
C	1657	248	67	301	0	2273
D	689	20	405	0	427	1541
E	318	229	0	362	18	927
Total	2793	604	1669	1085	912	7063