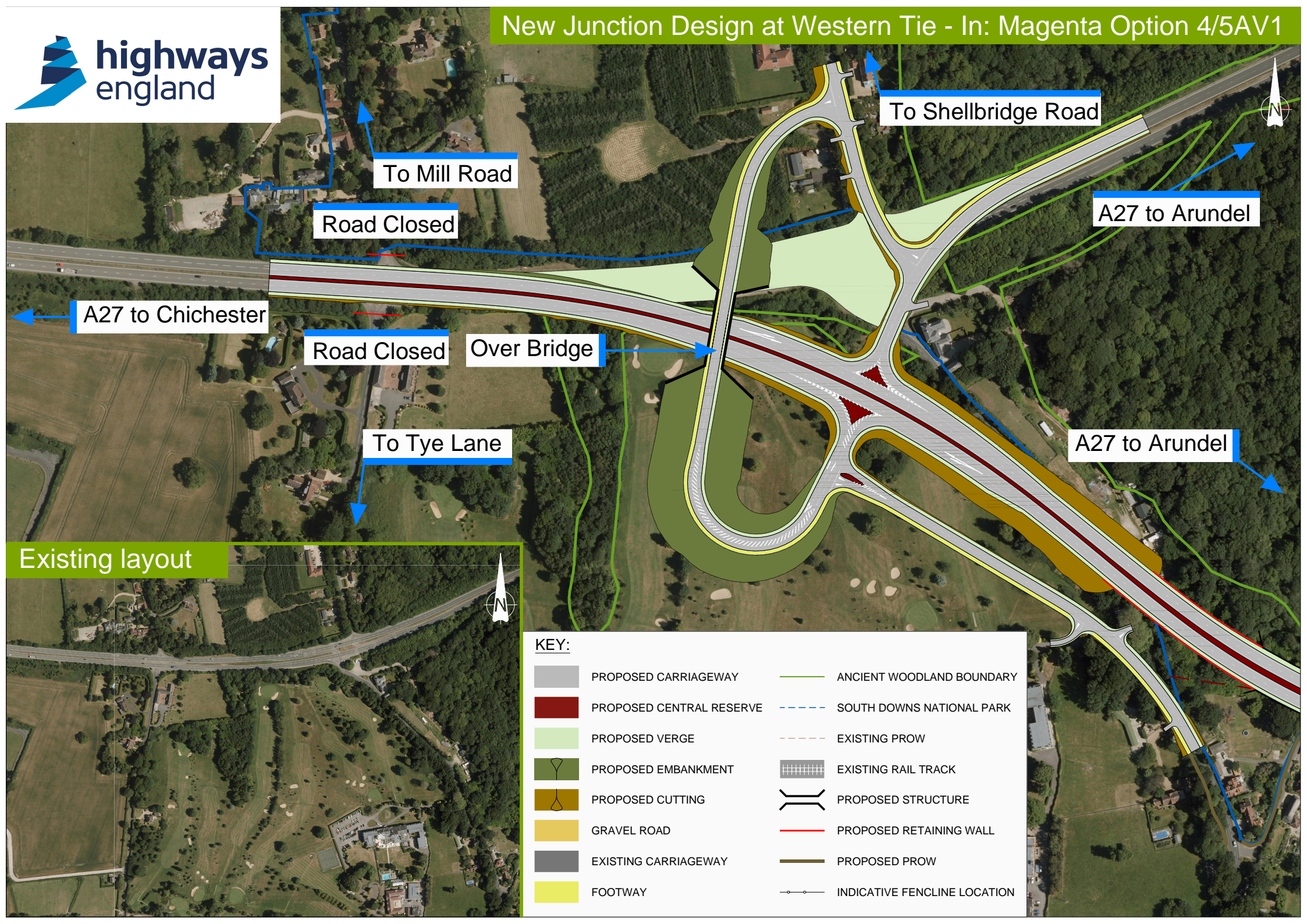


Appendix A

Western tie-in junction

**Detailed Western
tie in junction
arrangement**



To Mill Road

To Shellbridge Road

Road Closed

A27 to Arundel

A27 to Chichester

Road Closed

Over Bridge

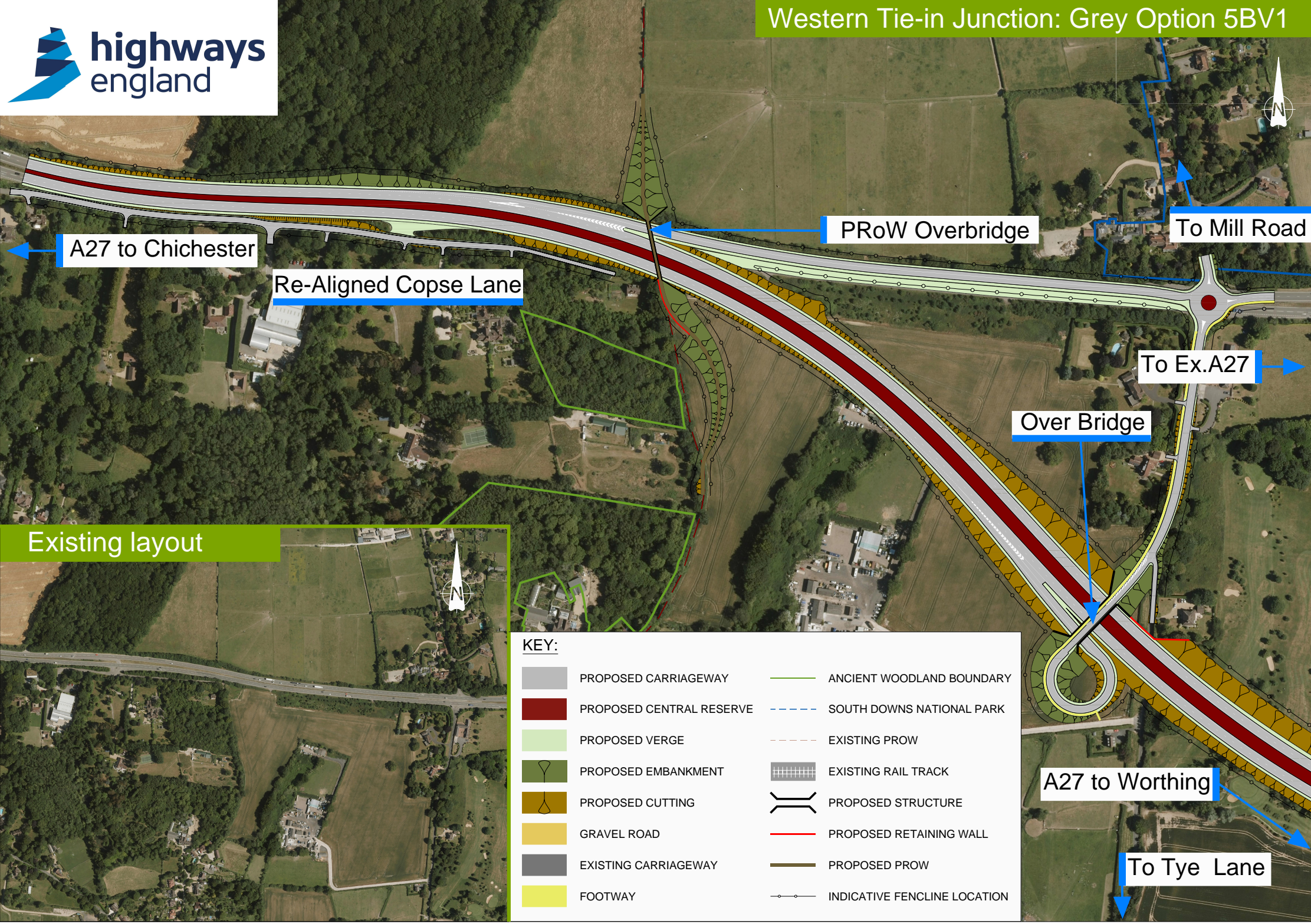
To Tye Lane

A27 to Arundel

Existing layout

KEY:

- | | | | |
|--|--------------------------|--|------------------------------|
| | PROPOSED CARRIAGEWAY | | ANCIENT WOODLAND BOUNDARY |
| | PROPOSED CENTRAL RESERVE | | SOUTH DOWNS NATIONAL PARK |
| | PROPOSED VERGE | | EXISTING PROW |
| | PROPOSED EMBANKMENT | | EXISTING RAIL TRACK |
| | PROPOSED CUTTING | | PROPOSED STRUCTURE |
| | GRAVEL ROAD | | PROPOSED RETAINING WALL |
| | EXISTING CARRIAGEWAY | | PROPOSED PROW |
| | FOOTWAY | | INDICATIVE FENCLINE LOCATION |



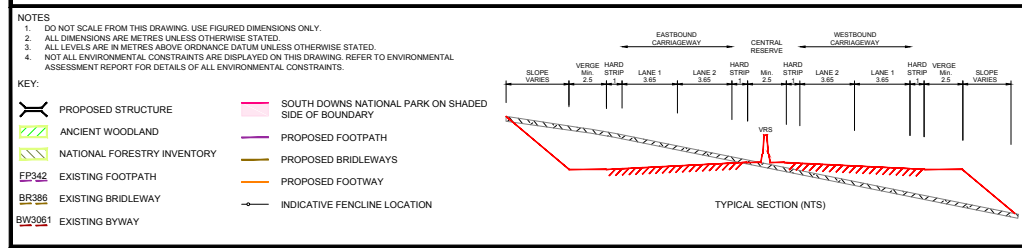
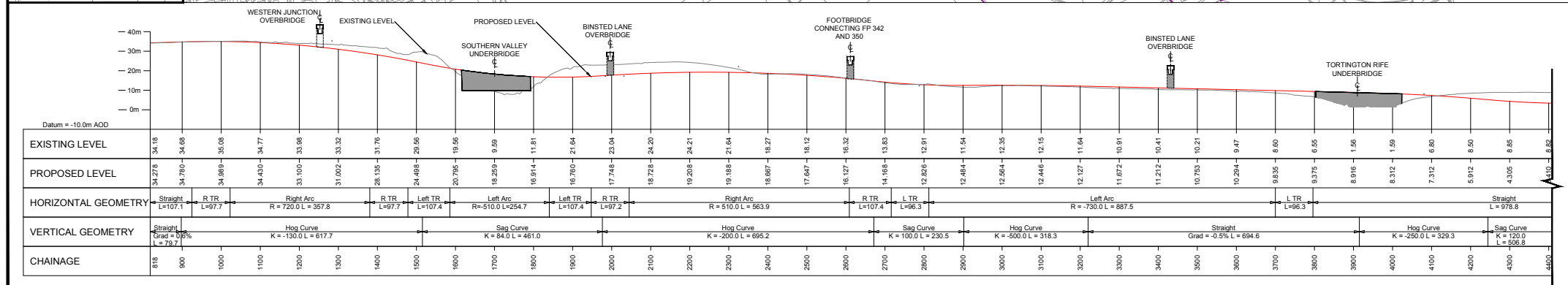
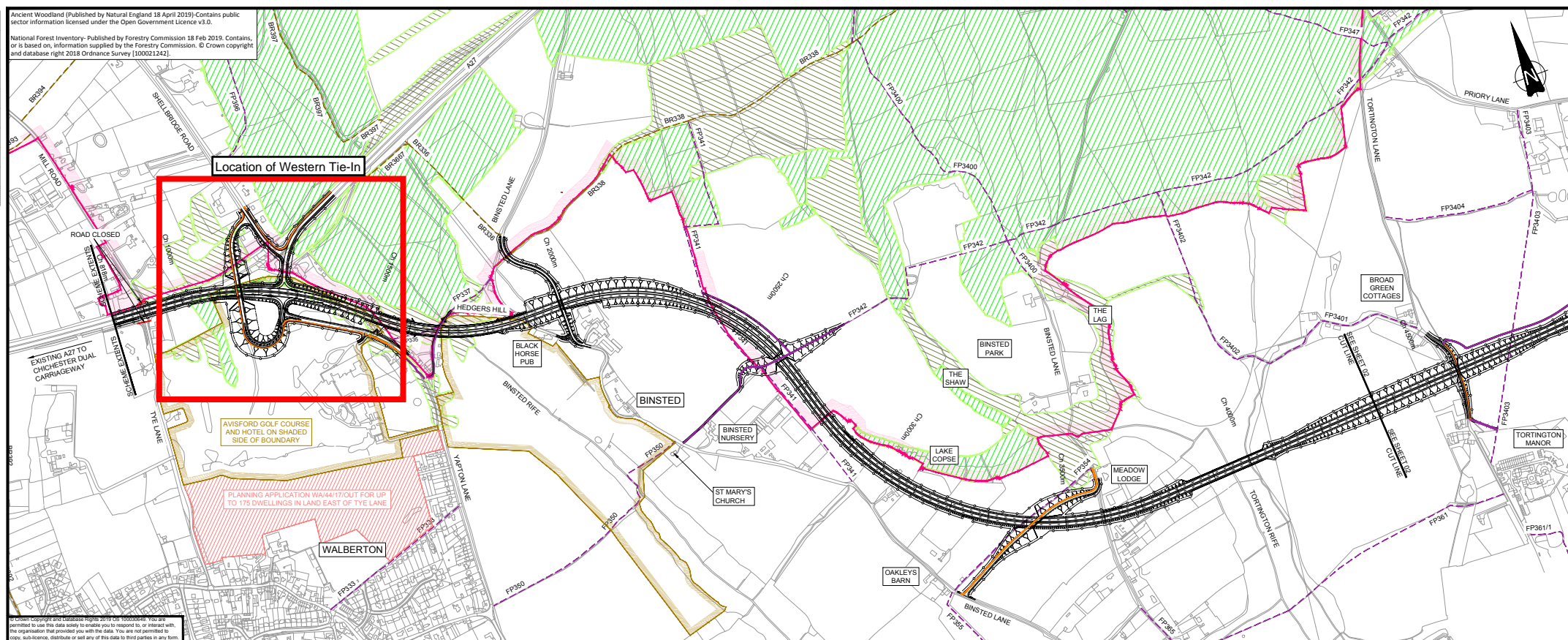
Existing layout

KEY:

- | | | | |
|--|--------------------------|--|-------------------------------|
| | PROPOSED CARRIAGEWAY | | ANCIENT WOODLAND BOUNDARY |
| | PROPOSED CENTRAL RESERVE | | SOUTH DOWNS NATIONAL PARK |
| | PROPOSED VERGE | | EXISTING PROW |
| | PROPOSED EMBANKMENT | | EXISTING RAIL TRACK |
| | PROPOSED CUTTING | | PROPOSED STRUCTURE |
| | GRAVEL ROAD | | PROPOSED RETAINING WALL |
| | EXISTING CARRIAGEWAY | | PROPOSED PROW |
| | FOOTWAY | | INDICATIVE FENCELINE LOCATION |

Appendix A-2
**Western
tie in junction in:
scheme extent**

DO NOT SCALE



SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

Refer to Residual Hazard Drawings and Designer Risk Management Schedule.

Rev.	Date	Description	Drawn	Eng Check	Disc Check	Auth.
P01	23/11/18	First Revision	DE	SM	SH	---
P02	04/02/19	Updated for 2nd Rev of Benchmark Quants	SM	RT	SH	---
P03	26/02/19	Changes to P16W and Floodplain Levels	SN	RT	SH	---
P04	24/05/19	Updates to Crosswalk Junction for Design P16a	DE	RT	SH	---
P05	12/07/19	Amended for DF2a	DE	RT	SH	---

Suitable for Information Status: **S2** Project Title: **A27 ARUNDEL BYPASS**

wsp
Mountbatten House, Basing View, Basingstoke, RG21 4HJ, UK
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wsp.com

highways england

ENGINEERING LAYOUT OPTION 4/5A V1 SHEET 1 OF 2

Scale	Drawn	Eng Check	Disc Check	Authorised
1:5000	D.Eddy	R.Tattersall	S.Haagman	---

Original Issue	Date	Disc Check	Date	Authorised
A1	12/07/19	15/07/19	15/07/19	---

Drawing Number: **HE551523** I Originator: **WSP** I Volume: **HGN**

C5A O3 VE A1 DR CH 00001 P05

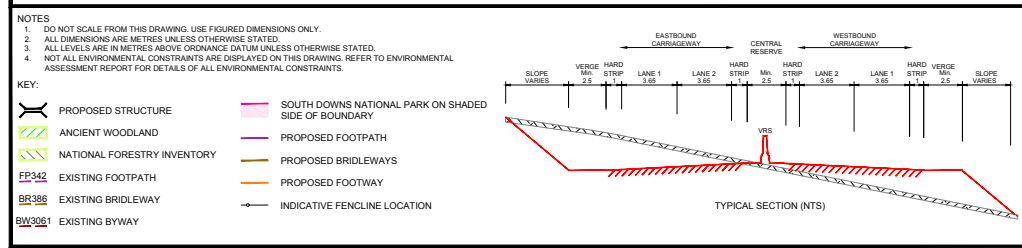
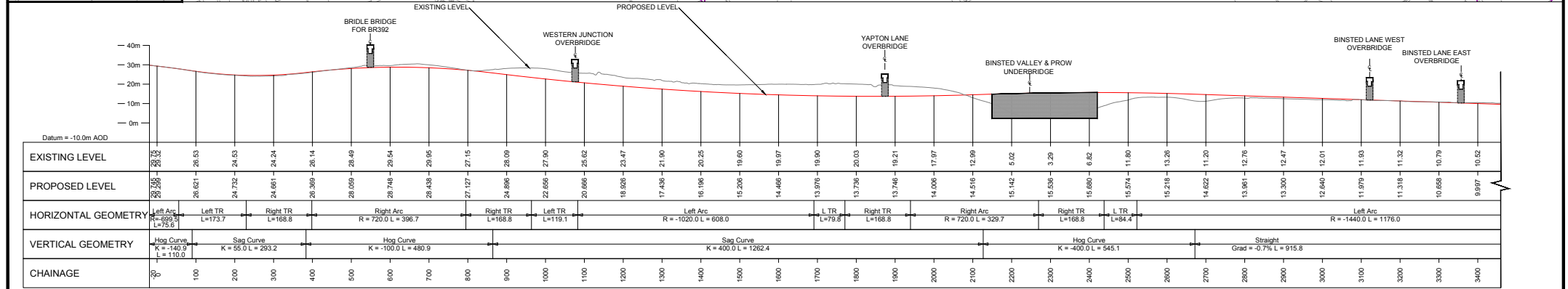
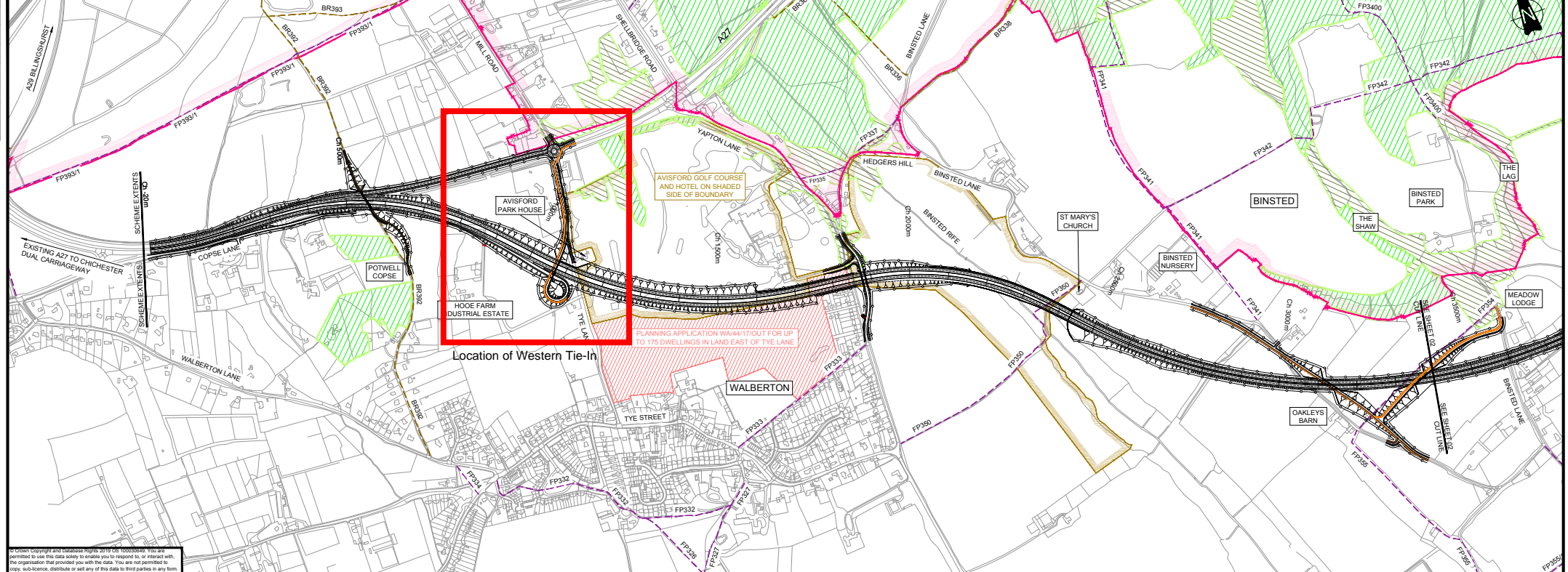
WSP Security Class: Confidential

WSP Project Number: 7004480 WSP Project Title: A27 ARUNDEL BYPASS
WSP Drawing Number: HE551523-WSP-HGN-C5A_O3_VE_A1-DR-CH-00001

DO NOT SCALE

100
0 10
Metres

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National Forest Inventory- Published by Forestry Commission 18 Feb 2019. Contains, or is based on, information supplied by the Forestry Commission. © Crown copyright and database right 2018 Ordnance Survey [100021242].



SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION				
Refer to Residual Hazard Drawings and Designer Risk Management Schedule.				
PO1	15/11/18	First Revision	DE	SH
PO2	04/02/19	Updated for 2nd Rev of Benchmark Quants	SM	RT
PO3	26/02/19	Changes to Prow and Floodplain Levels	SN	RT
PO4	24/05/19	Updates to Crossbush Junction for Design Piv 2a	DE	RT
PO5	12/07/19	Amended for DF2a	DE	RT
Rev.	Date	Description	Drawn	Eng. Check

Suitable for Information

wsp

Mountbatten House, Basing View, Basingstoke, RG21 4HJ, UK
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wsp.com

highways england

Project Title: **A27 ARUNDEL BYPASS**

Drawing Title: **ENGINEERING LAYOUT OPTION 5B V1 SHEET 1 OF 3**

Scale: 1:5000	Drawn: D.Eddy	Eng. Check: R.Tattersall	Disc. Check: S.Hagman	Authorised: ---
Original Size: A1	Date: 12/07/19	Date: 15/07/19	Date: 15/07/19	Date: ---

Drawing Number: HE551523

Originator: WSP | Volume: HGN

Location: C5B O2 VA | A2 DR CH | 00001

Revision: 3 | Design Stage: P05

WSP Project Number: 70044840 | WSP Project Title: HE551523-WSP-HGN-C5B_O2_VA_A2-DR-CH-00001

Appendix B

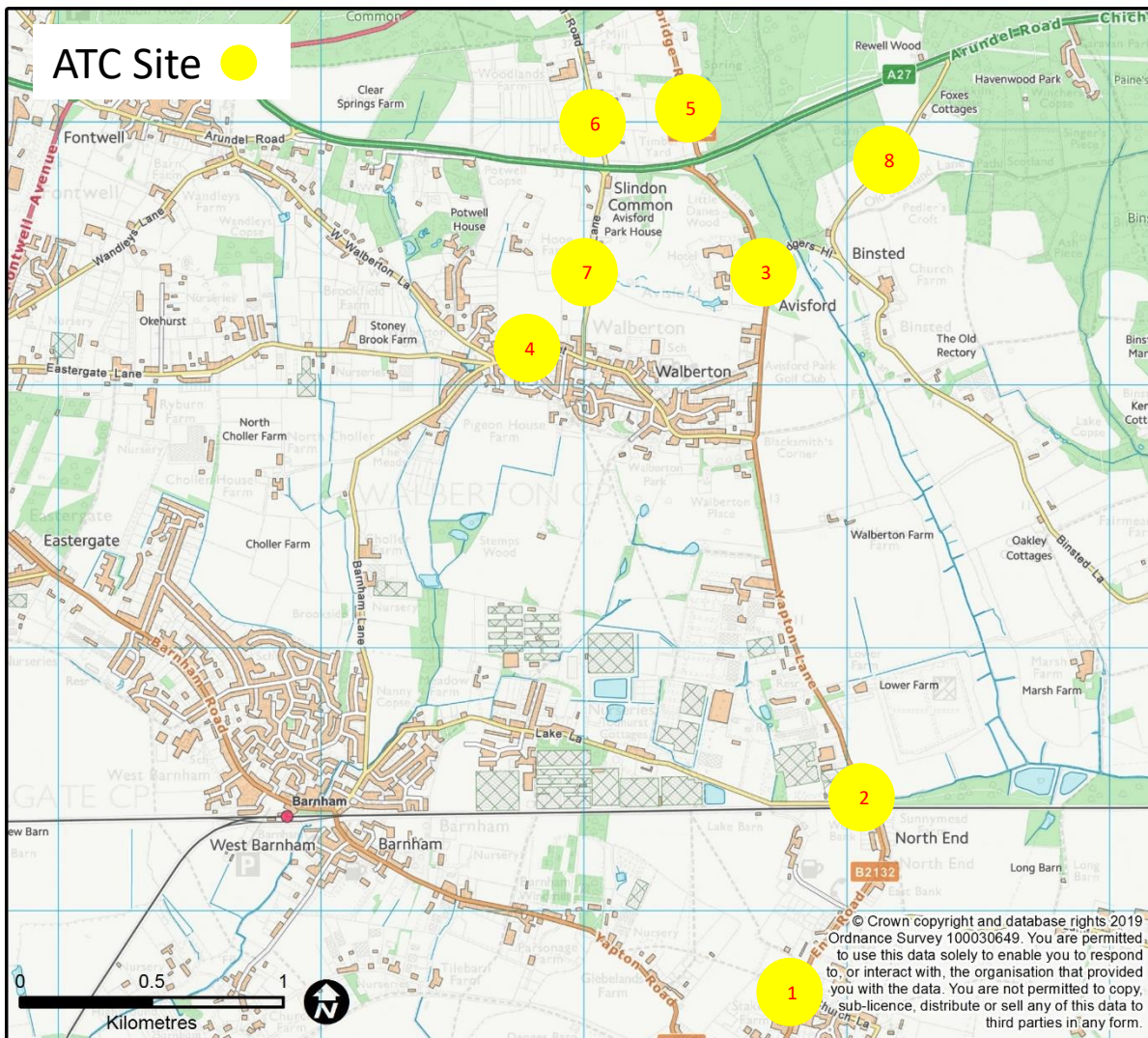
July 2019 traffic survey data

**Traffic count site
location**

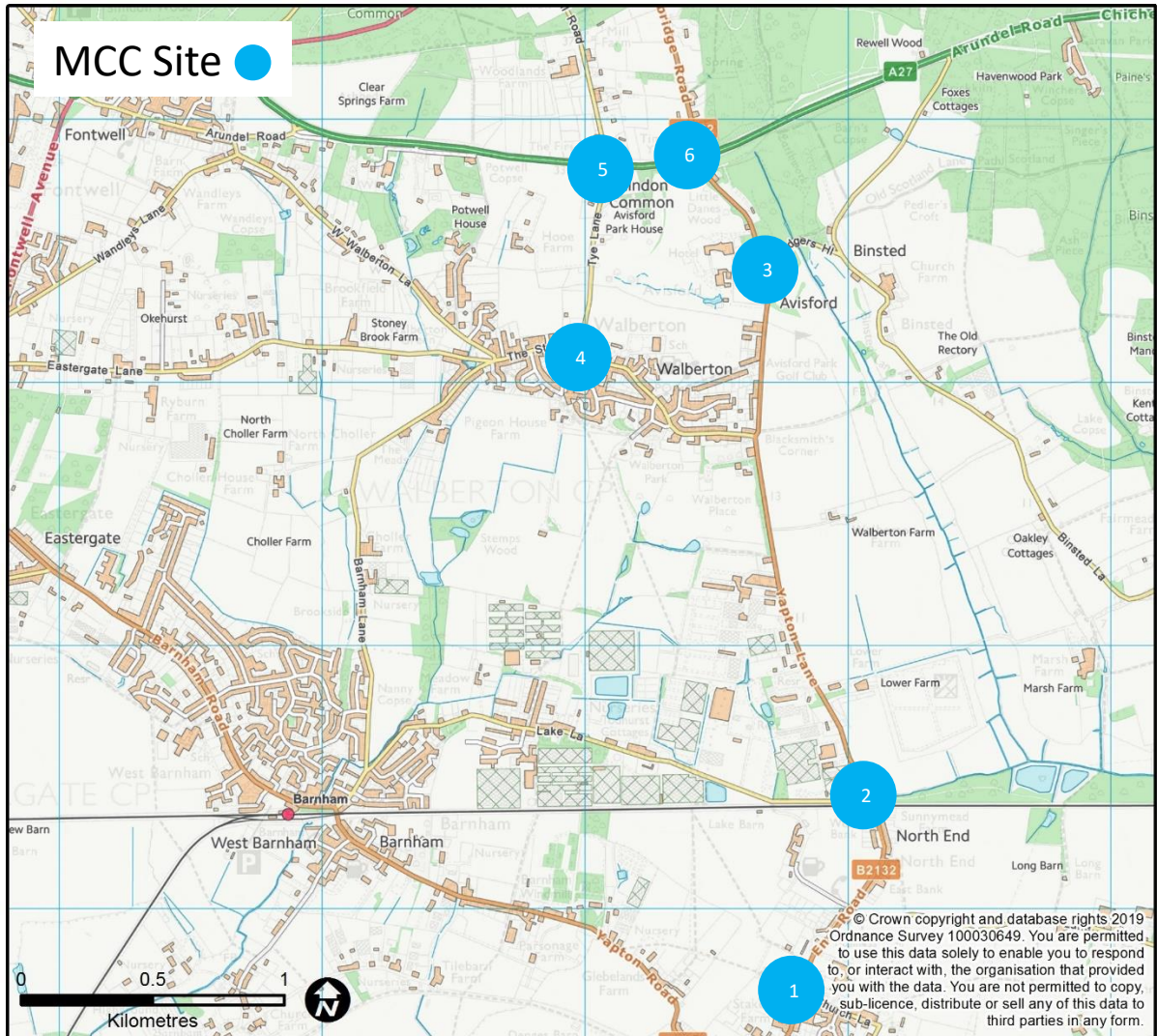
Automatic Traffic Count Data Summary

Count	Description	Date collected	Source
ATC1	B2132 N End Road	03 – 09 July 2019	WSP
ATC2	B2132 Yapton Lane	03 – 09 July 2019	WSP
ATC3	B2132 Yapton Lane	03 – 09 July 2019	WSP
ATC4	The Street	03 -08 July 2019, 11 -13 July 2019,	WSP
ATC5	B2132 Shellbridge Road	03 – 09 July 2019	WSP
ATC6	Mill Road	03 – 09 July 2019	WSP
ATC7	Tye Lane	03 – 09 July 2019	WSP
ATC8	Binstead Lane	03 – 09 July 2019	WSP
MCC1	B2233 Main Road / B2132 North End Road	04/07/2019	WSP
MCC2	B2132 Yapton Lane/ B2132 North End Road/ Lake Lane	04/07/2019	WSP
MCC3	B2132 Yapton Lane/ The Street	04/07/2019	WSP
MCC4	W Walberton Lane/ Mill Lane/ The Street/ Burch Grove/ Barnham Lane/ Eastergate Lane	04/07/2019	WSP
MCC5	Tye Lane/ A27 Arundel Road/ Mill Road	04/07/2019	WSP
MCC6	B2132 Shellbridge Road/ A27 Arundel Road/ B2132 Yapton Lane	04/07/2019	WSP

ATC site locations



MCC Site Location



Automatic Traffic Count data

Count Location	Direction	ADT (Veh/24 day)	HGV %	AM peak period average flow (veh/hr)	AM V/C	PM peak period average flow (veh/hr)	PM V/C
ATC 1 B2132 N End Road	NB	2169	3.5	337	0.26	149	0.11
	SB	1914	4.4	108	0.08	308	0.24
ATC2 The Street - Lake Lane	NB	2643	7.9	368	0.20	214	0.11
	SB	2559	8.4	201	0.11	400	0.22
ATC3 The street - Avispark Rd	NB	2370	7.6	336	0.26	196	0.15
	SB	2379	8.6	162	0.12	359	0.28
ATC4 The Street - Avispark Rd	NB	1529	2.6	226	0.25	134	0.15
	SB	1403	2.9	134	0.15	150	0.17
ATC5 Arundel Rd Sth - Sunnybox Lane	NB	282	1.5	31	0.02	32	0.02
	SB	137	1.5	9	0.01	16	0.01
ATC 6 - Mill Road	NB	89	3.5	8	0.01	5	0.01
	SB	459	4.1	30	0.03	56	0.06
ATC 7 Tye Lane (The Street - Arundel Rd)	NB	385	2.7	74	0.06	24	0.02
	SB	369	2.1	29	0.02	27	0.02
ATC 8 - Binstead Lane	NB	86	2.5	6	0.01	11	0.01
	SB	111	5.3	12	0.01	7	0.01

User Class: CAR Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X B2132 North End Road (N)		63	60					123
	B	X B2233 Main Road (E)	266		443				709	
	C	X B2233 Main Road (W)	45	243					288	
	D	X								
	E	X								
	F	X								
	G	X								
Total			311	306	503				1120	

User Class: LGV Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X B2132 North End Road (N)		19	8					27
	B	X B2233 Main Road (E)	29		42				71	
	C	X B2233 Main Road (W)	6	30					36	
	D	X								
	E	X								
	F	X								
	G	X								
Total			35	49	50				134	

User Class: OGV1 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X B2132 North End Road (N)		4	2					6
	B	X B2233 Main Road (E)	3		3				6	
	C	X B2233 Main Road (W)	1	7					8	
	D	X								
	E	X								
	F	X								
	G	X								
Total			4	11	5				20	

User Class: OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X B2132 North End Road (N)		1						1
	B	X B2233 Main Road (E)	1		3				4	
	C	X B2233 Main Road (W)		1					1	
	D	X								
	E	X								
	F	X								
	G	X								
Total			1	2	3				6	

User Class: CAR, LGV, OGV1, OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X B2132 North End Road (N)		87	70					157
	B	X B2233 Main Road (E)	299		491				790	
	C	X B2233 Main Road (W)	52	281					333	
	D	X								
	E	X								
	F	X								
	G	X								
Total			351	368	561				1280	

User Class: ALL(CAR, LGV, OGV1, OGV2, PSV, MCL, PCL) Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X B2132 North End Road (N)		91	70					161
	B	X B2233 Main Road (E)	304		501				805	
	C	X B2233 Main Road (W)	53	284					337	
	D	X								
	E	X								
	F	X								
	G	X								
Total			357	375	571				1303	

User Class: CAR Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	B2132 North End Road (N)		249	40					289
	B	X	B2233 Main Road (E)	108		211					319
	C	X	B2233 Main Road (W)	37	398						435
	D	X									
	E	X									
	F	X									
	G	X									
Total			145	647	251					1043	

User Class: LGV Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	B2132 North End Road (N)		35	7					42
	B	X	B2233 Main Road (E)	24		29					53
	C	X	B2233 Main Road (W)	5	44						49
	D	X									
	E	X									
	F	X									
	G	X									
Total			29	79	36					144	

User Class: OGV1 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	B2132 North End Road (N)		4						4
	B	X	B2233 Main Road (E)	1							1
	C	X	B2233 Main Road (W)								
	D	X									
	E	X									
	F	X									
	G	X									
Total			1	4						5	

User Class: OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	B2132 North End Road (N)								
	B	X	B2233 Main Road (E)								
	C	X	B2233 Main Road (W)		1						1
	D	X									
	E	X									
	F	X									
	G	X									
Total				1						1	

User Class: CAR, LGV, OGV1, OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	B2132 North End Road (N)		288	47					335
	B	X	B2233 Main Road (E)	133		240					373
	C	X	B2233 Main Road (W)	42	443						485
	D	X									
	E	X									
	F	X									
	G	X									
Total			175	731	287					1193	

User Class: ALL(CAR, LGV, OGV1, OGV2, PSV, MCL, PCL) Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	B2132 North End Road (N)		302	51					353
	B	X	B2233 Main Road (E)	139		248					387
	C	X	B2233 Main Road (W)	45	454						499
	D	X									
	E	X									
	F	X									
	G	X									
Total			184	756	299					1239	

User Class: CAR Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total		
			A	B	C	D	E	F	G			
FROM ARM	A	X	Yapton Lane (N)		112	11						123
	B	X	North End Road (S)	290		11						301
	C	X	Lake Lane (W)	12	15							27
	D	X										
	E	X										
	F	X										
	G	X										
Total				302	127	22						451

User Class: LGV Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total		
			A	B	C	D	E	F	G			
FROM ARM	A	X	Yapton Lane (N)		47	7						54
	B	X	North End Road (S)	43		5						48
	C	X	Lake Lane (W)	3	6							9
	D	X										
	E	X										
	F	X										
	G	X										
Total				46	53	12						111

User Class: OGV1 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total		
			A	B	C	D	E	F	G			
FROM ARM	A	X	Yapton Lane (N)		6	1						7
	B	X	North End Road (S)	9		2						11
	C	X	Lake Lane (W)		1							1
	D	X										
	E	X										
	F	X										
	G	X										
Total				9	7	3						19

User Class: OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total		
			A	B	C	D	E	F	G			
FROM ARM	A	X	Yapton Lane (N)		4	2						6
	B	X	North End Road (S)	14		1						15
	C	X	Lake Lane (W)	6								6
	D	X										
	E	X										
	F	X										
	G	X										
Total				20	4	3						27

User Class: CAR, LGV, OGV1, OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total		
			A	B	C	D	E	F	G			
FROM ARM	A	X	Yapton Lane (N)		169	21						190
	B	X	North End Road (S)	356		19						375
	C	X	Lake Lane (W)	21	22							43
	D	X										
	E	X										
	F	X										
	G	X										
Total				377	191	40						608

User Class: ALL(CAR, LGV, OGV1, OGV2, PSV, MCL, PCL) Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total		
			A	B	C	D	E	F	G			
FROM ARM	A	X	Yapton Lane (N)		170	21						191
	B	X	North End Road (S)	365		20						385
	C	X	Lake Lane (W)	21	22							43
	D	X										
	E	X										
	F	X										
	G	X										
Total				386	192	41						619

User Class: CAR Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	Yapton Lane (N)		342	12					354
	B	X	North End Road (S)	152		29					181
	C	X	Lake Lane (W)	14	20						34
	D	X									
	E	X									
	F	X									
	G	X									
Total			166	362	41					569	

User Class: LGV Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	Yapton Lane (N)		57	2					59
	B	X	North End Road (S)	22		4					26
	C	X	Lake Lane (W)	2	3						5
	D	X									
	E	X									
	F	X									
	G	X									
Total			24	60	6					90	

User Class: OGV1 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	Yapton Lane (N)		10	4					14
	B	X	North End Road (S)	2		1					3
	C	X	Lake Lane (W)	1	1						2
	D	X									
	E	X									
	F	X									
	G	X									
Total			3	11	5					19	

User Class: OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	Yapton Lane (N)		6	6					12
	B	X	North End Road (S)	2							2
	C	X	Lake Lane (W)	1							1
	D	X									
	E	X									
	F	X									
	G	X									
Total			3	6	6					15	

User Class: CAR, LGV, OGV1, OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	Yapton Lane (N)		415	24					439
	B	X	North End Road (S)	178		34					212
	C	X	Lake Lane (W)	18	24						42
	D	X									
	E	X									
	F	X									
	G	X									
Total			196	439	58					693	

User Class: ALL(CAR, LGV, OGV1, OGV2, PSV, MCL, PCL) Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	Yapton Lane (N)		433	27					460
	B	X	North End Road (S)	186		36					222
	C	X	Lake Lane (W)	19	25						44
	D	X									
	E	X									
	F	X									
	G	X									
Total			205	458	63					726	

User Class: CAR Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X Yapton Lane (N)		97	27					124
	B	X Yapton Lane (S)	220	1	57					278
	C	X The Street (W)	26	55	1					82
	D	X								
	E	X								
	F	X								
	G	X								
Total			246	153	85					484

User Class: LGV Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X Yapton Lane (N)		39	7					46
	B	X Yapton Lane (S)	30		12					42
	C	X The Street (W)	5	12						17
	D	X								
	E	X								
	F	X								
	G	X								
Total			35	51	19					105

User Class: OGV1 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X Yapton Lane (N)		7						7
	B	X Yapton Lane (S)	9		1					10
	C	X The Street (W)		1						1
	D	X								
	E	X								
	F	X								
	G	X								
Total			9	8	1					18

User Class: OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X Yapton Lane (N)		4						4
	B	X Yapton Lane (S)	19							19
	C	X The Street (W)								
	D	X								
	E	X								
	F	X								
	G	X								
Total			19	4						23

User Class: CAR, LGV, OGV1, OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X Yapton Lane (N)		147	34					181
	B	X Yapton Lane (S)	278	1	70					349
	C	X The Street (W)	31	68	1					100
	D	X								
	E	X								
	F	X								
	G	X								
Total			309	216	105					630

User Class: ALL(CAR, LGV, OGV1, OGV2, PSV, MCL, PCL) Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X Yapton Lane (N)		147	35					182
	B	X Yapton Lane (S)	283	1	73					357
	C	X The Street (W)	31	71	1					103
	D	X								
	E	X								
	F	X								
	G	X								
Total			314	219	109					642

User Class: CAR Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	Yapton Lane (N)		284	42					326
	B	X	Yapton Lane (S)	134		59					193
	C	X	The Street (W)	28	65	1					94
	D	X									
	E	X									
	F	X									
	G	X									
Total				162	349	102					613

User Class: LGV Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	Yapton Lane (N)		50	5					55
	B	X	Yapton Lane (S)	20		10					30
	C	X	The Street (W)	3	11						14
	D	X									
	E	X									
	F	X									
	G	X									
Total				23	61	15					99

User Class: OGV1 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	Yapton Lane (N)		14						14
	B	X	Yapton Lane (S)	3							3
	C	X	The Street (W)		2						2
	D	X									
	E	X									
	F	X									
	G	X									
Total				3	16						19

User Class: OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	Yapton Lane (N)		12						12
	B	X	Yapton Lane (S)	3							3
	C	X	The Street (W)								
	D	X									
	E	X									
	F	X									
	G	X									
Total				3	12						15

User Class: CAR, LGV, OGV1, OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	Yapton Lane (N)		360	47					407
	B	X	Yapton Lane (S)	160		69					229
	C	X	The Street (W)	31	78	1					110
	D	X									
	E	X									
	F	X									
	G	X									
Total				191	438	117					746

User Class: ALL(CAR, LGV, OGV1, OGV2, PSV, MCL, PCL) Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	Yapton Lane (N)		372	48					420
	B	X	Yapton Lane (S)	164		78					242
	C	X	The Street (W)	32	81	1					114
	D	X									
	E	X									
	F	X									
	G	X									
Total				196	453	127					776

User Class: CAR Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	W Walberton Lane			37		21	4		62
	B	X	Mill Lane	2		1					3
	C	X	The Street	26			2	47	51		126
	D	X	Burch Grove	3		1		3	2		9
	E	X	Barnham Lane	72		92	2		14		180
	F	X	Eastergate Lane	4		54		14			72
	G	X									
Total			107		185	4	85	71		452	

User Class: LGV Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	W Walberton Lane			8		1	1		10
	B	X	Mill Lane								
	C	X	The Street	5				4	12		21
	D	X	Burch Grove								
	E	X	Barnham Lane	10		8			3		21
	F	X	Eastergate Lane	4		11		1			16
	G	X									
Total			19		27		6	16		68	

User Class: OGV1 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	W Walberton Lane		1						1
	B	X	Mill Lane			1					1
	C	X	The Street					1	1		2
	D	X	Burch Grove								
	E	X	Barnham Lane	1		1					2
	F	X	Eastergate Lane			1					1
	G	X									
Total			1	1	3		1	1		7	

User Class: OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	W Walberton Lane								
	B	X	Mill Lane								
	C	X	The Street								
	D	X	Burch Grove								
	E	X	Barnham Lane								
	F	X	Eastergate Lane								
	G	X									
Total											

User Class: CAR, LGV, OGV1, OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	W Walberton Lane		1	45		22	5		73
	B	X	Mill Lane	2		2					4
	C	X	The Street	31			2	52	64		149
	D	X	Burch Grove	3		1		3	2		9
	E	X	Barnham Lane	83		101	2		17		203
	F	X	Eastergate Lane	8		66		15			89
	G	X									
Total			127	1	215	4	92	88		527	

User Class: ALL(CAR, LGV, OGV1, OGV2, PSV, MCL, PCL) Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
			X	X	X	X	X	X	X		
FROM ARM	A	X	W Walberton Lane		1	46		22	5		74
	B	X	Mill Lane	2		3					5
	C	X	The Street	31			2	57	70		160
	D	X	Burch Grove	3		1		3	2		9
	E	X	Barnham Lane	83		106	2		18		209
	F	X	Eastergate Lane	8		73		15			96
	G	X									
Total			127	1	229	4	97	95		553	

User Class: CAR Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X W Walberton Lane			58	5	52	1		116
	B	X Mill Lane			1					1
	C	X The Street	22			1	63	38		124
	D	X Burch Grove			1			2		3
	E	X Barnham Lane	28	1	33	2		6		70
	F	X Eastergate Lane	7		44	2	26			79
	G	X								
Total			57	1	137	10	141	47		393

User Class: LGV Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X W Walberton Lane			7		6	1		14
	B	X Mill Lane								
	C	X The Street	2				18	5		25
	D	X Burch Grove								
	E	X Barnham Lane	1		4					5
	F	X Eastergate Lane			10		3			13
	G	X								
Total			3		21		27	6		57

User Class: OGV1 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X W Walberton Lane			1					1
	B	X Mill Lane								
	C	X The Street					1			1
	D	X Burch Grove								
	E	X Barnham Lane			1					1
	F	X Eastergate Lane			1					1
	G	X								
Total					3		1			4

User Class: OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X W Walberton Lane								
	B	X Mill Lane								
	C	X The Street								
	D	X Burch Grove								
	E	X Barnham Lane								
	F	X Eastergate Lane								
	G	X								
Total										

User Class: CAR, LGV, OGV1, OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X W Walberton Lane			66	5	58	2		131
	B	X Mill Lane			1					1
	C	X The Street	24			1	82	43		150
	D	X Burch Grove			1			2		3
	E	X Barnham Lane	29	1	38	2		6		76
	F	X Eastergate Lane	7		55	2	29			93
	G	X								
Total			60	1	161	10	169	53		454

User Class: ALL(CAR, LGV, OGV1, OGV2, PSV, MCL, PCL) Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X W Walberton Lane			66	5	59	2		132
	B	X Mill Lane			1					1
	C	X The Street	28			1	85	48		162
	D	X Burch Grove			1			2		3
	E	X Barnham Lane	30	1	40	2		6		79
	F	X Eastergate Lane	8		60	2	29			99
	G	X								
Total			66	1	168	10	173	58		476

User Class: CAR Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X Mill Rd (N)		32						32
	B	X Arundel Rd (E)			20	1094				1114
	C	X Tye Lane (W)				64				64
	D	X Arundel Rd (W)	2	682						684
	E	X								
	F	X								
	G	X								
Total			2	714	20	1158				1894

User Class: LGV Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X Mill Rd (N)		5						5
	B	X Arundel Rd (E)			4	146				150
	C	X Tye Lane (W)				6				6
	D	X Arundel Rd (W)		184						184
	E	X								
	F	X								
	G	X								
Total				189	4	152				345

User Class: OGV1 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X Mill Rd (N)		1						1
	B	X Arundel Rd (E)			1	33				34
	C	X Tye Lane (W)								
	D	X Arundel Rd (W)		44						44
	E	X								
	F	X								
	G	X								
Total				45	1	33				79

User Class: OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X Mill Rd (N)								
	B	X Arundel Rd (E)				40				40
	C	X Tye Lane (W)								
	D	X Arundel Rd (W)		39						39
	E	X								
	F	X								
	G	X								
Total				39		40				79

User Class: CAR, LGV, OGV1, OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X Mill Rd (N)		38						38
	B	X Arundel Rd (E)			25	1313				1338
	C	X Tye Lane (W)				70				70
	D	X Arundel Rd (W)	2	949						951
	E	X								
	F	X								
	G	X								
Total			2	987	25	1383				2397

User Class: ALL(CAR, LGV, OGV1, OGV2, PSV, MCL, PCL) Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X Mill Rd (N)		38						38
	B	X Arundel Rd (E)			26	1336				1362
	C	X Tye Lane (W)				72				72
	D	X Arundel Rd (W)	3	958						961
	E	X								
	F	X								
	G	X								
Total			3	996	26	1408				2433

User Class: CAR Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X Mill Rd (N)		49						49
	B	X Arundel Rd (E)			27	771				798
	C	X Tye Lane (W)				27				27
	D	X Arundel Rd (W)	10	926						936
	E	X								
	F	X								
	G	X								
Total			10	975	27	798				1810

User Class: LGV Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X Mill Rd (N)		15						15
	B	X Arundel Rd (E)			10	107				117
	C	X Tye Lane (W)				2				2
	D	X Arundel Rd (W)		123						123
	E	X								
	F	X								
	G	X								
Total				138	10	109				257

User Class: OGV1 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X Mill Rd (N)								
	B	X Arundel Rd (E)				11				11
	C	X Tye Lane (W)								
	D	X Arundel Rd (W)		22						22
	E	X								
	F	X								
	G	X								
Total				22		11				33

User Class: OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X Mill Rd (N)								
	B	X Arundel Rd (E)				22				22
	C	X Tye Lane (W)								
	D	X Arundel Rd (W)		25						25
	E	X								
	F	X								
	G	X								
Total				25		22				47

User Class: CAR, LGV, OGV1, OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X Mill Rd (N)		64						64
	B	X Arundel Rd (E)			37	911				948
	C	X Tye Lane (W)				29				29
	D	X Arundel Rd (W)	10	1096						1106
	E	X								
	F	X								
	G	X								
Total			10	1160	37	940				2147

User Class: ALL(CAR, LGV, OGV1, OGV2, PSV, MCL, PCL) Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total
			A	B	C	D	E	F	G	
			X	X	X	X	X	X	X	
FROM ARM	A	X Mill Rd (N)		65						65
	B	X Arundel Rd (E)			40	928				968
	C	X Tye Lane (W)				31				31
	D	X Arundel Rd (W)	10	1129						1139
	E	X								
	F	X								
	G	X								
Total			10	1194	40	959				2203

User Class: CAR Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
FROM ARM	A	X	Shellbridge Rd (N)		8						8
	B	X	Arundel Rd (E)	22		28	743				793
	C	X	Yapton Lane (S)				274				274
	D	X	Arundel Rd (W)	2	620	96					718
	E	X									
	F	X									
	G	X									
Total				24	628	124	1017				1793

User Class: LGV Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
FROM ARM	A	X	Shellbridge Rd (N)								
	B	X	Arundel Rd (E)	5		11	130				146
	C	X	Yapton Lane (S)				40				40
	D	X	Arundel Rd (W)		153	31					184
	E	X									
	F	X									
	G	X									
Total				5	153	42	170				370

User Class: OGV1 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
FROM ARM	A	X	Shellbridge Rd (N)								
	B	X	Arundel Rd (E)			1	30				31
	C	X	Yapton Lane (S)				16				16
	D	X	Arundel Rd (W)		35	5					40
	E	X									
	F	X									
	G	X									
Total				35	6	46					87

User Class: OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
FROM ARM	A	X	Shellbridge Rd (N)								
	B	X	Arundel Rd (E)				33				33
	C	X	Yapton Lane (S)				10				10
	D	X	Arundel Rd (W)		33	1					34
	E	X									
	F	X									
	G	X									
Total				33	1	43					77

User Class: CAR, LGV, OGV1, OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
FROM ARM	A	X	Shellbridge Rd (N)		8						8
	B	X	Arundel Rd (E)	27		40	936				1003
	C	X	Yapton Lane (S)				340				340
	D	X	Arundel Rd (W)	2	841	133					976
	E	X									
	F	X									
	G	X									
Total				29	849	173	1276				2327

User Class: ALL(CAR, LGV, OGV1, OGV2, PSV, MCL, PCL) Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
FROM ARM	A	X	Shellbridge Rd (N)		8						8
	B	X	Arundel Rd (E)	27		41	948				1016
	C	X	Yapton Lane (S)				348				348
	D	X	Arundel Rd (W)	2	847	133					982
	E	X									
	F	X									
	G	X									
Total				29	855	174	1296				2354

User Class: CAR Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
FROM ARM	A	X	Shellbridge Rd (N)		5						5
	B	X	Arundel Rd (E)	26		63	644				733
	C	X	Yapton Lane (S)_				154				154
	D	X	Arundel Rd (W)	27	681	264					972
	E	X									
	F	X									
	G	X									
Total			53	686	327	798				1864	

User Class: LGV Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
FROM ARM	A	X	Shellbridge Rd (N)		2						2
	B	X	Arundel Rd (E)	5		10	95				110
	C	X	Yapton Lane (S)_				22				22
	D	X	Arundel Rd (W)	5	90	42					137
	E	X									
	F	X									
	G	X									
Total			10	92	52	117				271	

User Class: OGV1 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
FROM ARM	A	X	Shellbridge Rd (N)								
	B	X	Arundel Rd (E)			1	7				8
	C	X	Yapton Lane (S)_				3				3
	D	X	Arundel Rd (W)	1	8	13					22
	E	X									
	F	X									
	G	X									
Total			1	8	14	10				33	

User Class: OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
FROM ARM	A	X	Shellbridge Rd (N)								
	B	X	Arundel Rd (E)			3	18				21
	C	X	Yapton Lane (S)_				3				3
	D	X	Arundel Rd (W)		16	9					25
	E	X									
	F	X									
	G	X									
Total				16	12	21				49	

User Class: CAR, LGV, OGV1, OGV2 Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
FROM ARM	A	X	Shellbridge Rd (N)		7						7
	B	X	Arundel Rd (E)	31		77	764				872
	C	X	Yapton Lane (S)_				182				182
	D	X	Arundel Rd (W)	33	795	328					1156
	E	X									
	F	X									
	G	X									
Total			64	802	405	946				2217	

User Class: ALL(CAR, LGV, OGV1, OGV2, PSV, MCL, PCL) Units: Vehicles

Jct Node Number	X	Road name	TO ARM							Total	
			A	B	C	D	E	F	G		
FROM ARM	A	X	Shellbridge Rd (N)		7						7
	B	X	Arundel Rd (E)	32		80	778				890
	C	X	Yapton Lane (S)_				189				189
	D	X	Arundel Rd (W)	33	821	337					1191
	E	X									
	F	X									
	G	X									
Total			65	828	417	967				2277	

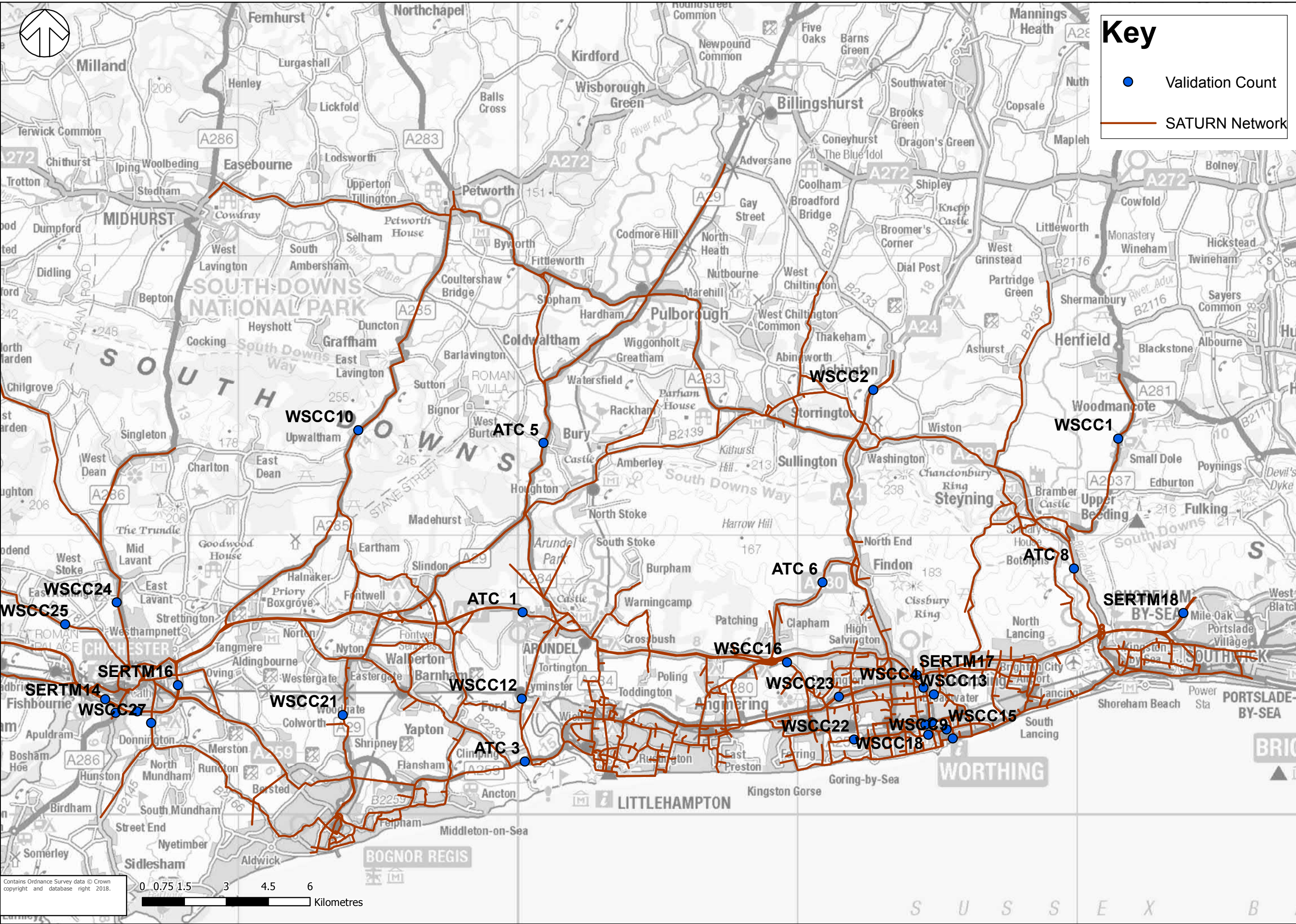
Appendix C

PCF Stage 2 A27 transport model – 2015 base year validation sites



Key

- Validation Count
- SATURN Network



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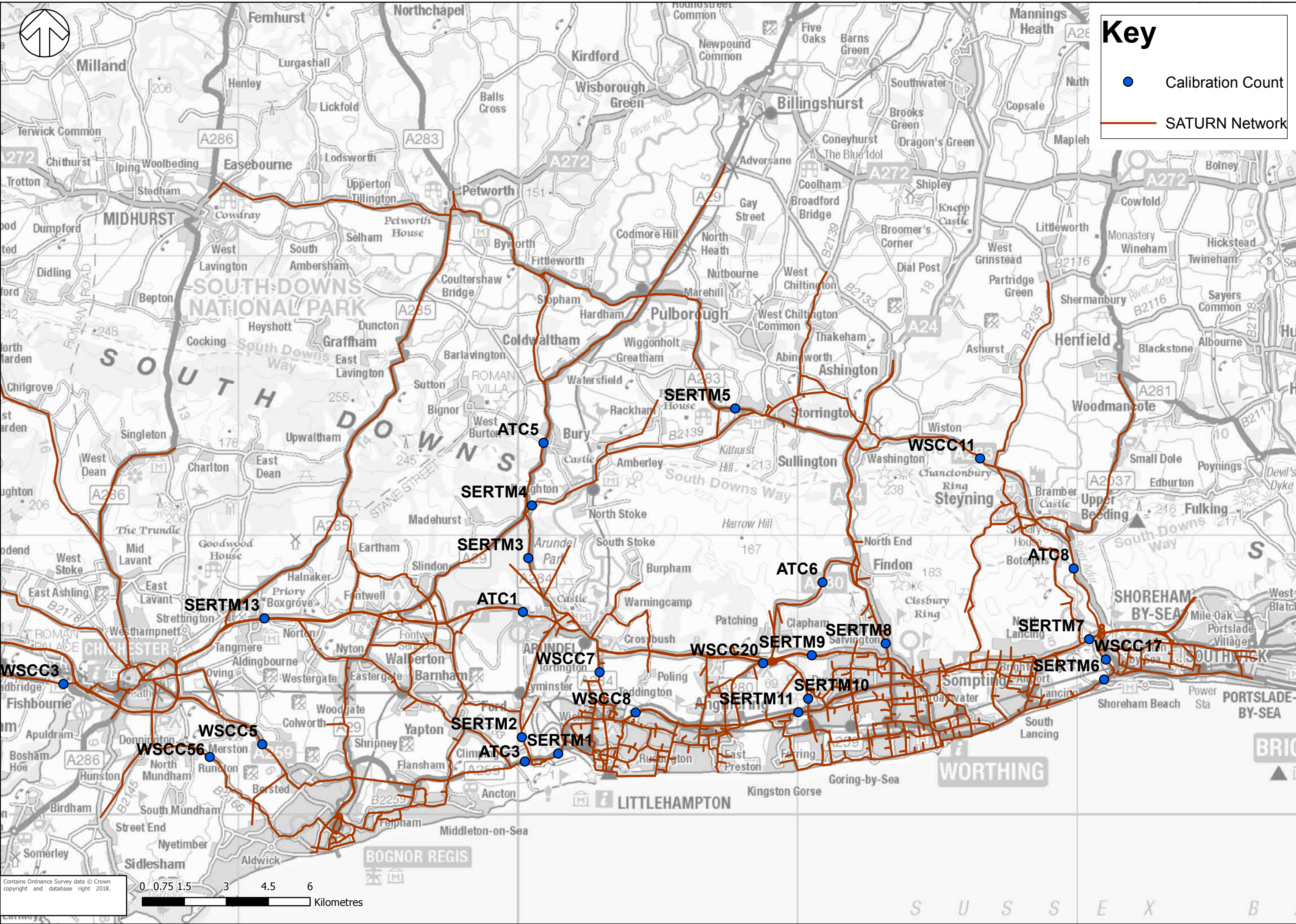


S U S S E X



Key

- Calibration Count
- SATURN Network



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S U S S E X B

Appendix D

western tie-in junction arm labelling

Appendix D-1
**Geographic
illustration of the
western tie-in
junction
operational
assessment
labelling**

Appendix D-1 Option 4/5AV1 western tie-in junction operational assessment labelling

