

Appendix E WSTM4 Outputs. Hall Farm/ Garden Village



Figure 27 Actual Flows, vehicles – 2040 Reference Case. AM Peak

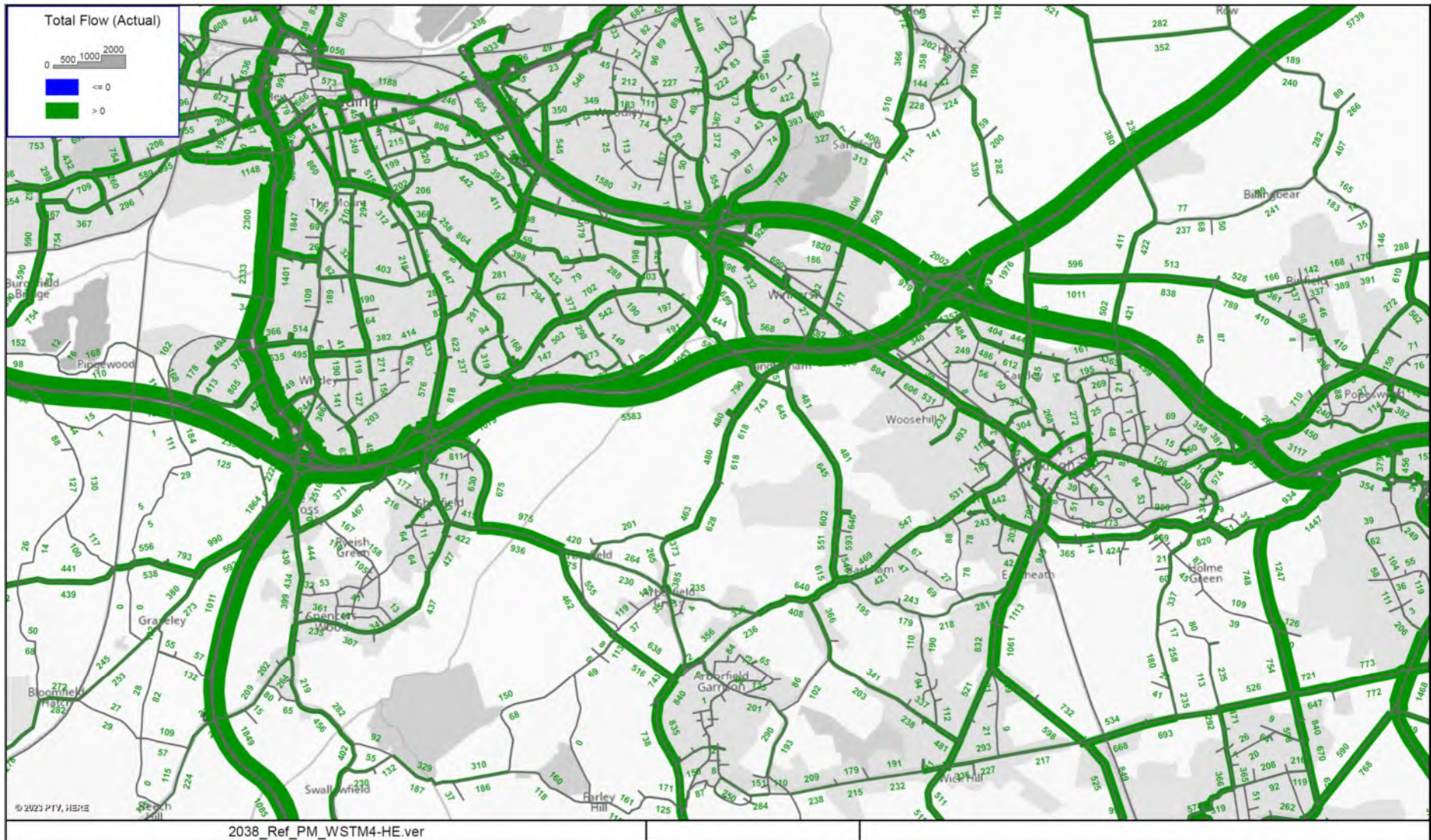


Figure 28 Actual Flows, vehicles – 2040 Reference Case. PM Peak



Figure 29 Actual Flows, vehicles – 2040 Scenario 1B 'Hall Farm/ Garden Village'. AM Peak



Figure 30 Actual Flows, vehicles – 2040 Scenario 1B 'Hall Farm/ Garden Village'. PM Peak

Actual Flow Differences



Figure 31 Actual Flow Differences. 2040 Scenario 1B 'Hall Farm' minus Ref Case. AM Peak



Figure 32 Actual Flow Differences. 2040 Scenario 1B 'Hall Farm' minus Ref Case. PM Peak

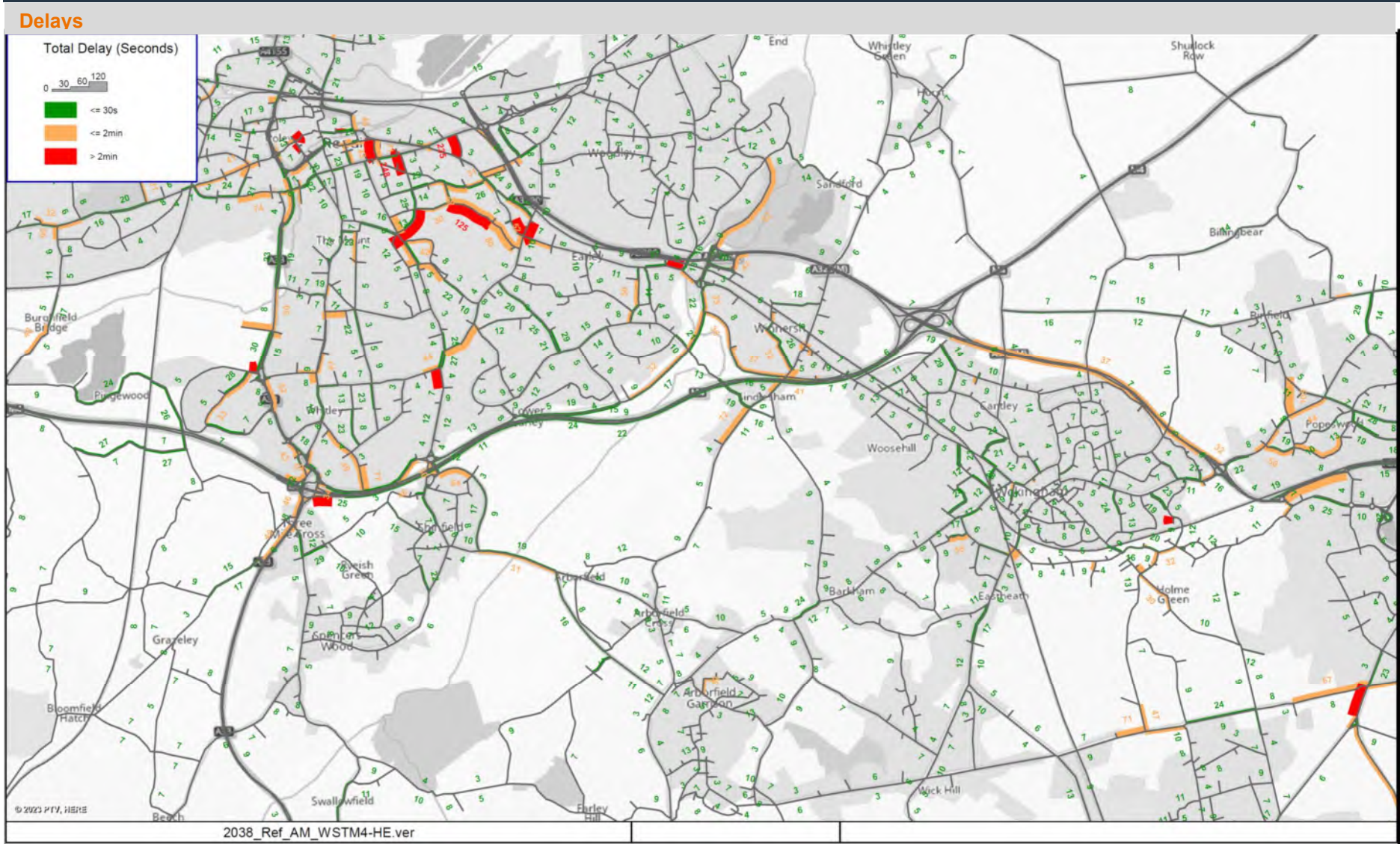


Figure 33 Delays, seconds – 2040 Reference Case. AM Peak



Figure 34 Delays, seconds – 2040 Reference Case. PM Peak



Figure 35 Delays, seconds – 2040 Scenario 1B 'Hall Farm'. AM Peak



Figure 36 Delays, seconds – 2040 Scenario 1B 'Hall Farm'. PM Peak

Delay Differences



Figure 37 Delay Differences. 2040 Scenario 1B 'Hall Farm' minus Reference Case. AM Peak



Figure 38 Delay Differences. 2040 Scenario 1B 'Hall Farm' minus Reference Case. PM Peak

Journey Times on Selected Routes

Table 32 WSTM4 AM Peak Journey Time Summary – Hall Farm

ID	Name	Dir	Journey Time		Difference
			2040 Ref Case	Hall Farm Scenario 1B	Hall Farm 1B minus Ref Case
Local Road Network					
1	A33	NB	16:57	17:34	00:37
		SB	16:53	17:12	00:19
3	A329 (M)	SB	10:13	11:43	01:30
		NB	11:27	11:46	00:19
4	A329 Reading Road	NB	26:35	28:34	01:59
		SB	29:31	28:22	-01:09
5	Lower Earley Way	EB	12:09	13:00	00:51
		WB	16:12	17:11	00:59
6	A327 ERR	NB	23:28	23:59	00:31
		SB	15:53	16:51	00:58
7	A327 Mole Road	NB	17:12	18:32	01:20
		SB	16:52	17:51	00:59
8	Barkham Road B3349	EB	20:03	21:25	01:22
		WB	20:48	23:21	02:33
9	A4 - Bath Road	EB	47:32	48:02	00:30
		WB	44:11	44:34	00:23
10	A321	NB	20:43	21:51	01:08
		SB	20:38	21:16	00:38
11	A321 to Henley	NB	19:37	19:45	00:08
		SB	17:38	17:47	00:09
12	B3034 Forrest Road	NB	24:07	26:21	02:14
		SB	24:03	25:27	01:24
Average Travel Times			21:29	22:23	+4.2%
Strategic Road Network					
2	M4	EB	16:22	16:22	00:00
		WB	16:17	16:19	00:02
Average Travel Times			16:19	16:20	+0.1%

Table 33 WSTM4 PM Peak Journey Time Summary - Hall Farm

ID	Name	Dir	Journey Time		Difference
			2040 Ref Case	Hall Farm Scenario 1B	Scenario 1B minus Ref Case
Local Road Network					
1	A33	NB	18:41	18:55	00:14
		SB	17:40	17:52	00:12
3	A329 (M)	SB	10:48	10:55	00:07
		NB	10:27	10:30	00:03
4	A329 Reading Road	NB	26:18	27:07	00:49
		SB	25:23	25:40	00:17
5	Lower Earley Way	EB	13:10	13:41	00:31
		WB	15:04	15:35	00:31
6	A327 ERR	NB	20:34	22:02	01:28
		SB	17:23	18:06	00:43
7	A327 Mole Road	NB	17:30	19:06	01:36
		SB	16:28	17:56	01:28
8	Barkham Road B3349	EB	18:47	19:38	00:51
		WB	19:44	22:04	02:20
9	A4 - Bath Road	EB	52:06	52:21	00:15
		WB	48:00	48:24	00:24
10	A321	NB	20:24	21:33	01:09
		SB	20:33	21:21	00:48
11	A321 to Henley	NB	18:42	18:52	00:10
		SB	18:39	18:58	00:19
12	B3034 Forrest Road	NB	25:39	26:20	00:41
		SB	25:18	26:41	01:23
Average Travel Times			21:42	22:26	+3.4%
Strategic Road Network					
2	M4	EB	16:18	16:18	00:00
		WB	16:29	16:31	00:02
Average Travel Times			16:23	16:25	+0.1%

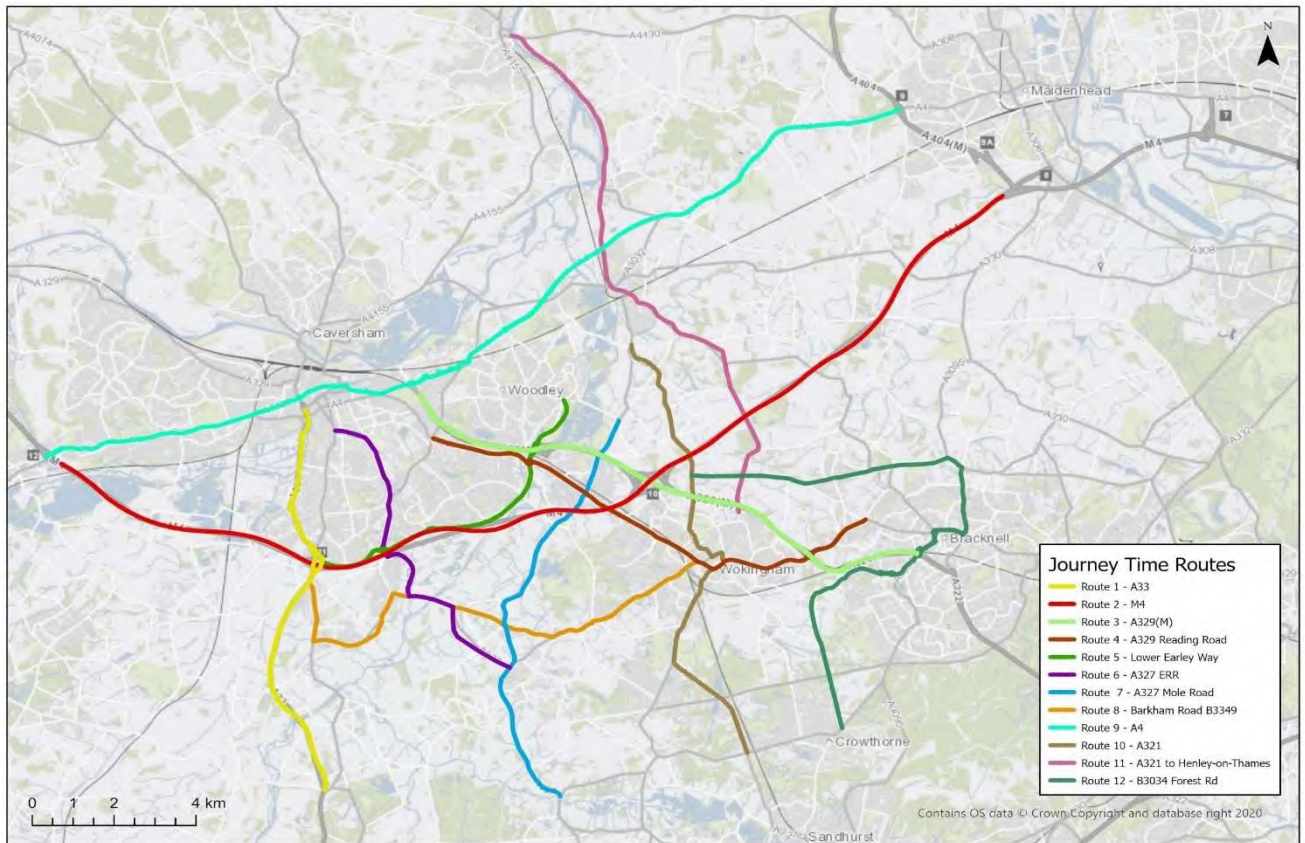


Figure 39 Journey Time Routes

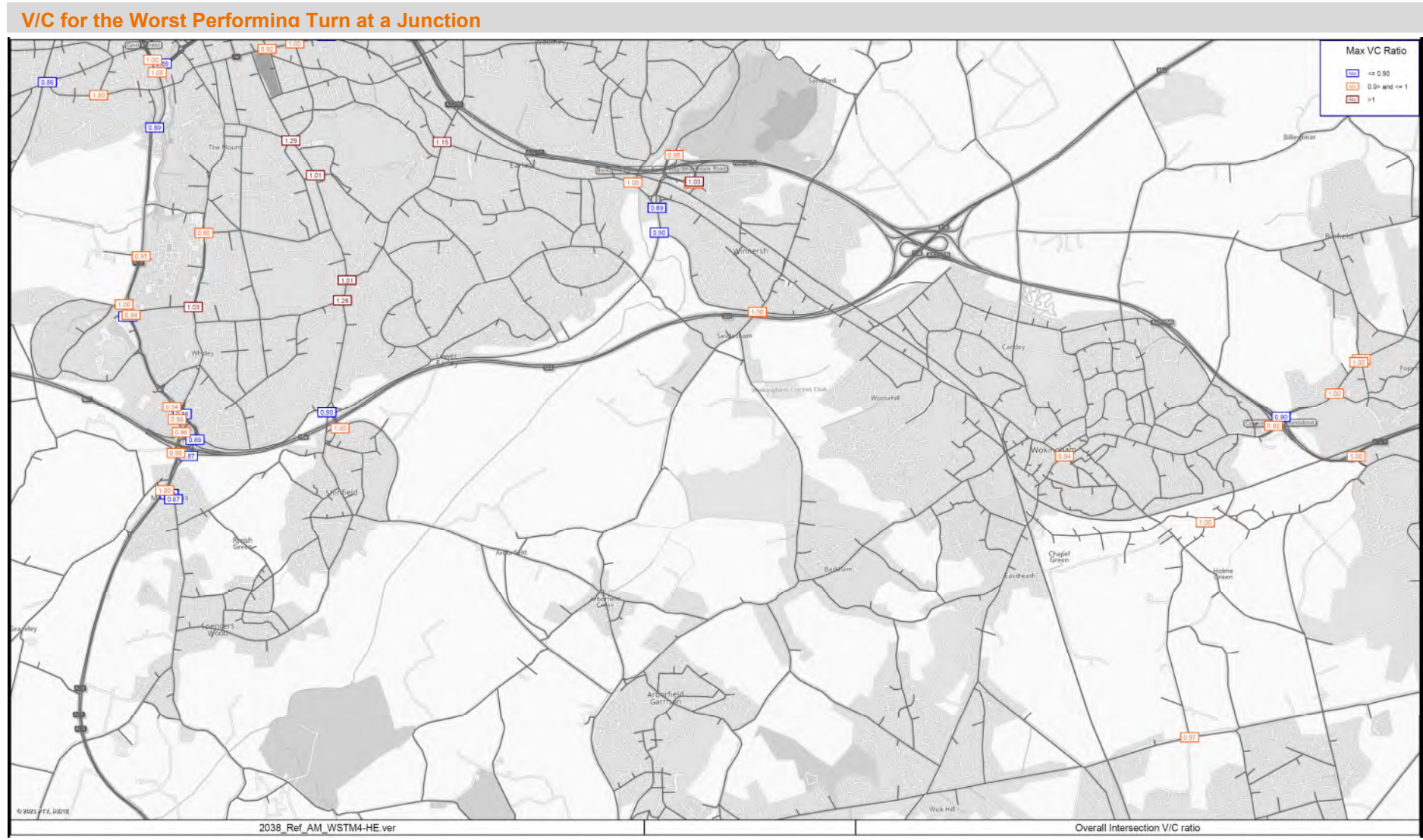


Figure 40 V/C Ratio for the Worst Performing Turn – 2040 Reference Case. AM Peak



Figure 41 V/C Ratio for the Worst Performing Turn – 2040 Reference Case. PM Peak

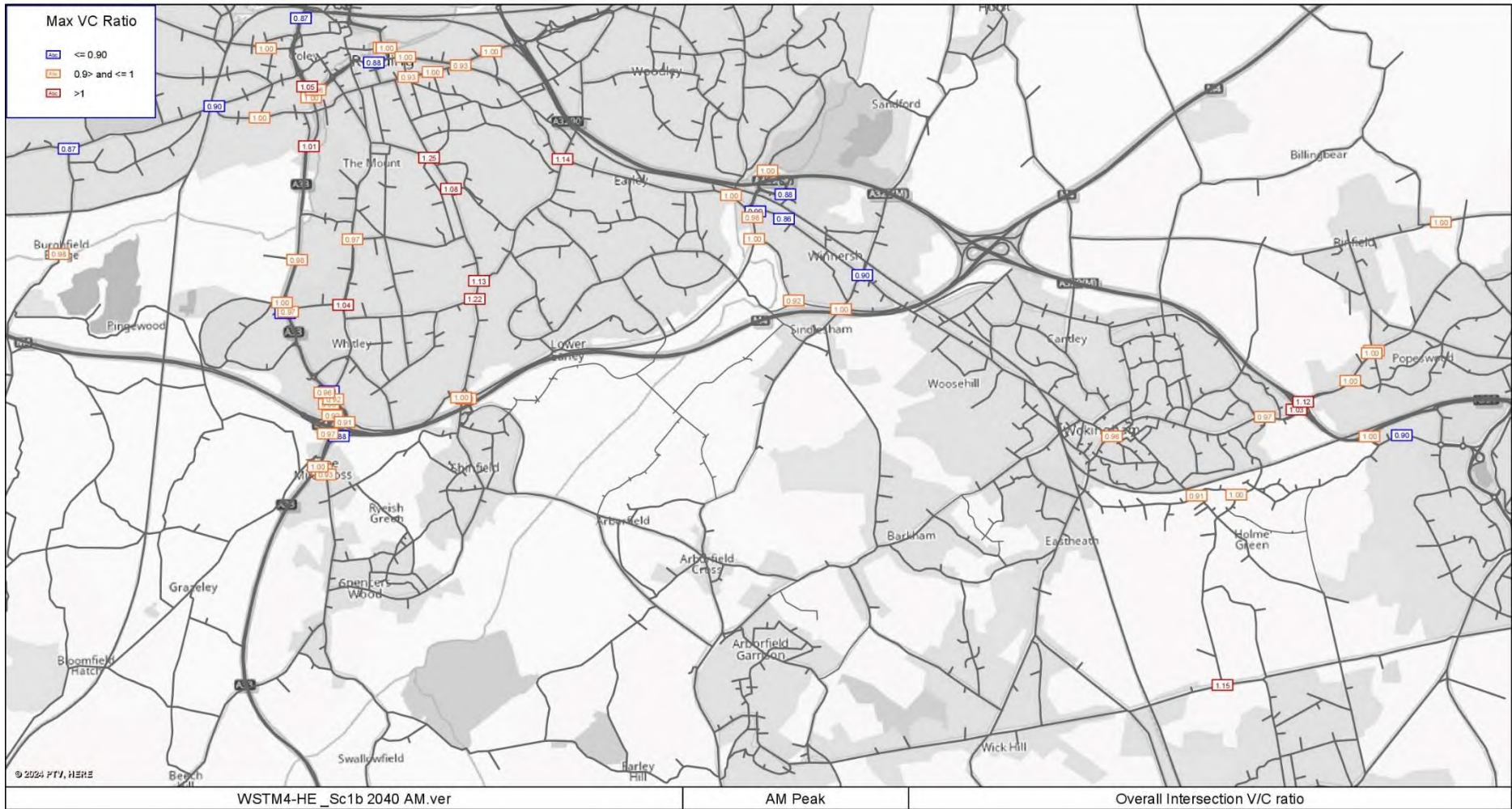


Figure 42 V/C Ratio for the Worst Performing Turn – 2040 Scenario 1B 'Hall Farm'. AM Peak

Appendix F WSTM4 Outputs. Ashridge

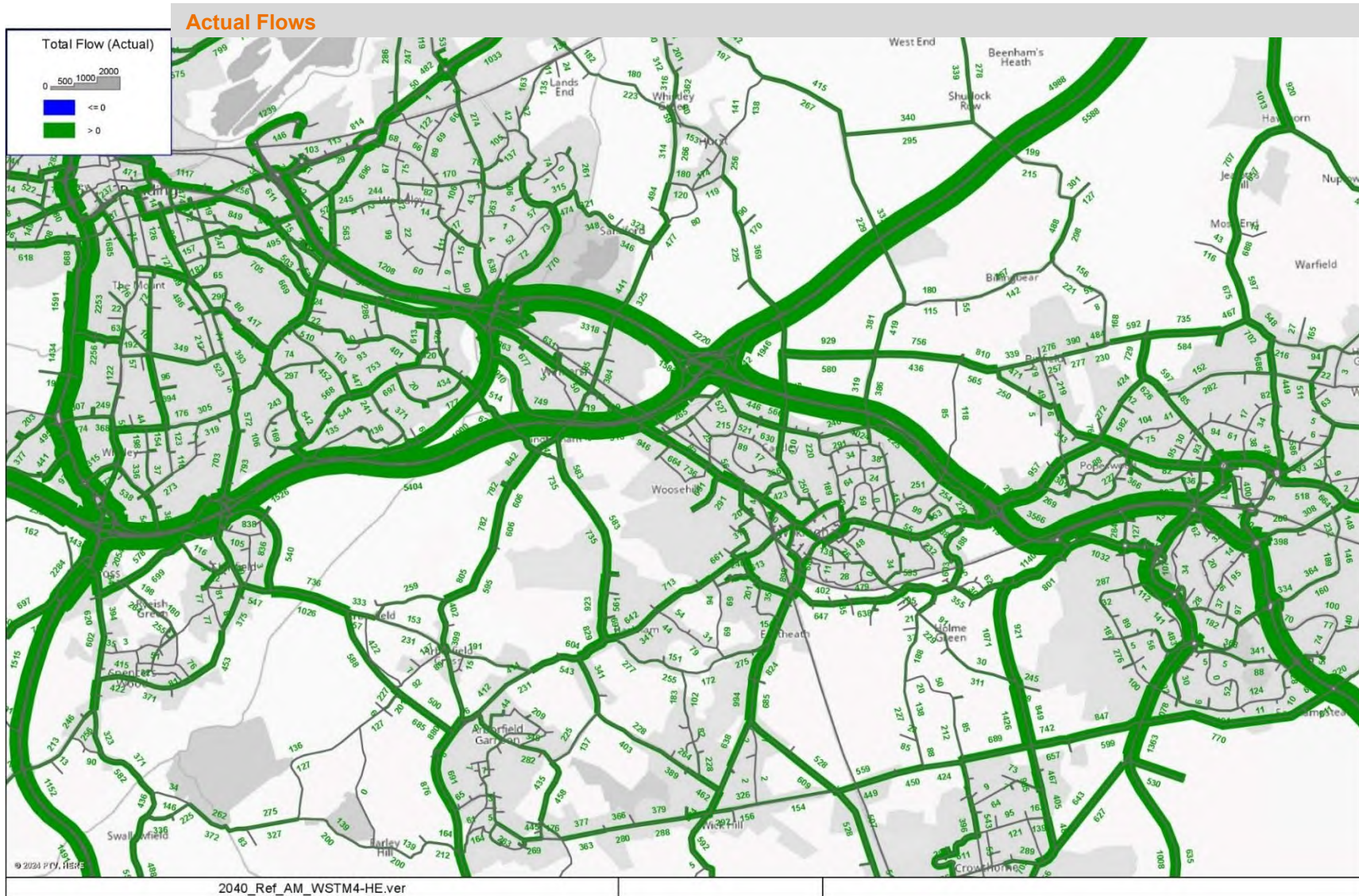


Figure 44 Actual Flows, vehicles – 2040 Reference Case. AM Peak



Figure 45 Actual Flows, vehicles – 2040 Reference Case. PM Peak

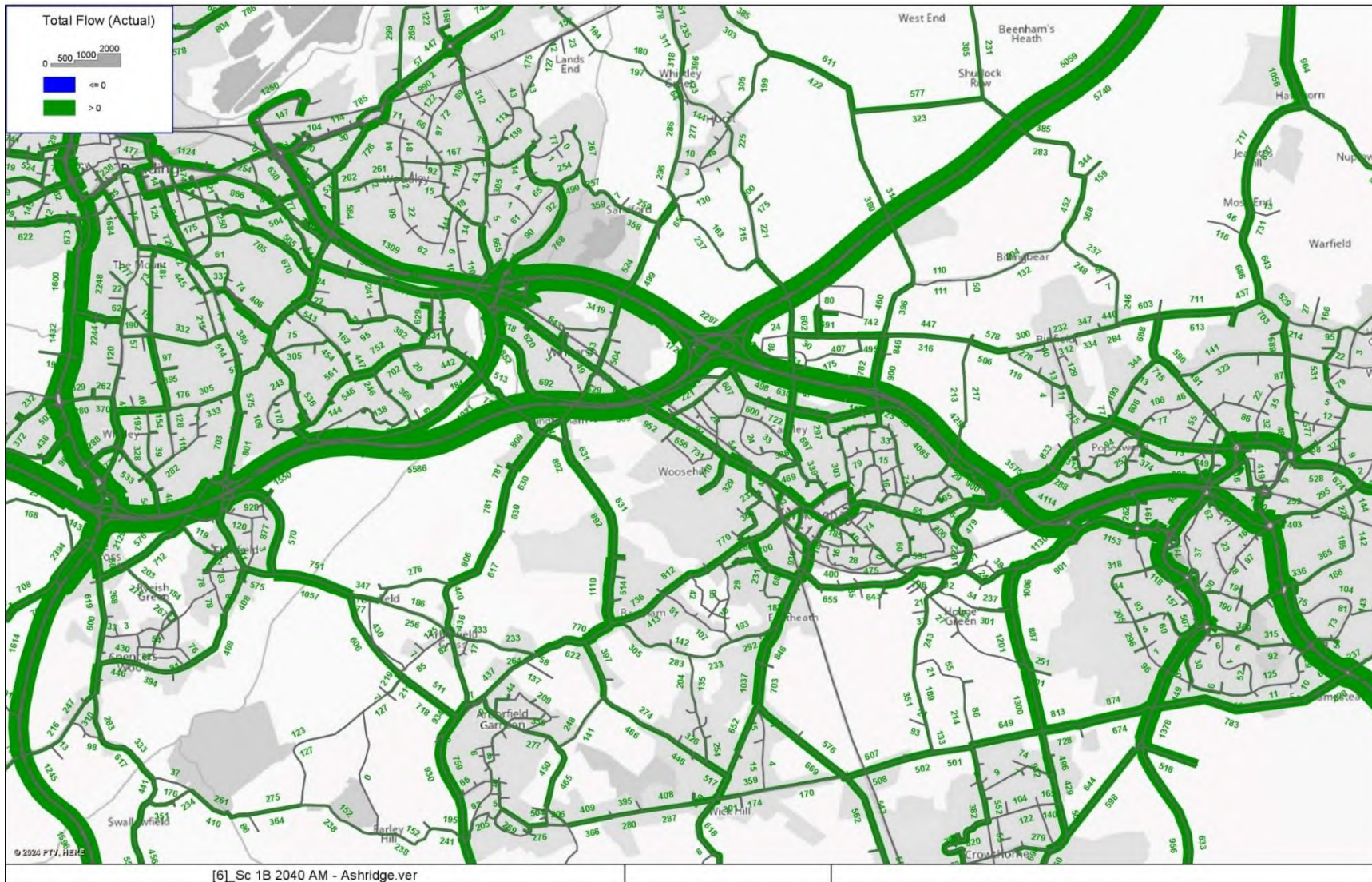


Figure 46 Actual Flows, vehicles – 2040 Scenario 1B 'Ashridge/ Garden Village'. AM Peak

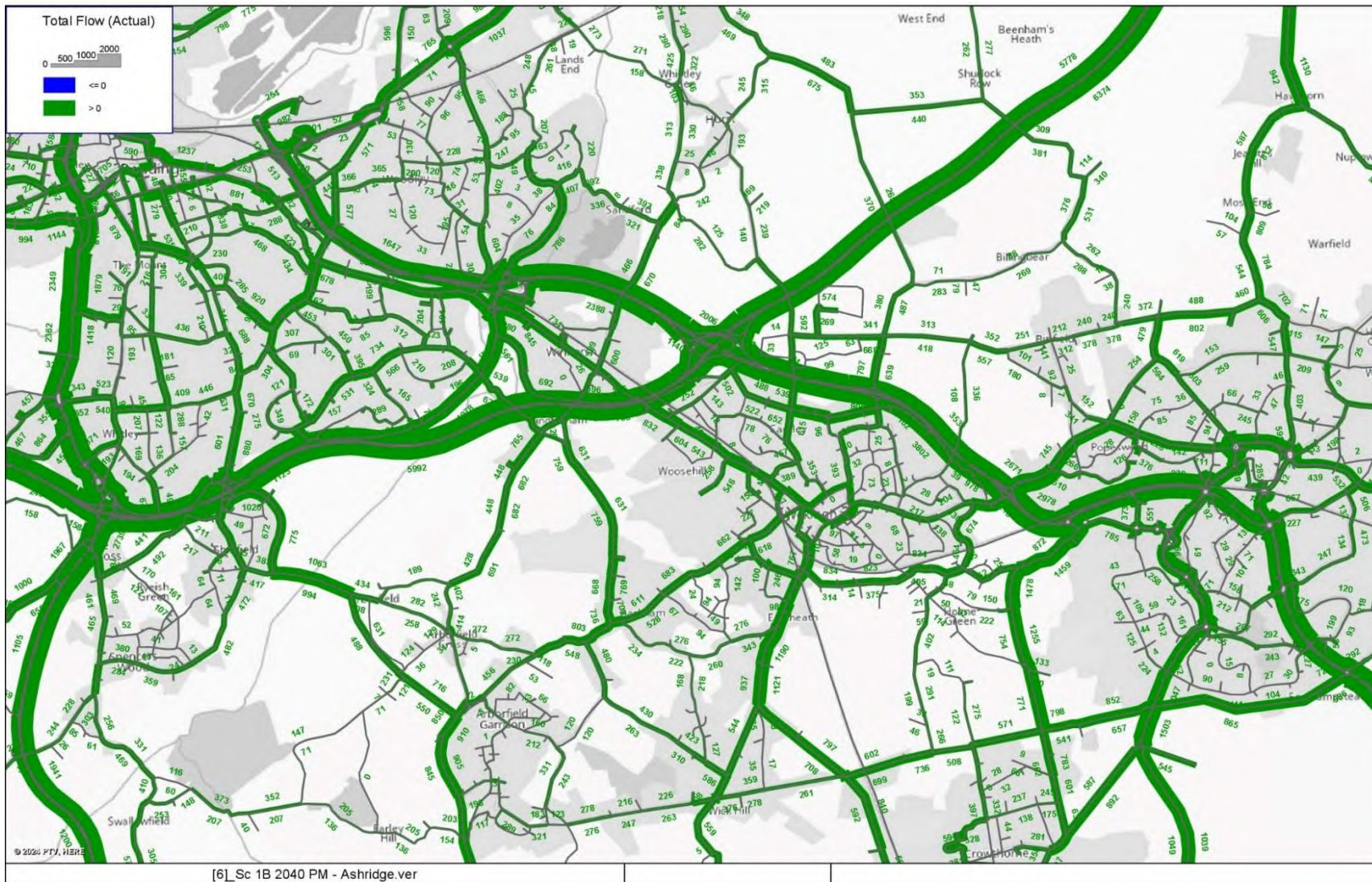


Figure 47 Actual Flows, vehicles – 2040 Scenario 1B 'Ashridge/ Garden Village'. PM Peak

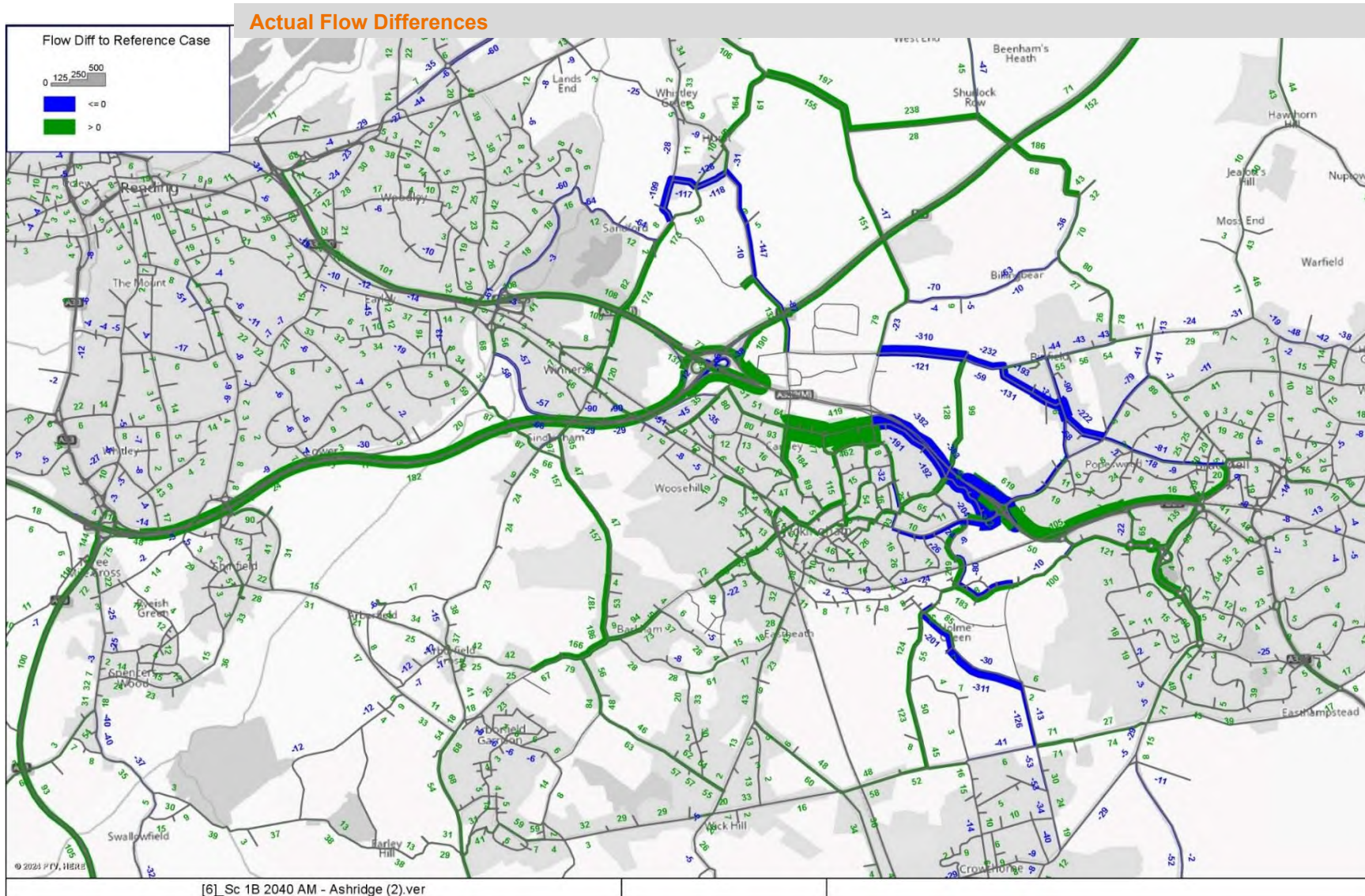


Figure 48 Actual Flow Differences. 2040 Scenario 1B 'Ashridge' minus Ref Case. AM Peak

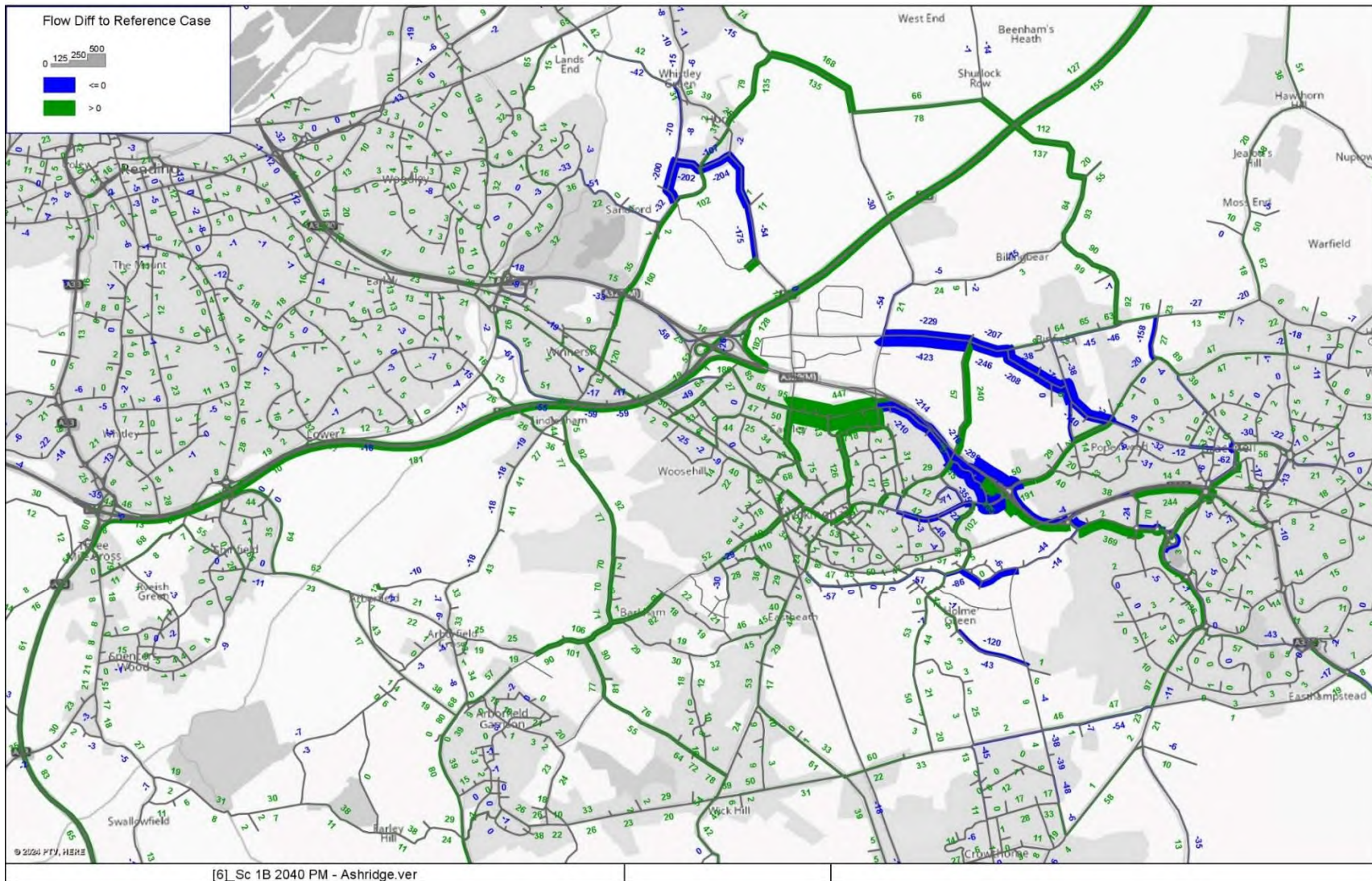


Figure 49 Actual Flow Differences. 2040 Scenario 1B 'Ashridge' minus Ref Case. PM Peak



Figure 50 Delays, seconds – 2040 Reference Case. AM Peak

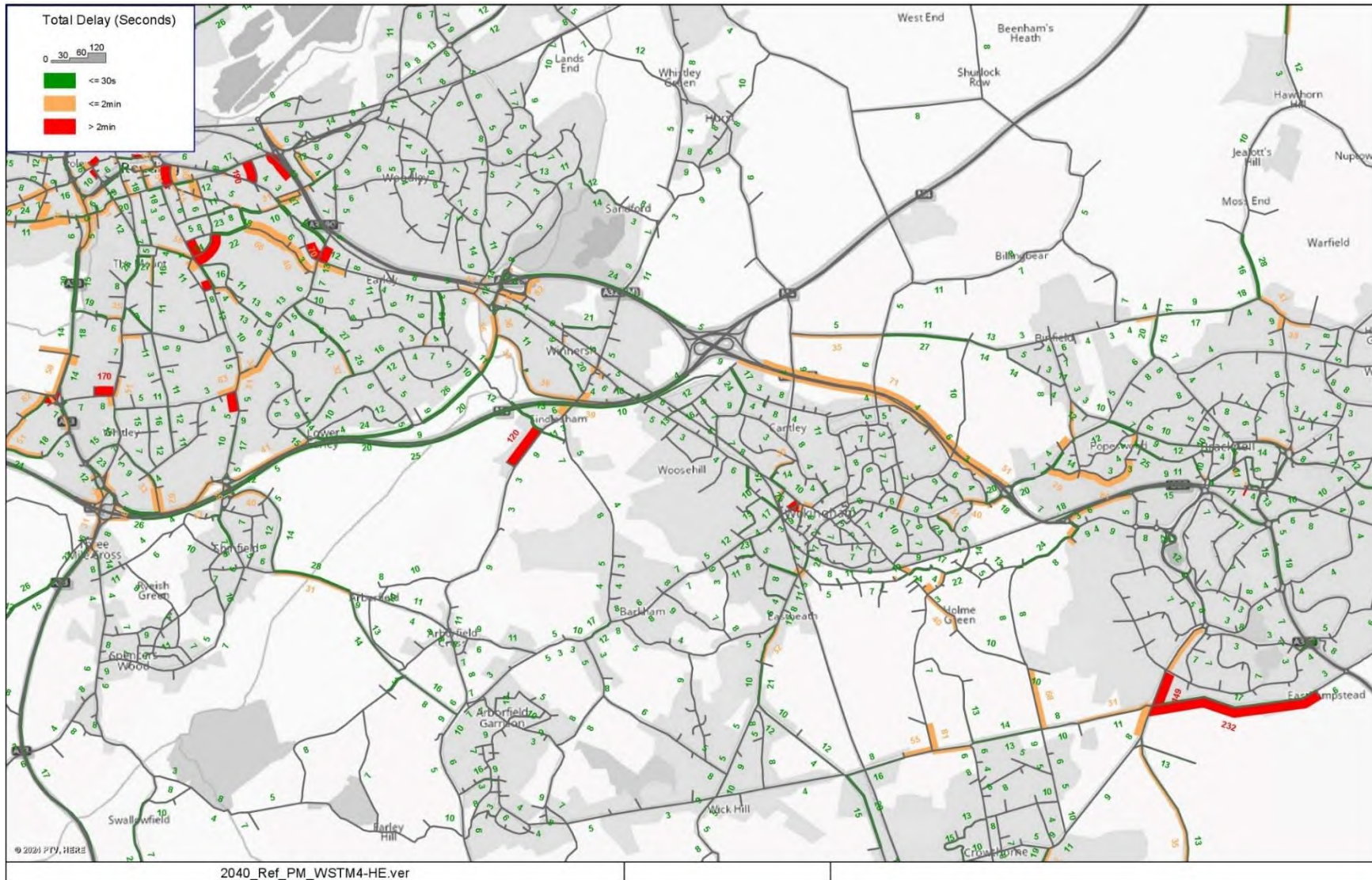


Figure 51 Delays, seconds – 2040 Reference Case. PM Peak



Figure 52 Delays, seconds – 2040 Scenario 1B 'Ashridge'. AM Peak

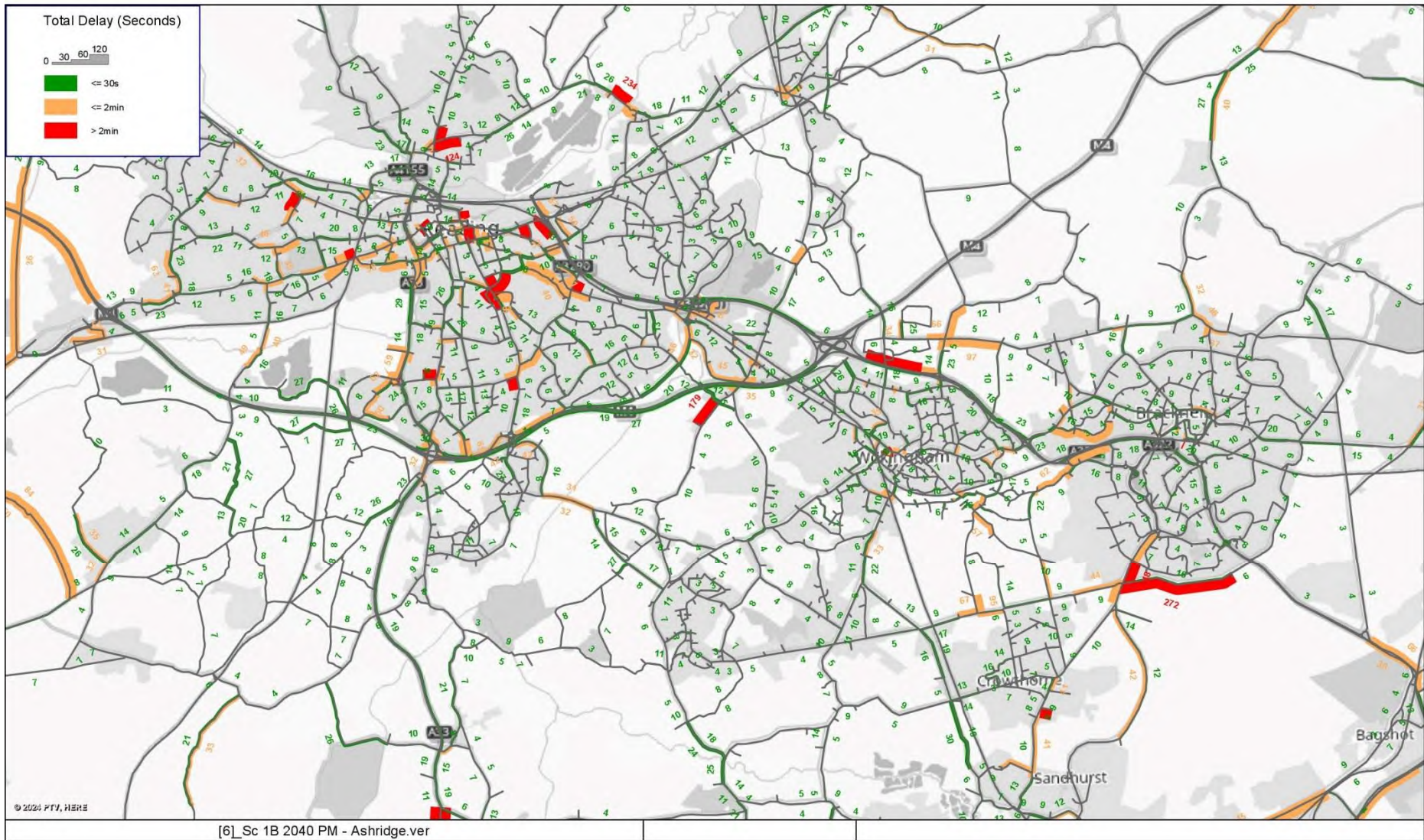


Figure 53 Delays, seconds – 2040 Scenario 1B 'Ashridge'. PM Peak

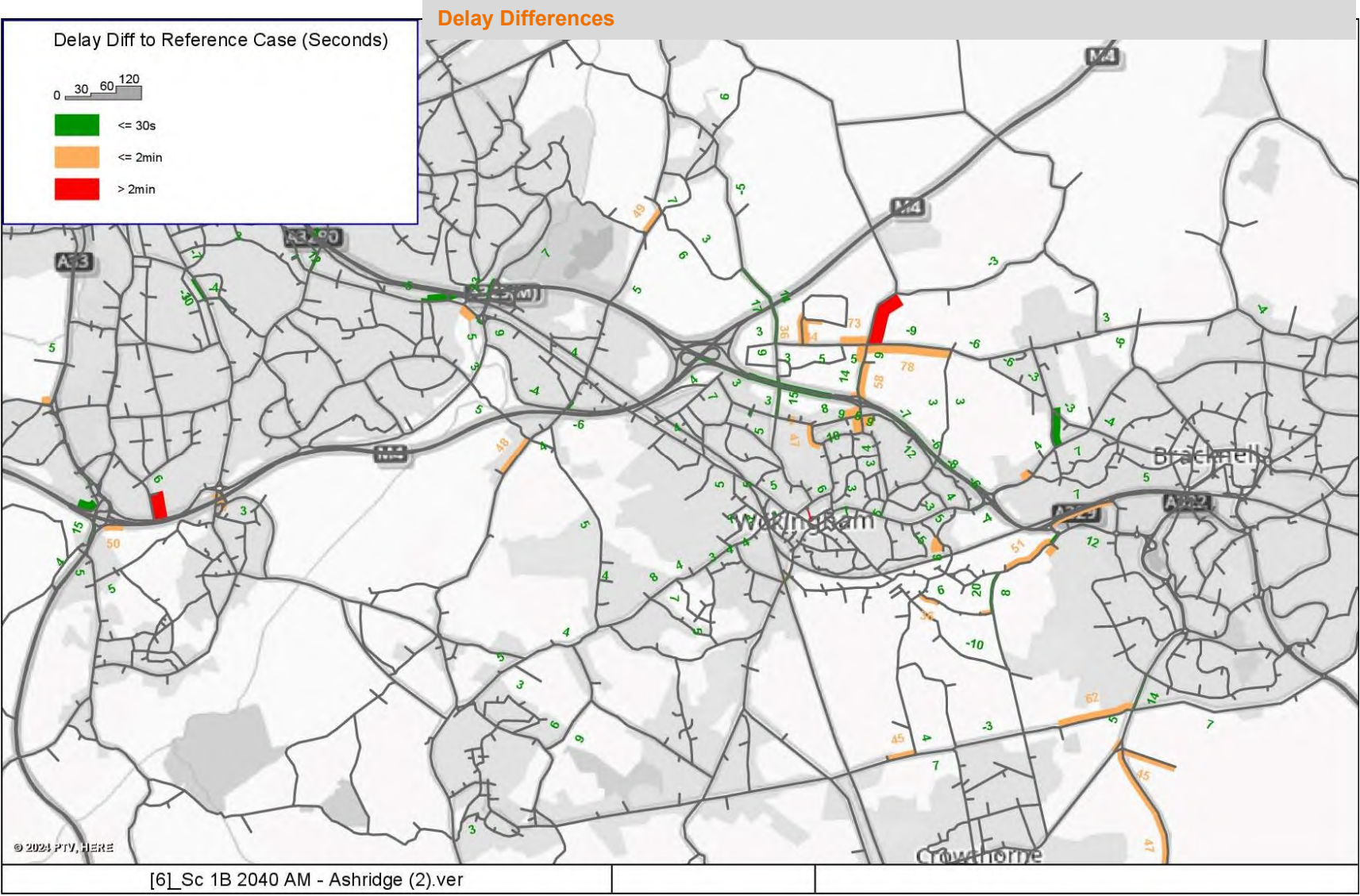


Figure 54 Delay Differences. 2040 Scenario 1B 'Ashridge' minus Reference Case. AM Peak

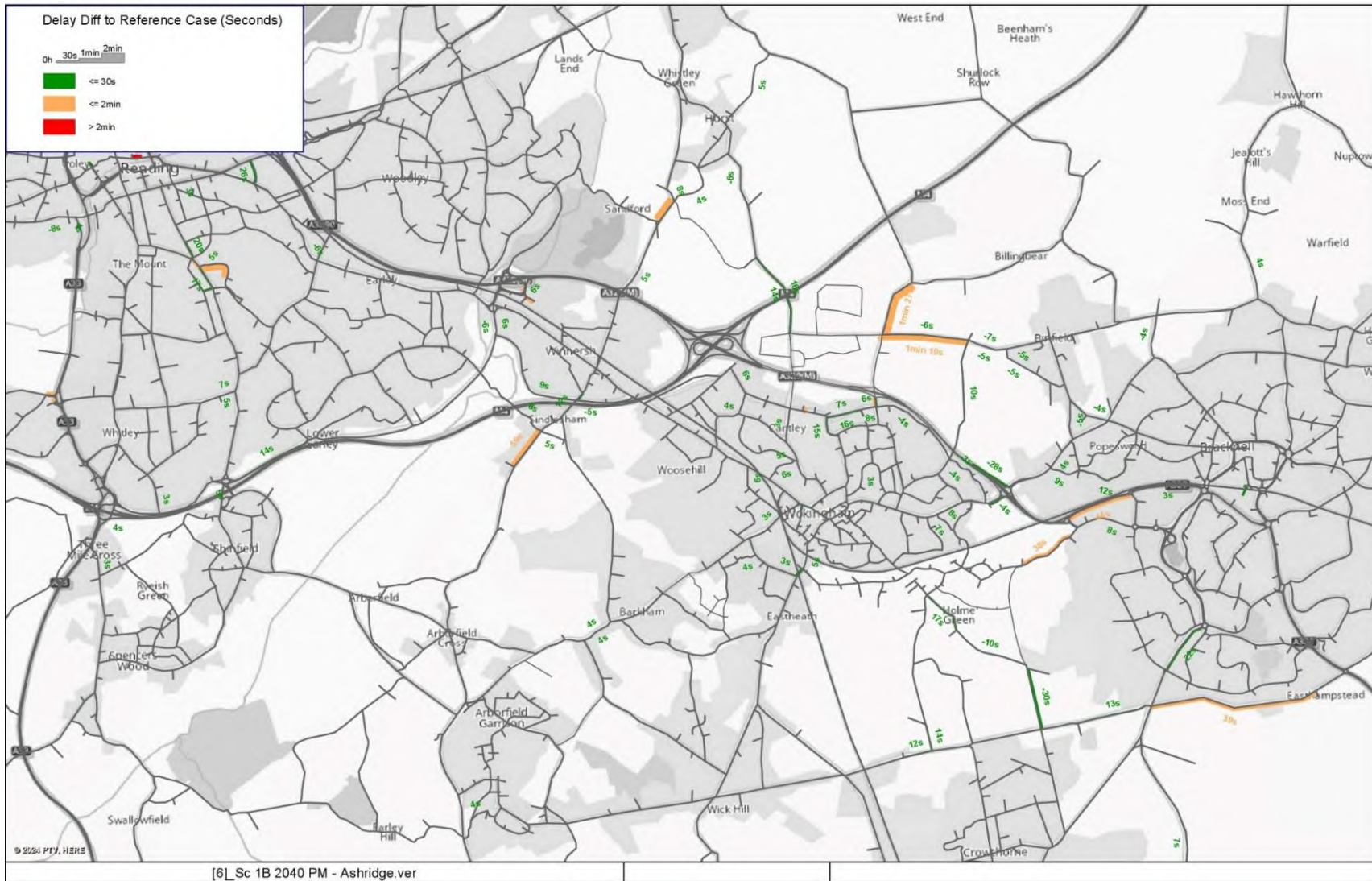


Figure 55 Delay Differences. 2040 Scenario 1B 'Ashridge' minus Reference Case. PM Peak

Journey Times on Selected Routes

Table 32 WSTM4 AM Peak Journey Time Summary – Ashridge

ID	Name	Dir	Journey Time		Difference
			2040 Ref Case	Ashridge	Ashridge 1b minus Ref
Local Road Network					
1	A33	NB	16:57	17:37	00:40
		SB	16:53	17:01	00:08
3	A329 (M)	SB	10:13	10:39	00:26
		NB	11:27	12:27	01:00
4	A329 Reading Road	NB	26:35	30:21	03:46
		SB	29:31	29:05	-00:26
5	Lower Earley Way	EB	12:09	12:38	00:29
		WB	16:12	16:33	00:21
6	A327 ERR	NB	23:28	23:59	00:31
		SB	15:53	16:01	00:08
7	A327 Mole Road	NB	17:12	19:09	01:57
		SB	16:52	17:54	01:02
8	Barkham Road B3349	EB	20:03	20:55	00:52
		WB	20:48	22:51	02:03
9	A4 - Bath Road	EB	47:32	48:14	00:42
		WB	44:11	44:47	00:36
10	A321	NB	20:43	24:03	03:20
		SB	20:38	23:25	02:47
11	A321 to Henley	NB	19:37	23:00	03:23
		SB	17:38	22:22	04:44
12	B3034 Forrest Road	NB	24:07	28:22	04:15
		SB	24:03	26:53	02:50
Average Travel Times			21:29	23:06	+7.5%
Strategic Road Network					
2	M4	EB	16:22	16:24	00:02
		WB	16:17	16:21	00:04
Average Travel Times			16:19	16:23	+0.3%

Table 33 WSTM4 PM Peak Journey Time Summary - Ashridge

ID	Name	Dir	Journey Time		Difference
			2040 Ref Case	Ashridge 1B Scenario	Ashridge 1B minus Ref
Local Road Network					
1	A33	NB	18:41	18:46	00:05
		SB	17:40	17:57	00:17
3	A329 (M)	SB	10:48	12:40	01:52
		NB	10:27	11:29	01:02
4	A329 Reading Road	NB	26:18	26:24	00:06
		SB	25:23	25:30	00:07
5	Lower Earley Way	EB	13:10	13:22	00:12
		WB	15:04	15:02	-00:02
6	A327 ERR	NB	20:34	21:37	01:03
		SB	17:23	17:53	00:30
7	A327 Mole Road	NB	17:30	21:14	03:44
		SB	16:28	17:22	00:54
8	Barkham Road B3349	EB	18:47	19:24	00:37
		WB	19:44	21:13	01:29
9	A4 - Bath Road	EB	52:06	52:19	00:13
		WB	48:00	48:10	00:10
10	A321	NB	20:24	23:44	03:20
		SB	20:33	23:16	02:43
11	A321 to Henley	NB	18:42	21:33	02:51
		SB	18:39	22:02	03:23
12	B3034 Forrest Road	NB	25:39	28:03	02:24
		SB	25:18	27:46	02:28
Average Travel Times			21:42	23:02	+6.2%
Strategic Road Network					
2	M4	EB	16:18	16:19	00:01
		WB	16:29	16:31	00:02
Average Travel Times			16:23	16:25	+0.2%

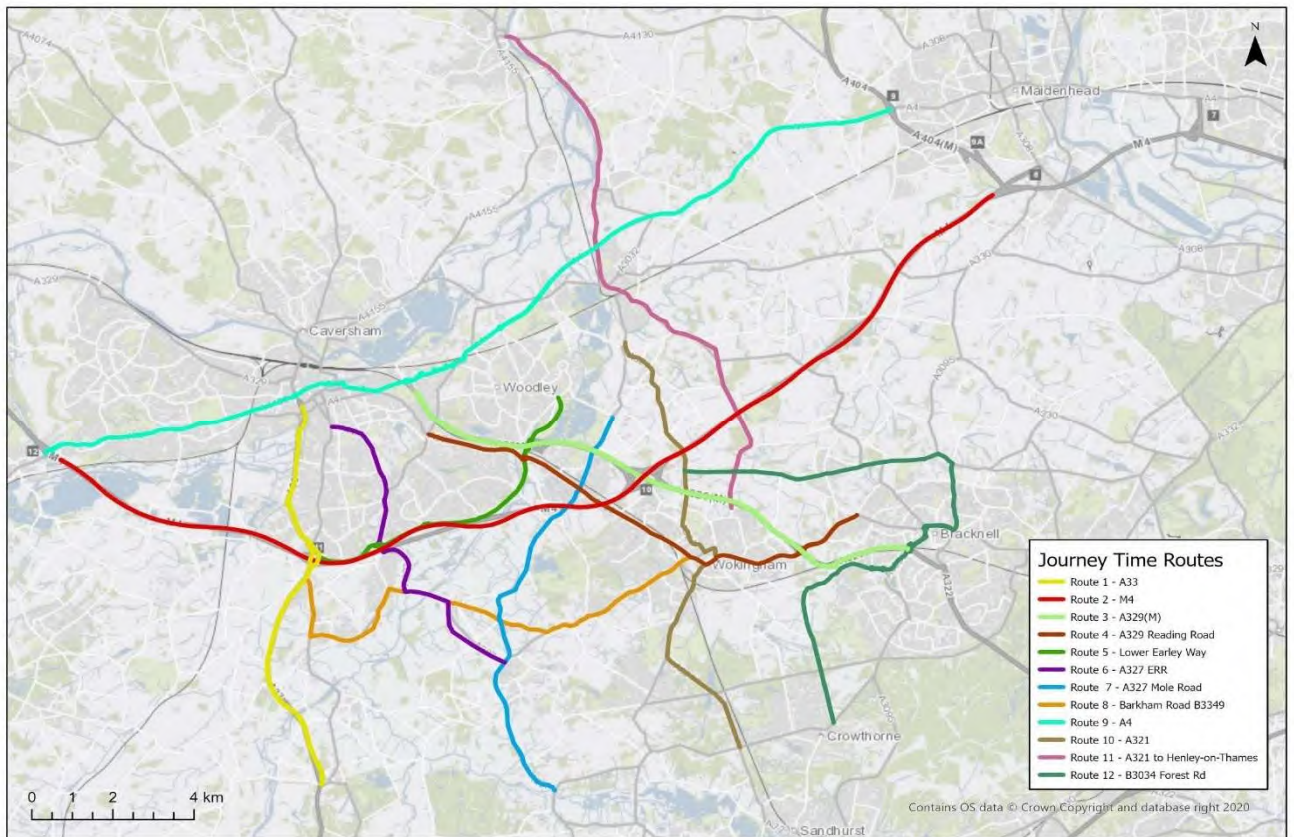


Figure 56 Journey Time Routes

V/C for the Worst Performing Turn at a Junction



Figure 57 V/C Ratio for the Worst Performing Turn – 2040 Reference Case. AM Peak



Figure 58 V/C Ratio for the Worst Performing Turn – 2040 Reference Case, PM Peak

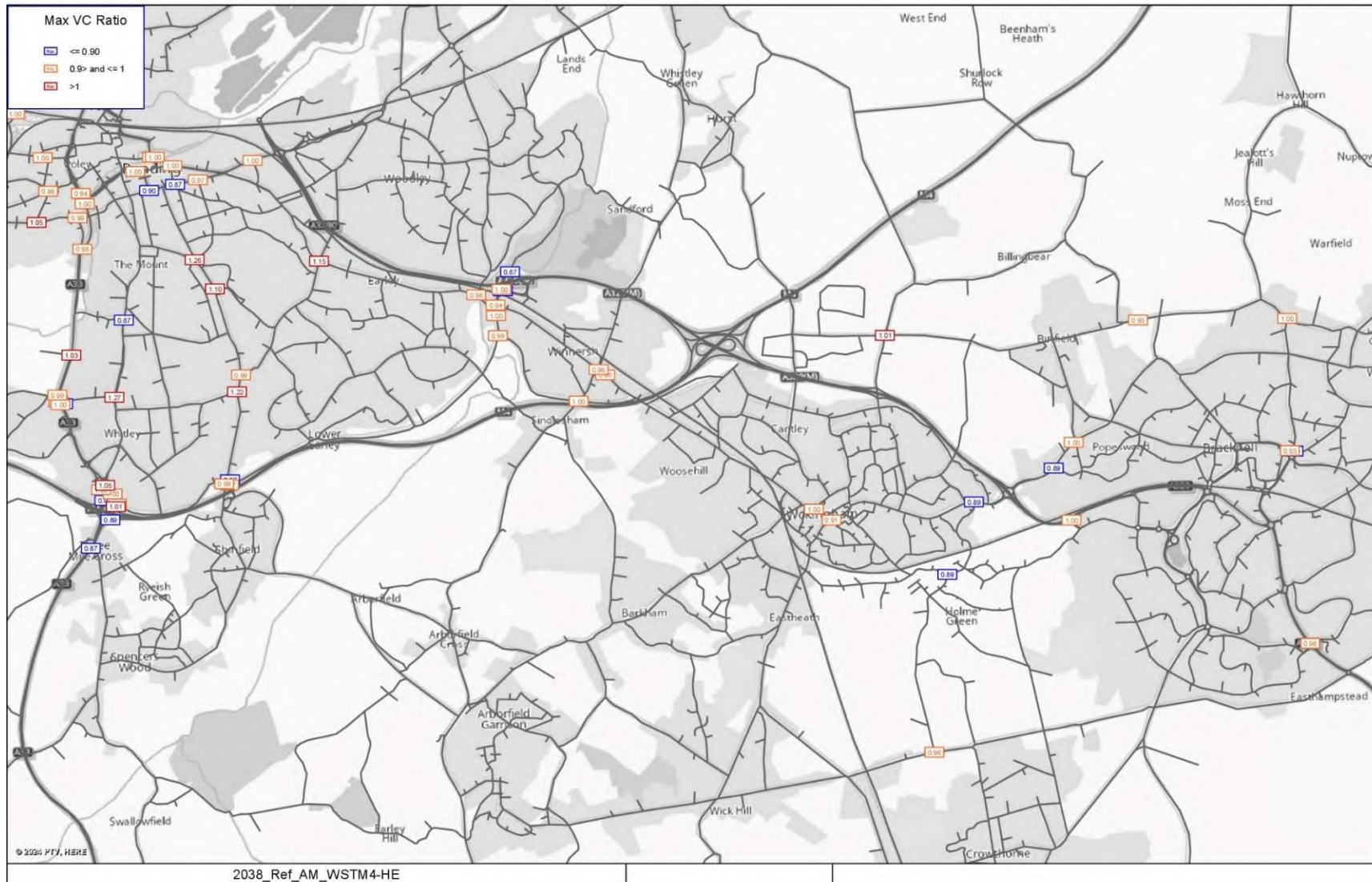


Figure 60 V/C Ratio for the Worst Performing Turn – 2040 Scenario 1B 'Ashridge'. PM Peak

Appendix G WSTM4 Outputs. Twyford

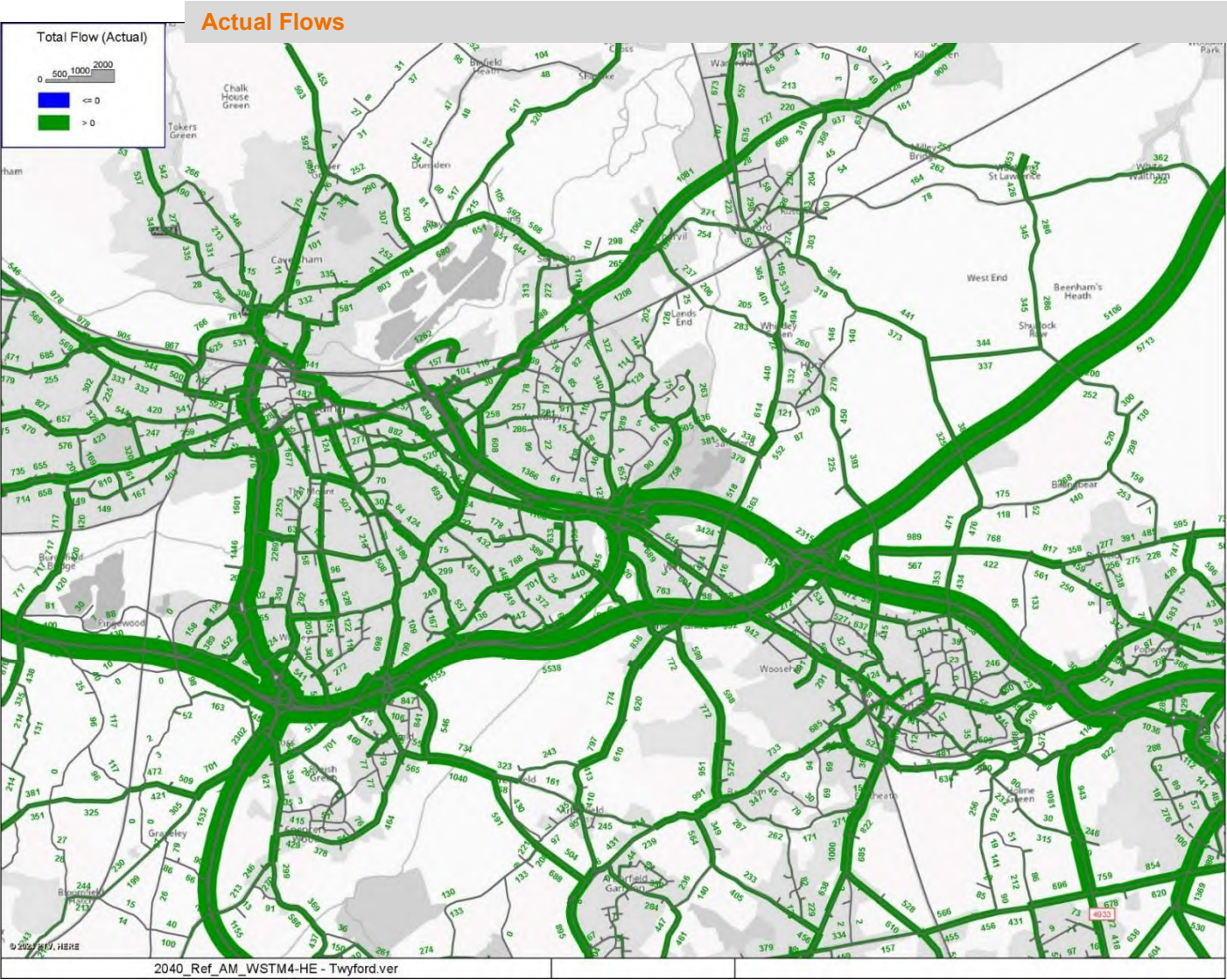


Figure 61 Actual Flows, vehicles – 2040 Reference Case. AM Peak

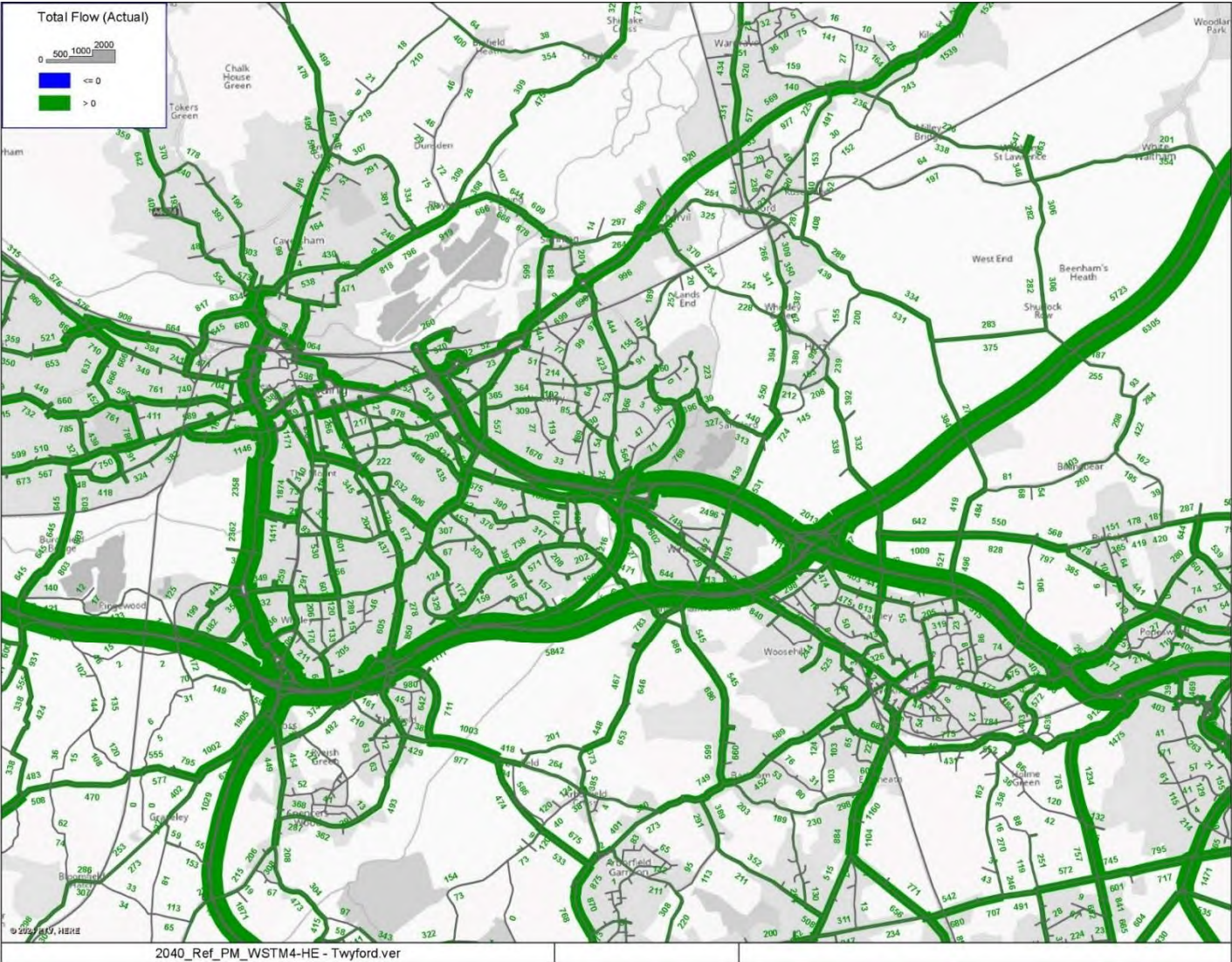


Figure 62 Actual Flows, vehicles – 2040 Reference Case. PM Peak

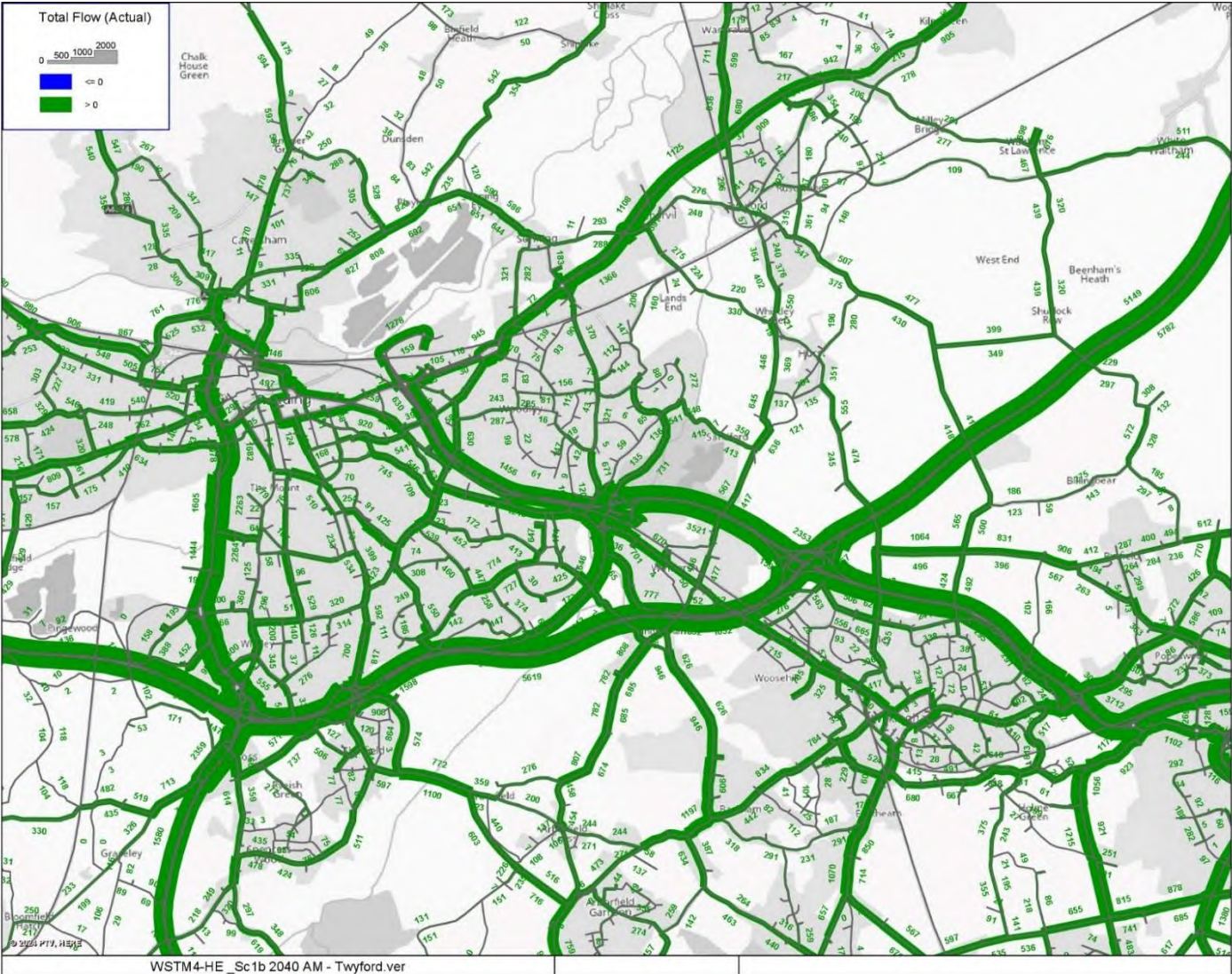


Figure 63 Actual Flows, vehicles – 2040 Scenario 1B 'Twyford/ Garden Village'. AM Peak

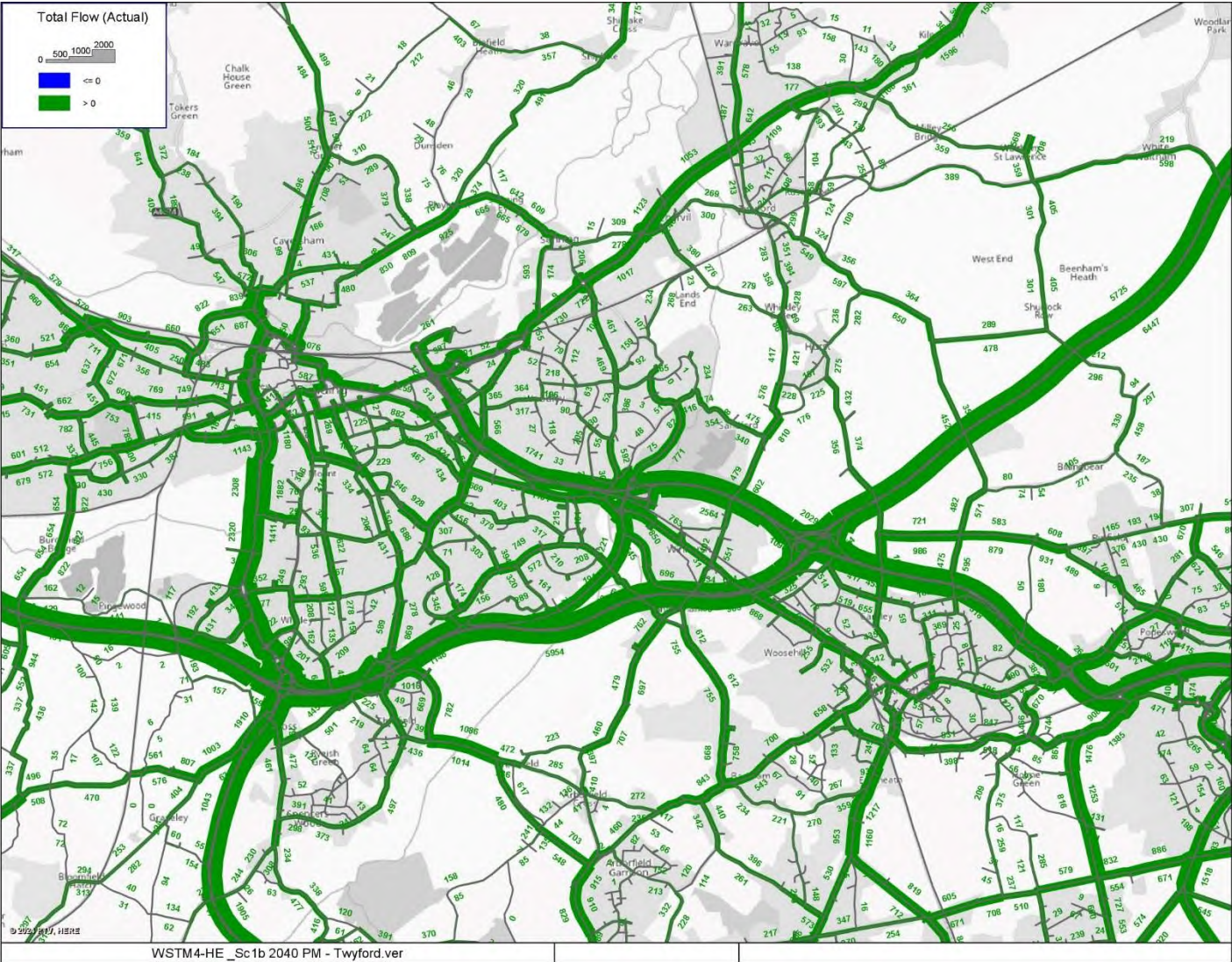


Figure 64 Actual Flows, vehicles – 2040 Scenario 1B 'Twyford/ Garden Village'. PM Peak

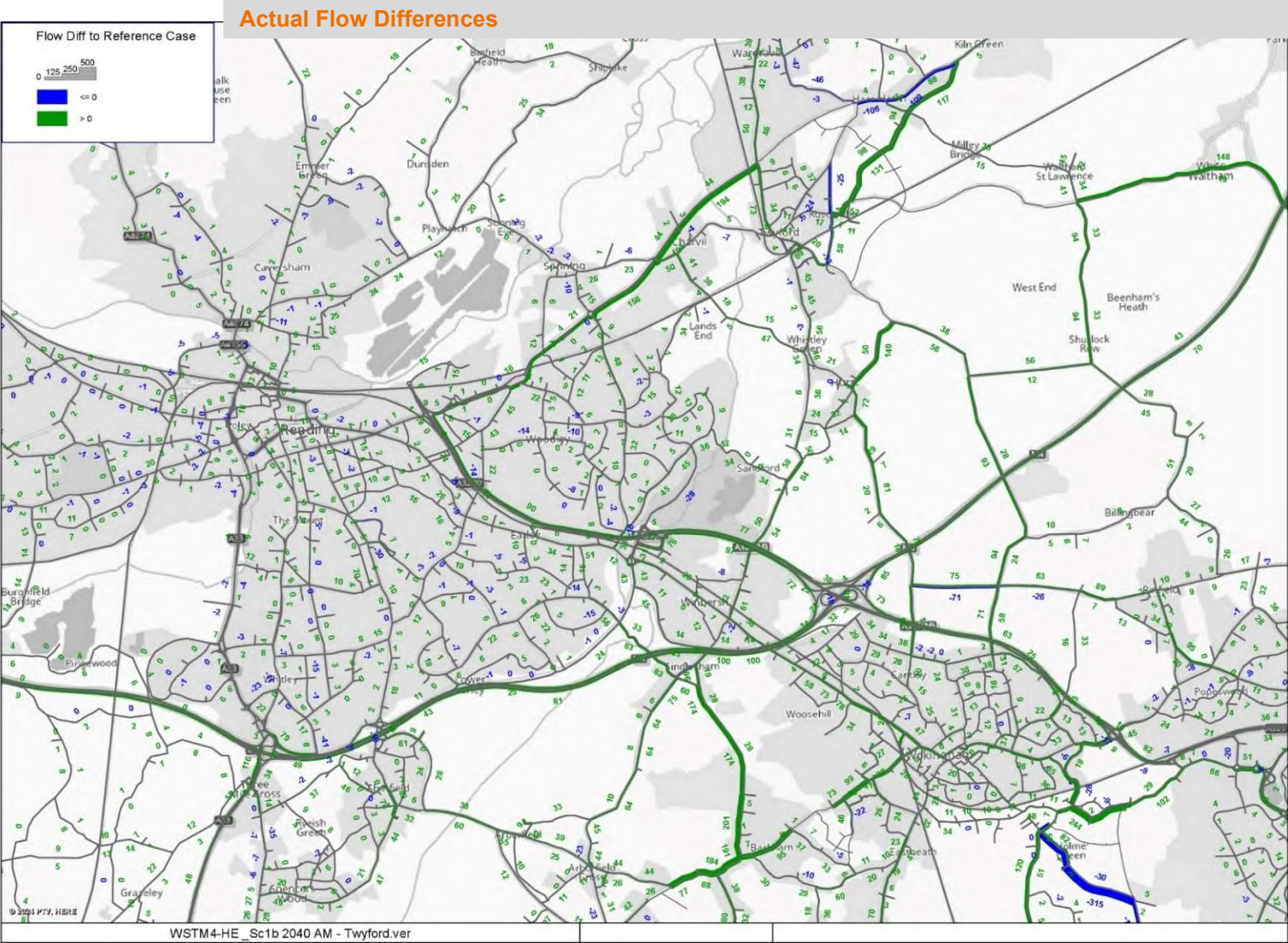


Figure 65 Actual Flow Differences. 2040 Scenario 1B 'Twyford' minus Ref Case. AM Peak

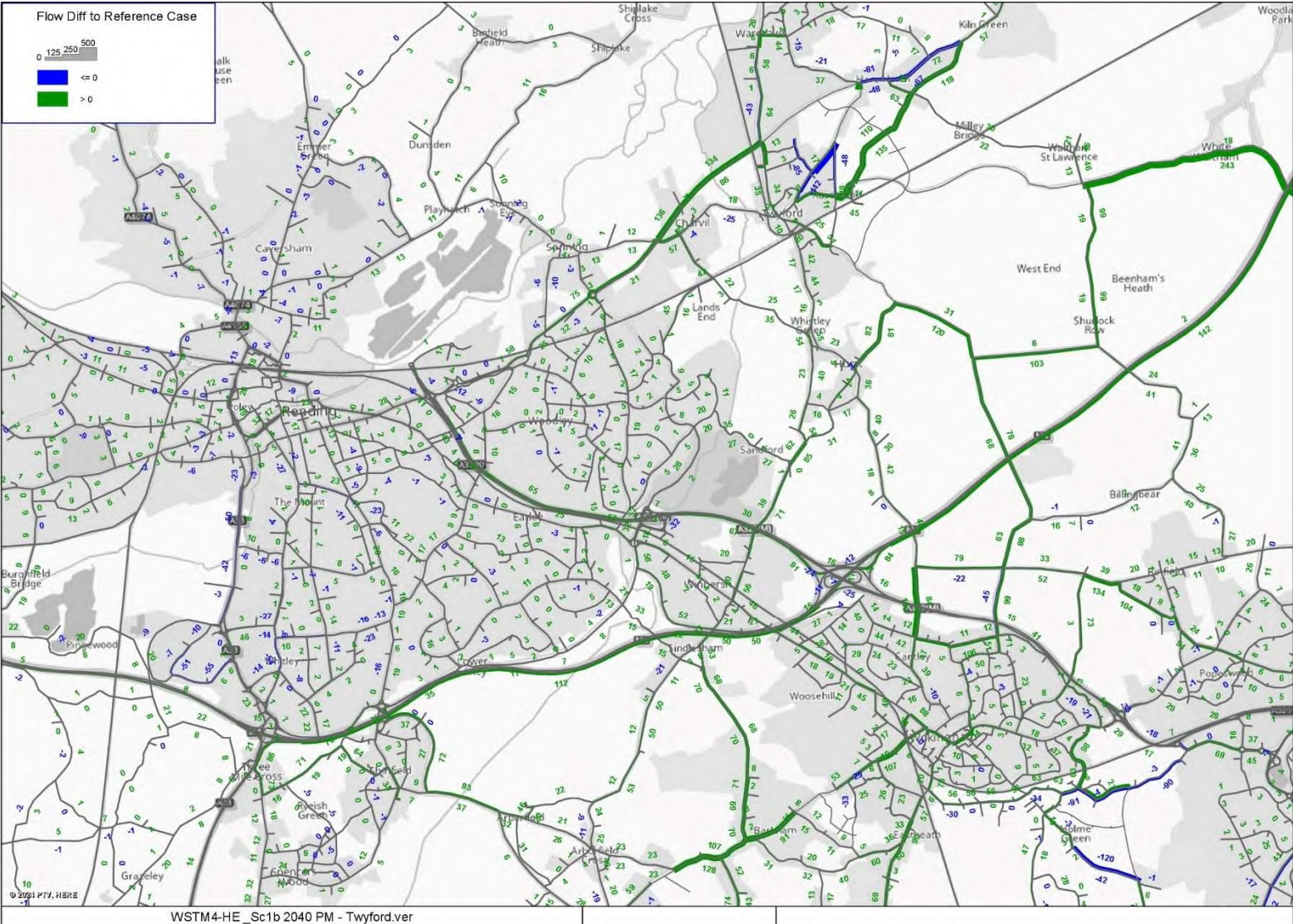


Figure 66 Actual Flow Differences. 2040 Scenario 1B 'Twyford' minus Ref Case. PM Peak

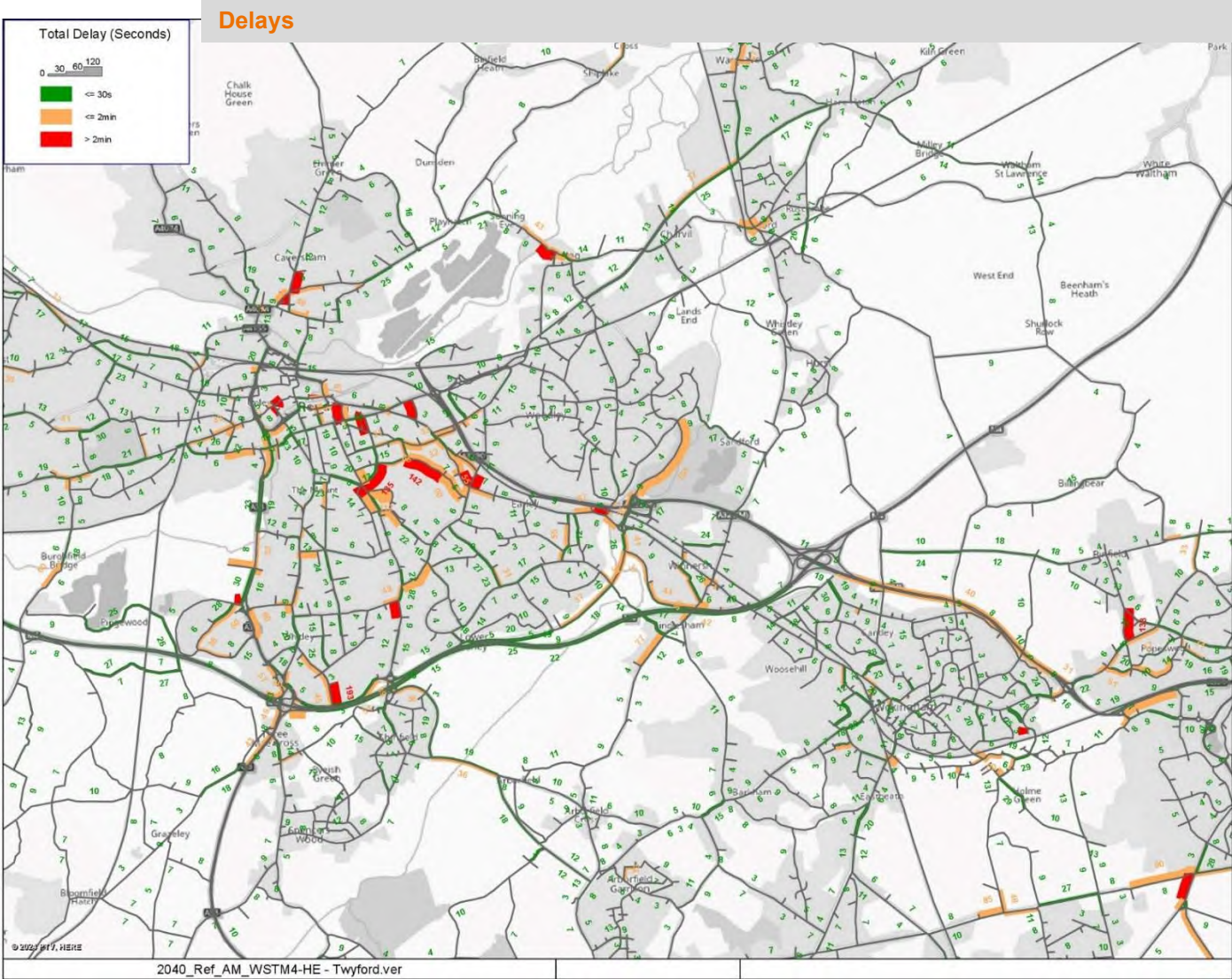


Figure 67 Delays, seconds – 2040 Reference Case. AM Peak



Figure 68 Delays, seconds – 2040 Reference Case. PM Peak

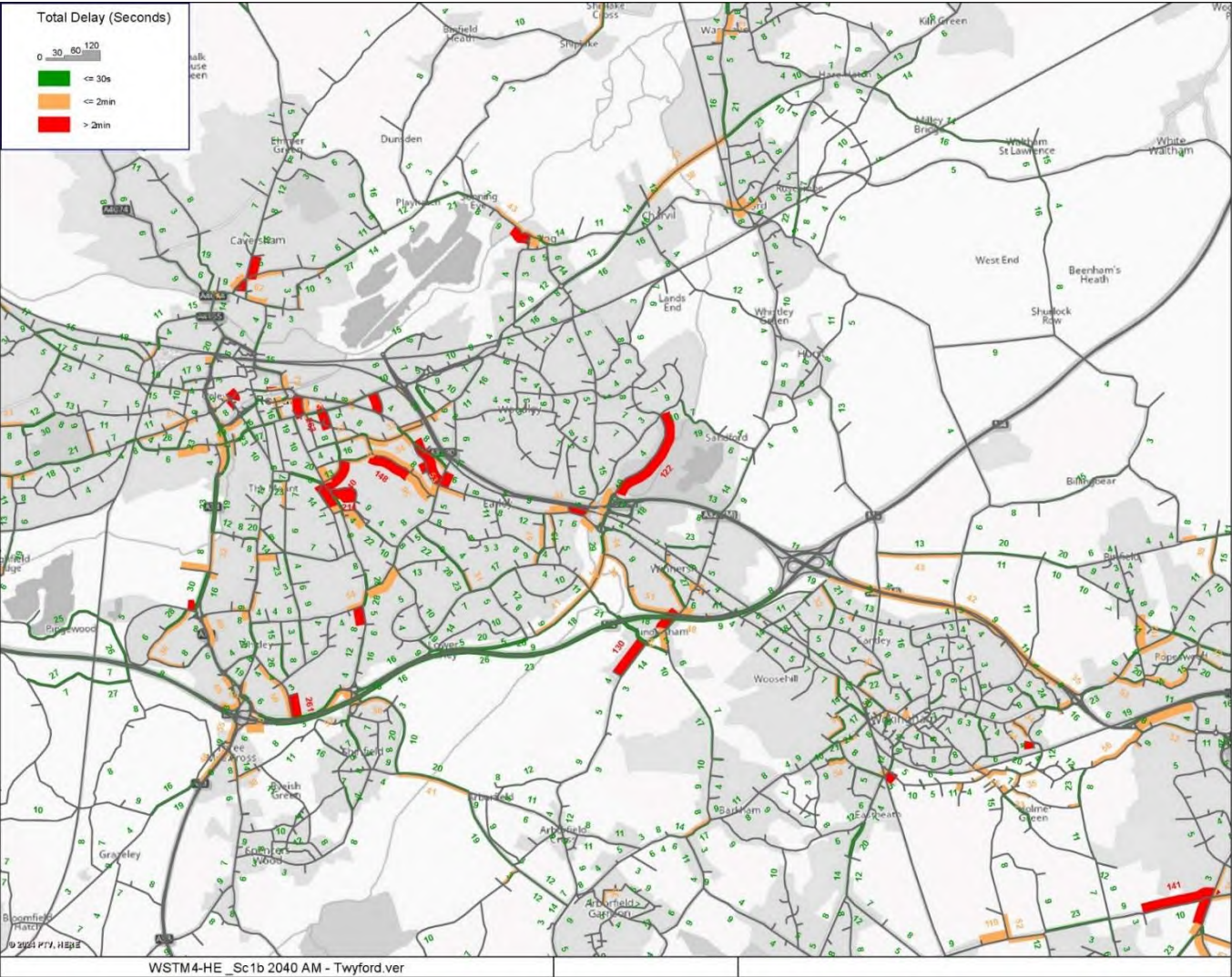


Figure 69 Delays, seconds – 2040 Scenario 1B 'Twyford'. AM Peak

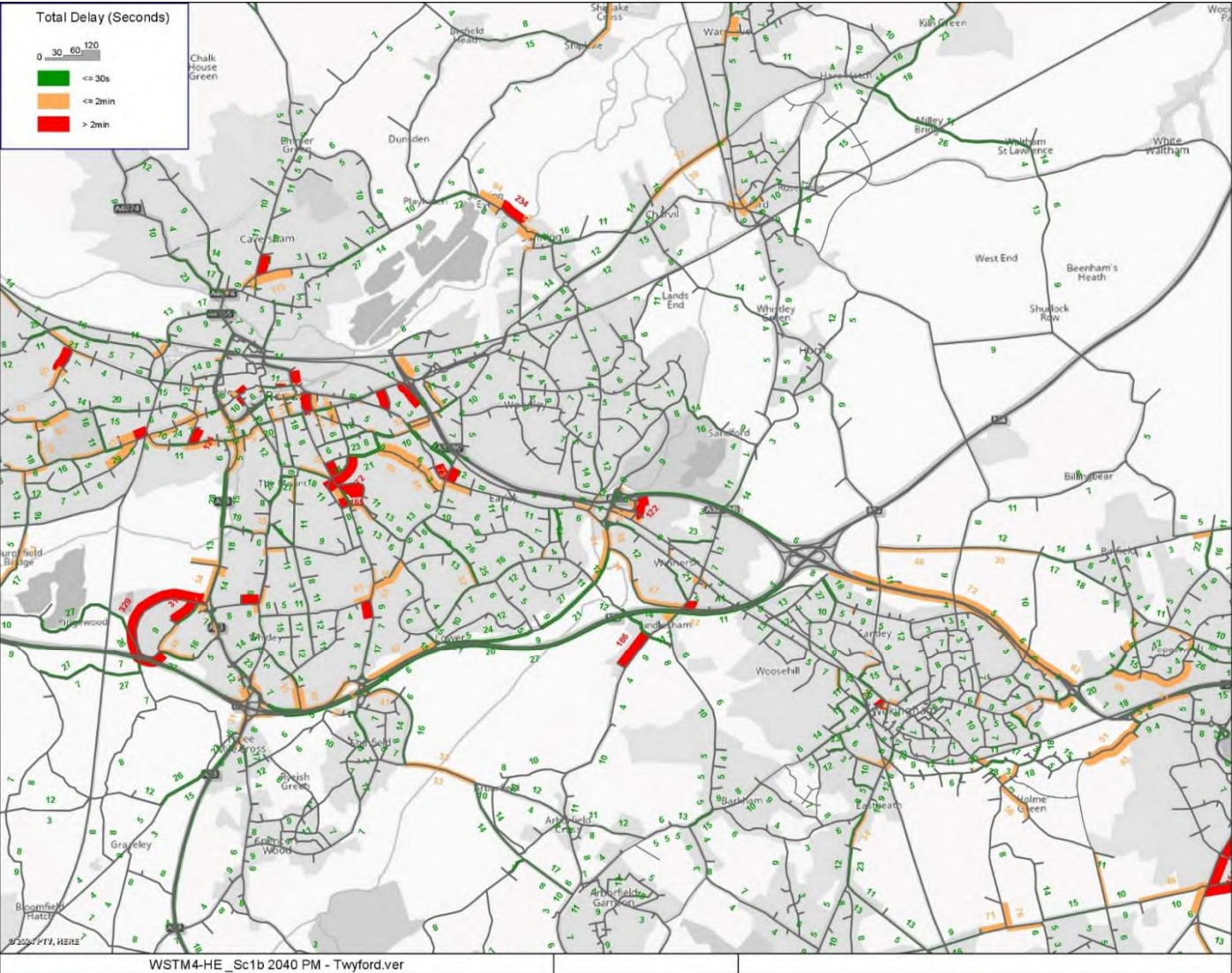


Figure 70 Delays, seconds – 2040 Scenario 1B 'Twyford'. PM Peak

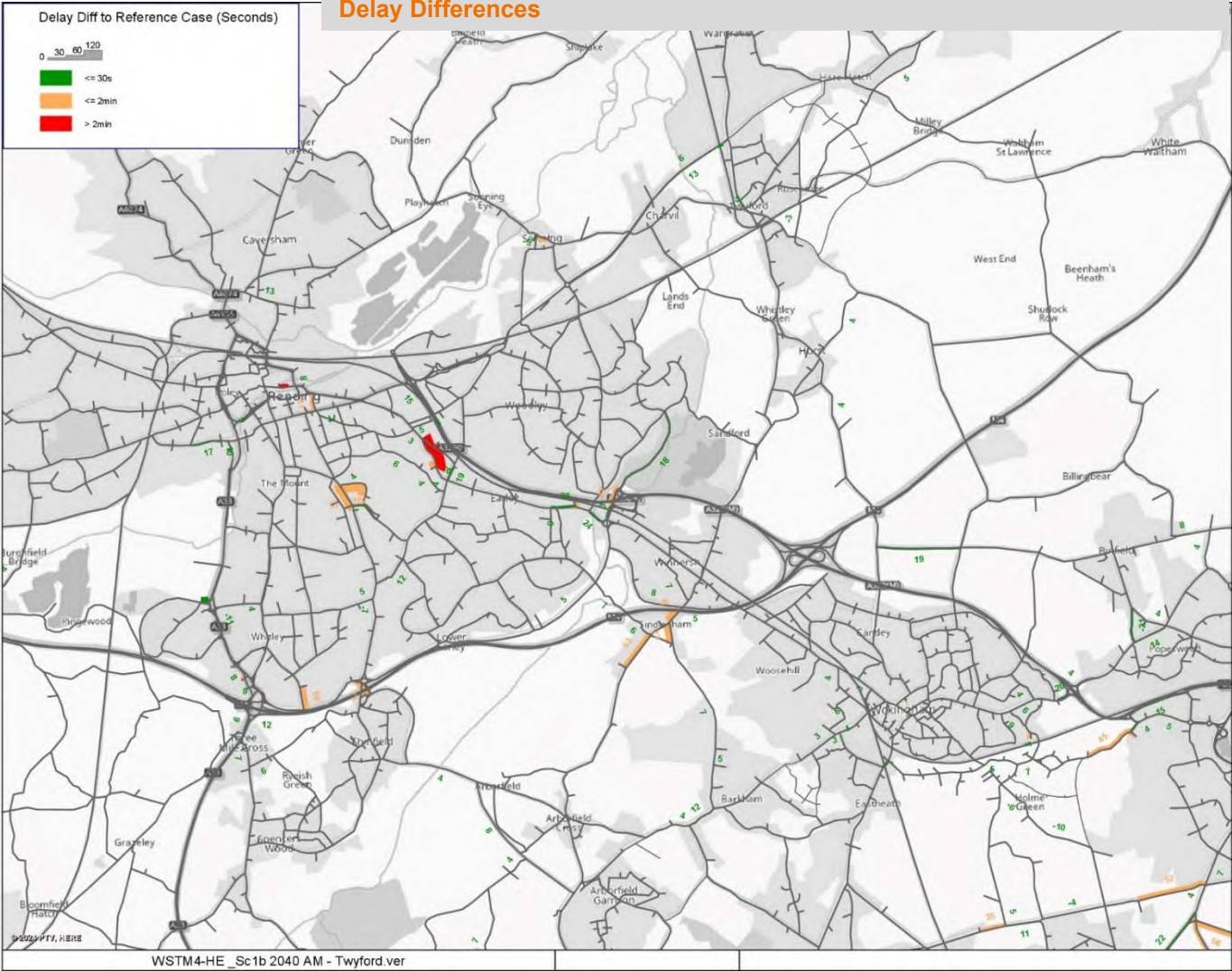


Figure 71 Delay Differences. 2040 Scenario 1B 'Twyford' minus Reference Case. AM Peak

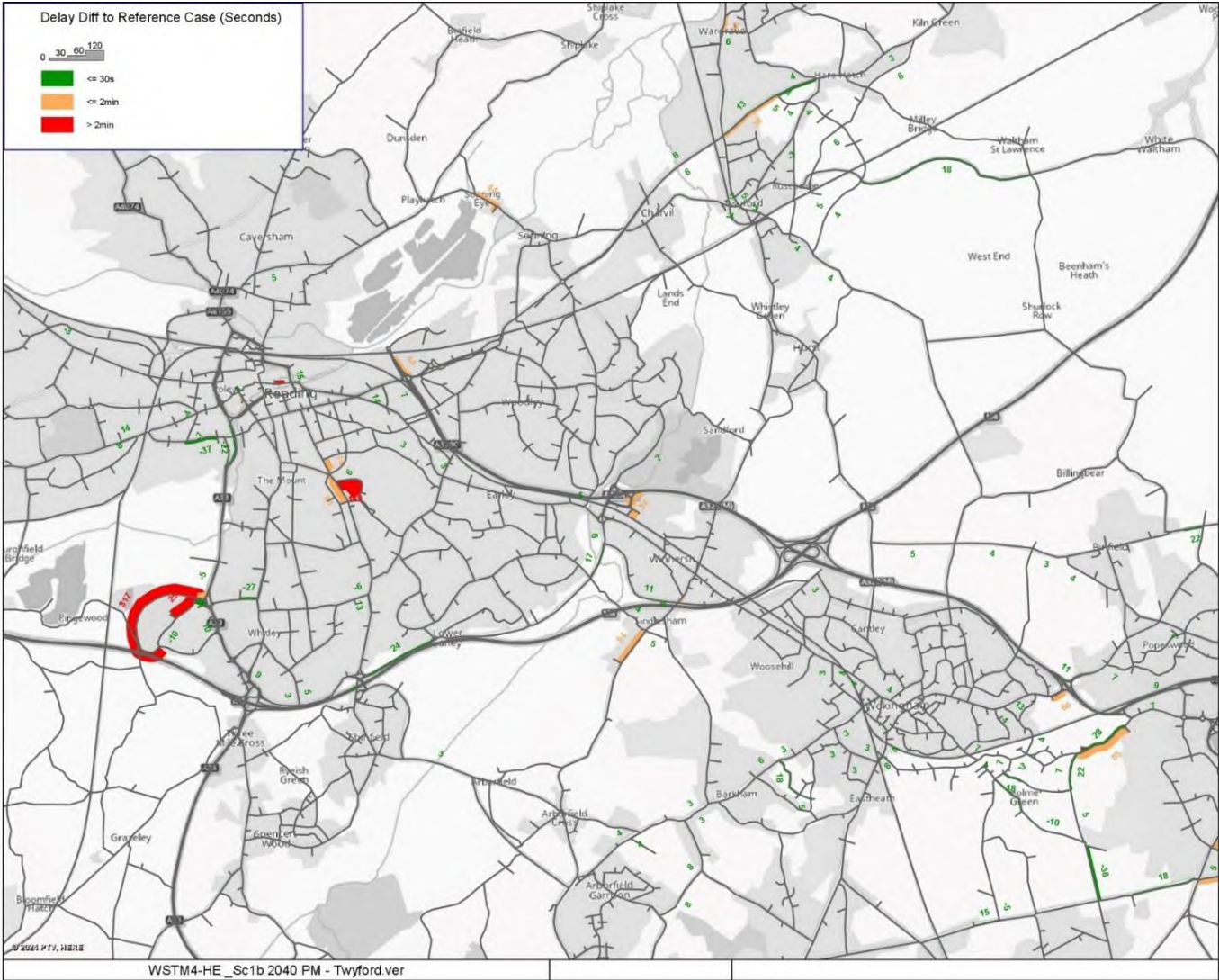


Figure 72 Delay Differences. 2040 Scenario 1B 'Twyford' minus Reference Case. PM Peak

Journey Times on Selected Routes

Table 32 WSTM4 AM Peak Journey Time Summary – Twyford

ID	Name	Dir	Journey Time		Difference
			Twyford Ref Case	Twyford	Twyford 1b minus Ref
Local Road Network					
1	A33	NB	17:01	17:33	00:32
		SB	17:03	16:57	-00:06
3	A329 (M)	SB	10:20	10:25	00:05
		NB	11:28	11:48	00:20
4	A329 Reading Road	NB	26:56	28:24	01:28
		SB	28:27	29:54	01:27
5	Lower Earley Way	EB	12:33	13:45	01:12
		WB	16:47	17:27	00:40
6	A327 ERR	NB	23:56	26:27	02:31
		SB	16:00	16:07	00:07
7	A327 Mole Road	NB	18:07	20:16	02:09
		SB	17:17	17:46	00:29
8	Barkham Road B3349	EB	20:14	21:04	00:50
		WB	21:03	23:21	02:18
9	A4 - Bath Road	EB	48:47	49:17	00:30
		WB	45:29	46:12	00:43
10	A321	NB	20:55	21:55	01:00
		SB	20:47	21:22	00:35
11	A321 to Henley	NB	21:41	22:31	00:50
		SB	19:49	20:08	00:19
12	B3034 Forrest Road	NB	24:22	26:12	01:50
		SB	24:16	25:10	00:54
Average Travel Times			21:58	22:55	+4.3%
Strategic Road Network					
2	M4	EB	16:23	16:24	00:01
		WB	16:20	16:22	00:02
Average Travel Times			16:22	16:23	+0.1%

Table 33 WSTM4 PM Peak Journey Time Summary - Twyford

ID	Name	Dir	Journey Time		Difference
			Twyford Ref	Twyford 1b Scenario	Twyford 1b minus Ref
Local Road Network					
1	A33	NB	18:51	18:36	-00:15
		SB	17:38	17:52	00:14
3	A329 (M)	SB	10:52	10:52	00:00
		NB	10:26	10:32	00:06
4	A329 Reading Road	NB	26:25	27:45	01:20
		SB	25:26	26:01	00:35
5	Lower Earley Way	EB	13:13	14:05	00:52
		WB	15:05	15:25	00:20
6	A327 ERR	NB	20:14	22:42	02:28
		SB	17:25	17:53	00:28
7	A327 Mole Road	NB	17:38	19:51	02:13
		SB	16:38	17:23	00:45
8	Barkham Road B3349	EB	18:46	19:27	00:41
		WB	19:45	21:21	01:36
9	A4 - Bath Road	EB	52:46	53:58	01:12
		WB	49:02	49:47	00:45
10	A321	NB	20:27	21:28	01:01
		SB	20:40	21:18	00:38
11	A321 to Henley	NB	18:53	19:08	00:15
		SB	19:56	20:48	00:52
12	B3034 Forrest Road	NB	25:43	26:54	01:11
		SB	25:26	26:47	01:21
Average Travel Times			21:52	22:43	+3.9%
Strategic Road Network					
2	M4	EB	16:18	16:18	00:00
		WB	16:29	16:32	00:03
Average Travel Times			16:23	16:25	+0.2%

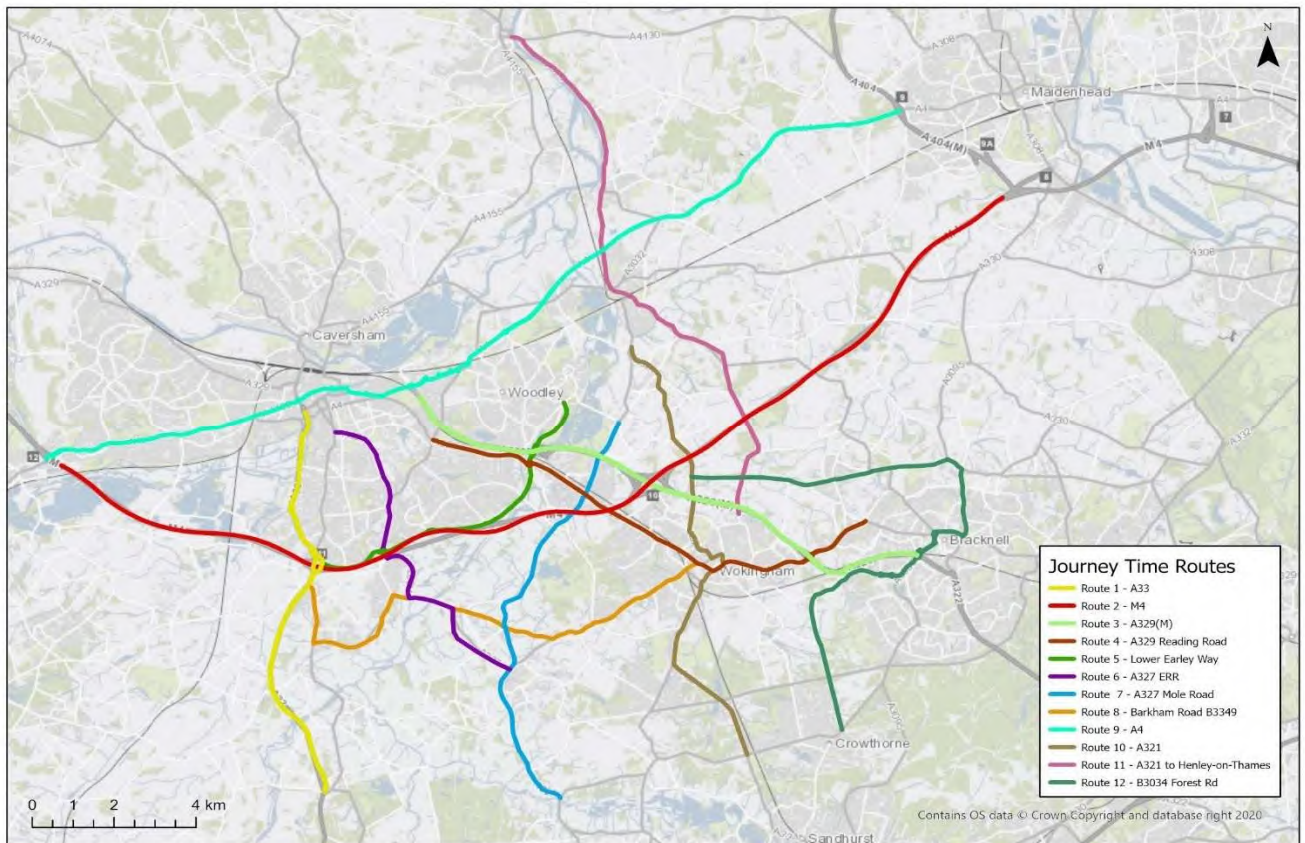


Figure 73 Journey Time Routes

V/C for the Worst Performing Turn at a Junction

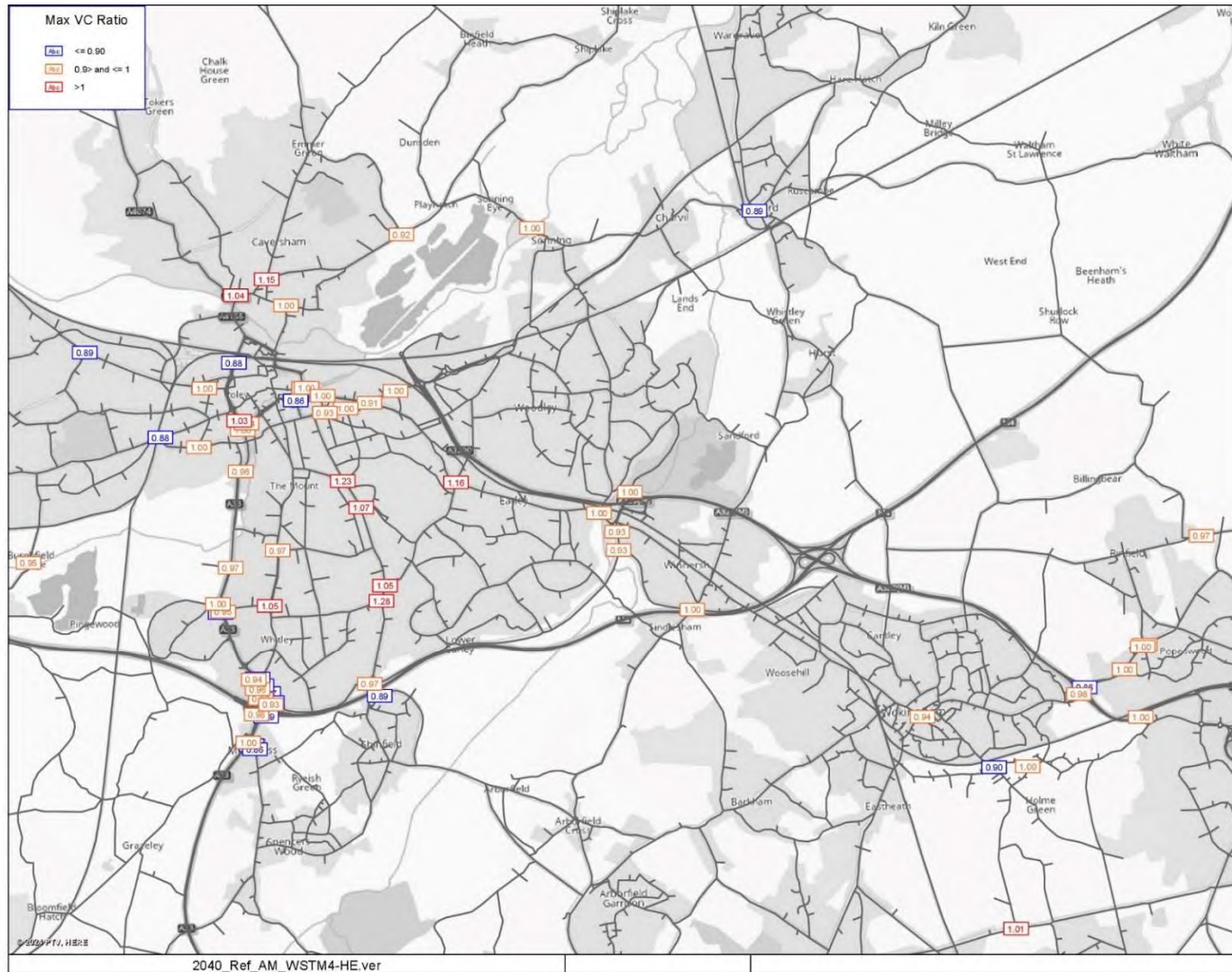


Figure 74 V/C Ratio for the Worst Performing Turn – 2040 Reference Case, AM Peak

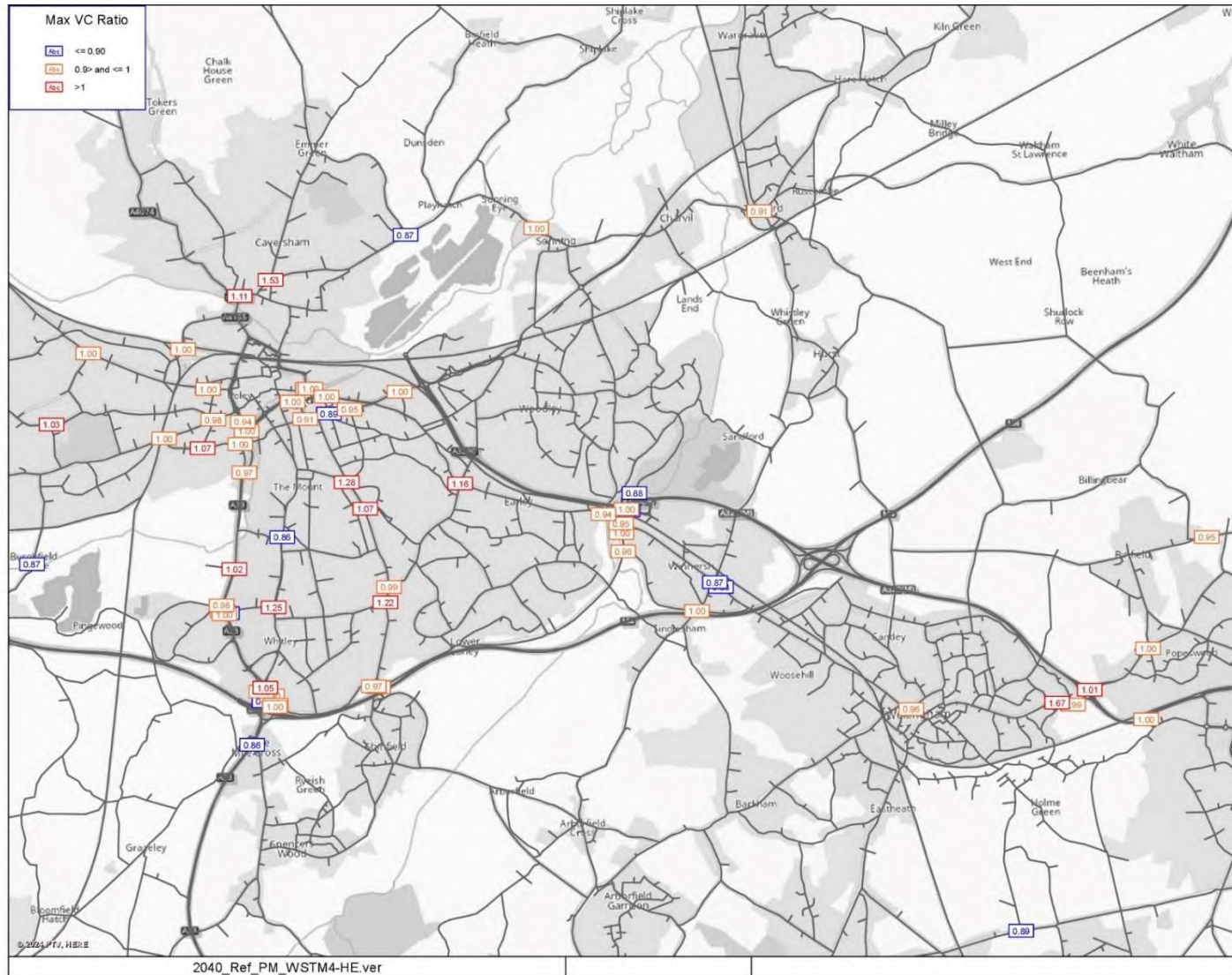


Figure 75 V/C Ratio for the Worst Performing Turn – 2040 Reference Case. PM Peak

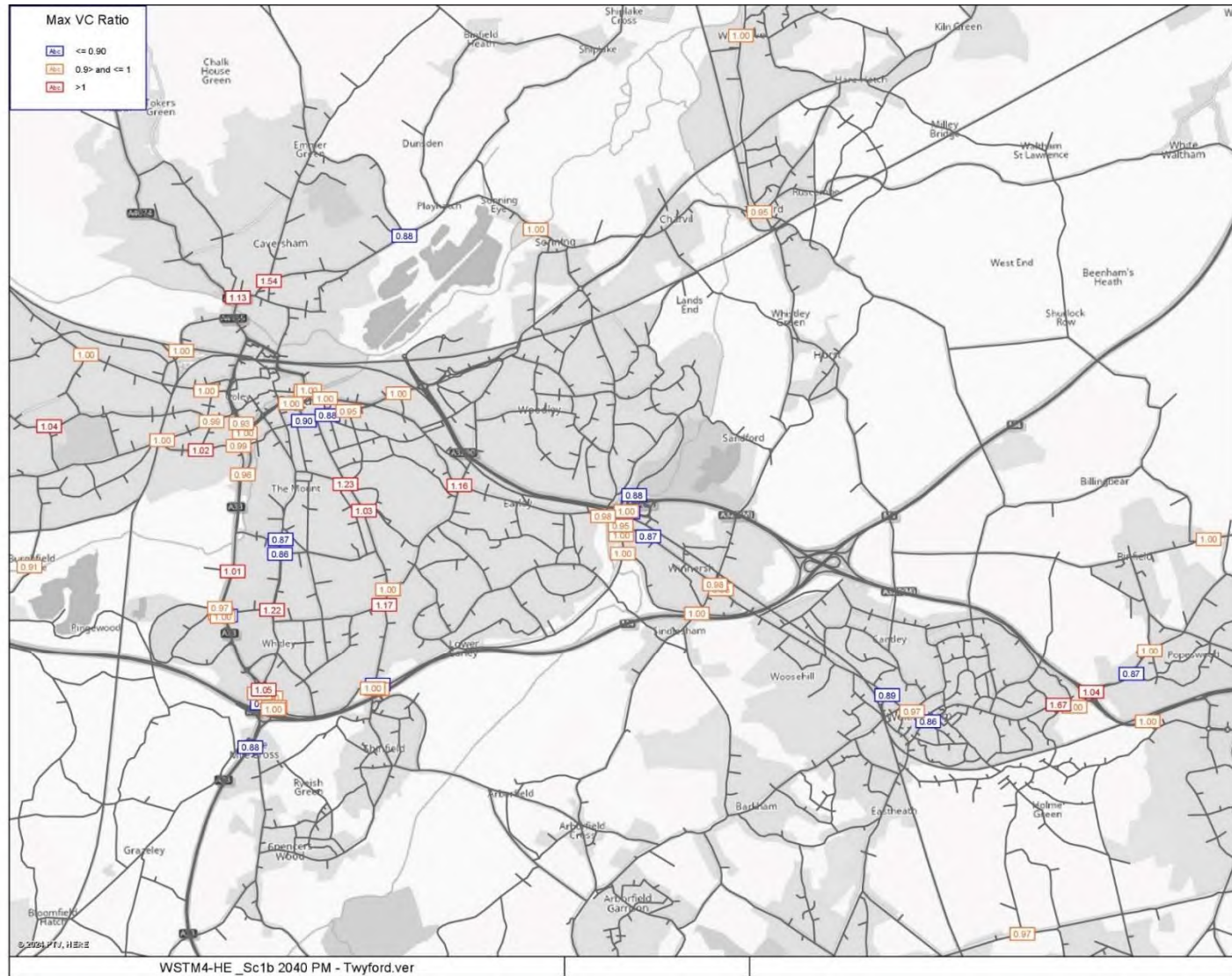


Figure 77 V/C Ratio for the Worst Performing Turn – 2040 Scenario 1B 'Twyford'. PM Peak

