

Scenario development to inform air quality action planning in the London Borough of Ealing

Volume 2: Probe Vehicle Survey Results

Version: December 12th 2014 Author: Dr Glyn Rhys-Tyler DEFRA Project reference: 334b2012

Title:	Scenario development to inform air quality action planning in the London Borough of Ealing
	Volume 2: Probe vehicle survey results
Client:	London Borough of Ealing
DEFRA Project I	Reference: 334b2012
Version:	1.4
Date:	December 12 th 2014
Author:	Dr Glyn Rhys-Tyler
Reviewed by:	Dr John Freeman (London Borough of Ealing)
	Rizwan Yunus (London Borough of Ealing)

Disclaimer

The views expressed in this report are those of the author, and do not necessarily reflect the policy or position of the London Borough of Ealing.

Copyright notice

Aerial photographs copyright © Google Earth Pro

Summary results from Probe Vehicle Surveys

Surveys carried out from October 3rd to 18th 2013 inclusive, weekdays only, between 0900 and 1800, using a passenger car (Ford Focus). Vehicle speed data collected at 10Hz.

Case study locations:

- a) Acton High Street
- b) Horn Lane
- c) A40 Western Avenue
- d) Haven Green / The Mall
- e) Western Road, Southall

Notes:

- i. Western Road, Southall: Results were influenced by the presence of temporary traffic signals in the vicinity of the junctions with Albert Road / Leonard Road (gas main repairs).
- ii. A40 Western Avenue (eastbound): Note that results for Section 'P' relate to right turning traffic at Savoy Circus. Delays will be greater than the straight ahead movement due to relatively less green time at the traffic signals.

Contents

1. Acton High Street	7
2. Horn Lane	21
3. A40 Western Avenue	
4. Haven Green / The Mall	55
5. Western Road, Southall	74

List of Figures

Figure 1: Acton High Street - Case study area	8
Figure 2: Acton High Street – Sections 'A' to 'E'	
Figure 3: Acton High Street – Sections 'D' to 'H'	10
Figure 4: Acton High Street (eastbound) – Duration of stops	14
Figure 5: Acton High Street (eastbound) – Duration stationary > 10 seconds	14
Figure 6: Acton High Street (westbound) – Duration of stops	19
Figure 7: Acton High Street (westbound) – Duration stationary >10 seconds	
Figure 8: Horn Lane – Case study area	22
Figure 9: Horn Lane – Sections 'A' to 'D'	23
Figure 10: Horn Lane – Sections 'C' to 'H'	24
Figure 11: Horn Lane – Sections 'G' to 'L'	25
Figure 12: Horn Lane – Sections 'K' to 'O'	26
Figure 13: Horn Lane (northbound) – Duration of stops	30
Figure 14: Horn Lane (northbound) – Duration stationary >10 seconds	30
Figure 15: Horn Lane (southbound) – Duration of stops	35
Figure 16: Horn Lane (southbound) – Duration stationary >10 seconds	35
Figure 17: A40 Western Avenue – Case study area	38
Figure 18: A40 Western Avenue – Sections 'A' to 'D'	
Figure 19: A40 Western Avenue – Sections 'D' to 'G'	
Figure 20: A40 Western Avenue – Sections 'G' to 'I'	
Figure 21: A40 Western Avenue – Sections 'I' to 'K'	
Figure 22: A40 Western Avenue – Sections 'K' to 'N'	
Figure 23: A40 Western Avenue – Sections 'N' to 'P'	44
Figure 24: A40 Western Avenue (eastbound) – Duration of stops	48
Figure 25: A40 Western Avenue (eastbound) – Duration stationary >10 seconds	48
Figure 26: A40 Western Avenue (westbound) – Duration of stops	53
Figure 27: A40 Western Avenue (westbound) – Duration stationary >10 seconds	
Figure 28: Haven Green / The Mall – Case study area	
Figure 29: Haven Green – Sections 'A' to 'H'	
Figure 30: The Mall – Sections 'I' to 'K'	
Figure 31: Haven Green (clockwise) – Duration of stops	62
Figure 32: Haven Green (clockwise) – Duration stationary >10 seconds	62
Figure 33: The Mall (eastbound) – Duration of stops	
Figure 34: The Mall (eastbound) – Duration stationary >10 seconds	67
Figure 35: The Mall (westbound) – Duration of stops	
Figure 36: The Mall (westbound) – Duration stationary >10 seconds	
Figure 37: Western Road, Southall – Case study area	
Figure 38: Western Road, Southall – Sections 'A' to 'F'	
Figure 39: Western Road, Southall – Sections 'F' to 'K'	
Figure 40: Western Road, Southall (eastbound) – Duration of stops	
Figure 41: Western Road, Southall (eastbound) – Duration stationary >10 seconds	
Figure 42: Western Road, Southall (westbound) – Duration of stops	
Figure 43: Western Road, Southall (westbound) – Duration stationary >10seconds	86

List of Tables

Table 1: Acton High Street (eastbound) – Journey times	
Table 2: Acton High Street (eastbound) – Average speeds	12
Table 3: Acton High Street (eastbound) – Time spent stationary	13
Table 4: Acton High Street (eastbound) – Time spent >20mph	15
Table 5: Acton High Street (westbound) – Journey times	16
Table 6: Acton High Street (westbound) – Average speeds	17
Table 7: Acton High Street (westbound) – Time spent stationary	18
Table 8: Acton High Street (westbound) – Time spent >20mph	20
Table 9: Horn Lane (northbound) – Journey times	
Table 10: Horn Lane (northbound) – Average speeds	28
Table 11: Horn Lane (northbound) – Time spent stationary	29
Table 12: Horn Lane (northbound) – Time spent >20mph	31
Table 13: Horn Lane (southbound) – Journey times	32
Table 14: Horn Lane (southbound) – Average speeds	33
Table 15: Horn Lane (southbound) – Time spent stationary	34
Table 16: Horn Lane (southbound) – Time spent >20mph	36
Table 17: A40 Western Avenue (eastbound) – Journey times	45
Table 18: A40 Western Avenue (eastbound) – Average speeds	46
Table 19: A40 Western Avenue (eastbound) – Time spent stationary	47
Table 20: A40 Western Avenue (eastbound) – Time spent >20mph	49
Table 21: A40 Western Avenue (westbound) – Journey times	50
Table 22: A40 Western Avenue (westbound) – Average speeds	51
Table 23: A40 Western Avenue (westbound) – Time spent stationary	52
Table 24: A40 Western Avenue (westbound) – Time spent >20mph	54
Table 25: Haven Green (clockwise) – Journey times	59
Table 26: Haven Green (clockwise) – Average speeds	60
Table 27: Haven Green (clockwise) – Time spent stationary	61
Table 28: Haven Green (clockwise) – Time spent >20mph	63
Table 29: The Mall (eastbound) – Journey times	
Table 30: The Mall (eastbound) – Average speeds	
Table 31: The Mall (eastbound) – Time spent stationary	66
Table 32: The Mall (eastbound) – Time spent >20mph	68
Table 33: The Mall (westbound) – Journey times	
Table 34: The Mall (westbound) – Average speeds	
Table 35: The Mall (westbound) – Time spent stationary	
Table 36: The Mall (westbound) – Time spent >20mph	
Table 37: Western Road, Southall (eastbound) – Journey times	
Table 38: Western Road, Southall (eastbound) – Average speeds	
Table 39: Western Road, Southall (eastbound) – Time spent stationary	
Table 40: Western Road, Southall (eastbound) – Time spent >20mph	
Table 41: Western Road, Southall (westbound) – Journey times	
Table 42: Western Road, Southall (westbound) – Average speeds	
Table 43: Western Road, Southall (westbound) – Time spent stationary	
Table 44: Western Road, Southall (westbound) – Time spent >20mph	

1. Acton High Street

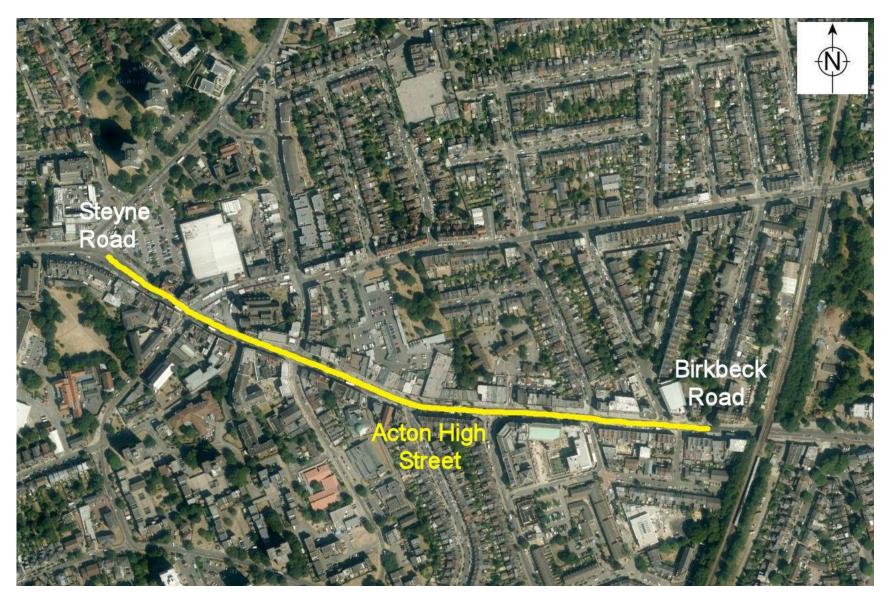


Figure 1: Acton High Street - Case study area



Figure 2: Acton High Street – Sections 'A' to 'E'



Figure 3: Acton High Street – Sections 'D' to 'H'

Acton High Street (eastbound)
Journey Time (seconds)

S	ection								
Run	Α	В	С	D	E	F	G	н	Total
1	24.0	14.6	30.7	13.1	33.0	13.4	13.1	1.7	143.6
2	16.8	53.9	18.3	17.1	31.7	15.4	16.4	2.7	172.3
3	20.0	41.0	19.4	24.8	31.8	22.9	18.6	1.2	179.7
4	12.9	46.5	12.5	26.5	12.2	13.8	12.1	1.4	137.9
5	46.7	23.3	15.3	20.7	30.4	17.6	12.1	1.3	167.4
6	28.5	37.2	20.9	62.0	18.1	34.1	14.8	1.4	217.0
7	25.9	26.5	17.3	13.6	15.4	22.6	43.1	1.9	166.3
8	13.7	37.4	11.0	22.9	12.6	23.2	32.3	1.6	154.7
9	26.6	15.7	18.8	20.0	25.7	14.1	17.3	1.7	139.9
10	51.4	13.8	11.6	38.9	26.5	19.2	11.5	1.2	174.1
11	10.8	11.5	13.5	13.9	11.9	11.5	10.7	1.3	85.1
12	63.7	21.8	14.2	14.9	37.8	16.7	10.7	1.3	181.1
13	73.6	21.6	18.5	11.7	38.7	19.6	17.4	2.2	203.3
14	11.2	30.0	21.8	22.1	25.9	29.0	14.6	1.6	156.2
15	28.0	17.5	38.1	32.8	26.1	15.2	14.0	1.6	173.3
16	19.3	18.3	39.8	13.9	42.0	16.7	15.1	1.4	166.5
17	13.4	38.4	13.6	13.4	34.7	22.6	12.6	1.3	150.0
18	18.9	43.4	11.7	10.7	36.9	14.5	15.5	1.8	153.4
19	21.1	36.1	15.2	20.7	36.7	12.4	11.2	1.1	154.5
20	29.0	36.3	15.9	17.3	33.8	17.3	12.2	1.3	163.1
21	22.8	30.9	29.6	10.9	11.0	15.4	16.6	2.2	139.4
22	77.1	35.7	30.5	21.7	39.6	18.1	12.3	1.4	236.4
23	10.0	11.7	36.1	21.0	28.6	17.9	13.1	1.3	139.7
24	49.4	42.4	17.6	10.7	11.4	14.4	12.5	1.4	159.8
25	39.5	18.4	22.5	13.2	38.2	17.3	11.9	1.2	162.2
26	54.5	13.4	42.0	11.3	20.8	12.4	12.0	1.2	167.6
27	10.6	11.6	16.5	72.3	34.6	13.6	12.7	1.3	173.2
28	58.0	15.9	26.5	12.0	37.5	12.9	18.8	2.0	183.6
29	69.2	30.7	17.4	30.9	27.1	19.4	11.6	1.3	207.6
30	32.3	20.7	14.0	11.0	20.7	16.2	12.6	1.2	128.7
Mean	32.6	27.2	21.0	21.5	27.7	17.6	15.3	1.5	164.6
Dist. (m)	100	100	100	100	100	100	100	12	712

Table 2: Acton High Street (eastbound) – Average speeds

Acton High Street (eastbound) Average speed (kph) Section										
Run	Α	В	С	D	E	F	G	н	Combined	
1	14	25	11	28	11	27	27	27	18	
2	19	7	20	21	11	23	22	16	15	
3	17	9	18	14	11	16	19	33	14	
4	25	8	29	14	30	26	30	33	18	
5	7	15	24	17	12	20	30	32	15	
6	12	10	17	6	20	11	24	31	12	
7	13	13	20	27	23	16	8	22	15	
8	25	10	33	16	29	16	11	26	17	
9	13	23	19	18	14	26	21	24	18	
10	7	26	31	10	14	19	31	36	15	
11	32	32	27	26	30	31	34	34	30	
12	6	16	24	24	10	21	34	35	14	
13	5	16	20	31	9	18	21	19	13	
14	31	12	17	16	14	12	25	27	16	
15	12	21	9	11	14	24	26	28	15	
16	17	20	9	26	9	22	24	33	15	
17	26	9	26	27	10	16	28	33	17	
18	19	8	30	34	10	25	23	23	17	
19	16	10	23	18	10	29	32	39	17	
20	12	10	22	21	11	21	29	34	16	
21	17	12	12	33	33	24	22	20	19	
22	4	10	11	17	10	20	30	31	11	
23	34	30	10	17	13	20	27	34	18	
24	7	9	20	34	32	25	29	32	16	
25	9	20	16	27	9	21	30	35	16	
26	6	27	9	31	17	29	30	35	15	
27	33	31	22	5	10	26	28	34	15	
28	6	24	13	30	10	28	19	22	14	
29	5	12	21	12	13	18	31	34		
30	11	17	26	33	17	22	29	36	20	
Combined	10	13	17	17	13	20	24	29	15	

Table 3: Acton High Street (eastbound) – Time spent stationary

Acton High Street (eastbound) Percentage (%) time spent stationary

	Section								
Run	Α	В	С	D	E	F	G	н	Combined
1	15%	0%	48%	0%	34%	0%	0%	0%	21%
2	0%	31%	0%	0%	31%	0%	0%	0%	15%
3	0%	36%	0%	10%	31%	0%	0%	0%	15%
4	0%	52%	0%	9%	0%	0%	0%	0%	19%
5	35%	0%	0%	0%	13%	0%	0%	0%	12%
6	27%	27%	0%	28%	0%	16%	0%	0%	19%
7	17%	30%	0%	0%	0%	0%	36%	0%	17%
8	0%	53%	0%	7%	0%	0%	17%	0%	18%
9	9%	0%	0%	0%	0%	0%	0%	0%	2%
10	28%	0%	0%	16%	9%	0%	0%	0%	13%
11		0%	0%	0%	0%	0%	0%	0%	0%
12	30%	8%	0%	0%	52%	0%	0%	0%	22%
13		9%	0%	0%	50%	2%	0%	0%	26%
14		42%	0%	17%	8%	19%	0%	0%	15%
15	37%	0%	29%	34%	1%	0%	0%	0%	19%
16	15%	0%	48%	0%	46%	0%	0%	0%	25%
17		49%	0%	0%	14%	0%	0%	0%	16%
18		51%	0%	0%	52%	0%	0%	0%	27%
19		24%	0%	0%	28%	0%	0%	0%	12%
20		45%	0%	0%	41%	0%	0%	0%	19%
21		34%	26%	0%	0%	0%	0%	0%	13%
22		0%	9%	0%	46%	0%	0%	0%	24%
23		0%	46%	0%	16%	0%	0%	0%	15%
24		55%	0%	0%	0%	0%	0%	0%	19%
25	12%	0%	0%	0%	31%	0%	0%	0%	10%
26		0%	49%	0%	13%	0%	0%	0%	26%
27	0%	0%	0%	49%	37%	0%	0%	0%	28%
28		0%	23%	0%	53%	0%	0%	0%	31%
29		27%	0%	35%	20%	0%	0%	0%	27%
30	36%	0%	0%	0%	19%	0%	0%	0%	12%
Combined	26%	27%	16%	14%	27%	2%	5%	0%	19%

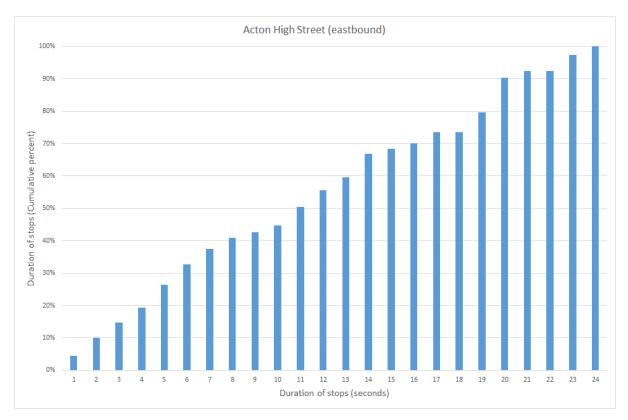


Figure 4: Acton High Street (eastbound) – Duration of stops

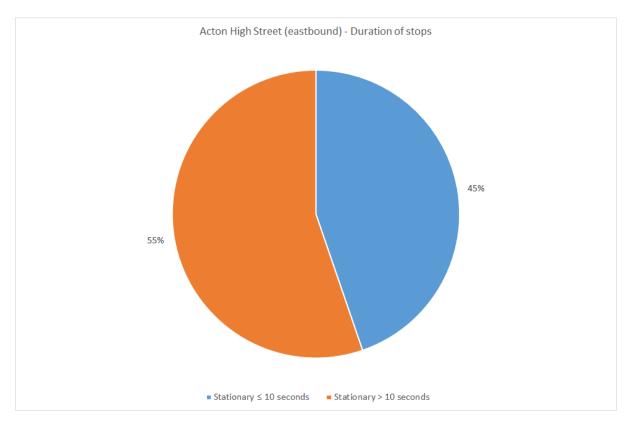


Figure 5: Acton High Street (eastbound) – Duration stationary > 10 seconds

Acton High Street (eastbound) Percentage (%) time spent >20mph (>32.2kph)

S	ection			,					
Run	Α	в	С	D	E	F	G	н	Combined
1	0%	0%	17%	32%	0%	0%	0%	0%	7%
2	0%	0%	0%	0%	0%	0%	0%	0%	0%
3	0%	0%	0%	0%	0%	0%	0%	83%	1%
4	6%	0%	29%	17%	2%	0%	21%	79%	9 %
5	0%	0%	0%	0%	0%	0%	1%	77%	1%
6	0%	0%	0%	0%	0%	0%	0%	0%	0%
7	0%	0%	0%	0%	0%	0%	0%	0%	0%
8	0%	6%	61%	0%	28%	0%	0%	0%	8%
9	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	0%	0%	52%	0%	0%	0%	25%	100%	6%
11	54%	35%	1%	0%	27%	42%	79%	100%	32 %
12	0%	0%	0%	0%	1%	0%	83%	100%	6 %
13	0%	0%	15%	44%	0%	0%	0%	0%	4%
14	53%	0%	0%	0%	0%	0%	0%	0%	4%
15	0%	0%	0%	0%	0%	0%	0%	0%	0%
16	0%	0%	0%	0%	0%	0%	1%	79%	1%
17	16%	0%	7%	0%	0%	0%	8%	100%	4%
18	0%	0%	21%	80%	9%	0%	0%	0%	9 %
19	0%	0%	0%	0%	16%	33%	56%	100%	11%
20	0%	0%	0%	0%	0%	0%	17%	100%	2%
21	0%	0%	1%	78%	100%	6%	0%	0%	15%
22	0%	0%	0%	0%	0%	0%	2%	7%	0%
23	86%	22%	0%	0%	0%	0%	4%	100%	9 %
24	0%	0%	19%	73%	38%	15%	2%	21%	11%
25	0%	0%	0%	0%	0%	0%	36%	100%	3%
26	0%	0%	0%	33%	9%	2%	17%	100%	5%
27	70%	47%	15%	0%	0%	11%	20%	100%	12%
28	0%	0%	0%	21%	6%	0%	0%	0%	3%
29	0%	0%	0%	0%	0%	0%	38%	100%	3%
30	0%	0%	0%	61%	4%	15%	33%	100%	12%
Combined	3%	2%	5%	8%	4%	3%	11%	43%	5%

Acton High Street (westbound)							
Journey Time (seconds)							
Section							

S	ection								
Run	Α	В	С	D	E	F	G	н	Total
1	57.8	25.3	14.7	29.7	22.9	35.7	31.3	2.8	220.2
2	29.9	100.1	36.6	70.2	126.1	26.2	11.2	1.5	401.8
3	31.9	64.9	103.8	49.2	43.6	40.2	23.1	1.6	358.3
4	23.5	11.7	10.5	26.4	13.4	37.0	12.5	1.5	136.5
5	86.5	21.4	38.7	24.4	24.6	25.2	29.0	1.9	251.7
6	52.2	191.1	162.9	20.6	219.9	176.1	99.4	4.0	926.2
7	102.6	136.7	146.8	31.2	102.9	134.9	105.3	7.8	768.2
8	58.2	30.6	14.4	17.3	22.5	37.3	11.5	1.5	193.3
9	14.6	58.6	32.9	28.0	13.9	50.2	45.1	2.8	246.1
10	NA	46.2	51.2	20.9	38.7	27.3	24.4	1.4	210.1
11	23.0	12.2	12.0	21.3	18.4	25.9	23.0	1.4	137.2
12	16.8	11.6	28.8	15.6	15.0	20.6	17.3	1.7	127.4
13	85.9	30.5	41.1	41.2	16.1	24.7	27.9	1.8	269.2
14	76.6	14.9	14.5	60.8	29.3	44.6	60.8	2.0	303.5
15	16.5	13.7	45.4	60.6	44.5	38.7	32.9	2.5	254.8
16	64.0	127.7	70.7	47.6	62.8	62.8	45.0	2.2	482.8
17	24.6	64.5	42.0	42.6	43.2	42.9	43.0	1.5	304.3
18	69.1	59.8	69.9	30.1	43.6	96.6	27.7	3.8	400.6
19	17.1	17.9	37.7	22.5	49.0	50.4	11.6	1.2	207.4
20	34.2	37.7	25.2	30.0	35.5	45.6	67.8	4.1	280.1
21	12.8	16.9	16.4	22.3	12.9	12.7	12.1	1.4	107.5
22	67.4	77.0	20.6	31.4	12.7	60.9	50.3	1.4	321.7
23	31.1	13.9	33.4	11.0	28.3	13.8	27.3	1.4	160.2
24	NA	70.4	37.2	122.3	59.9	15.5	16.5	1.8	323.6
25	14.4	41.0	12.0	21.8	23.1	13.8	13.8	1.8	141.7
26	21.0	78.0	50.5	64.1	54.1	13.8	12.8	1.5	295.8
27	68.6	59.1	16.4	61.5	66.1	25.5	17.5	1.6	316.3
28	12.4	32.8	22.3	48.3	47.8	14.0	17.4	1.6	196.6
29	30.8	20.5	12.4	19.8	12.6	24.8	24.0	1.6	146.5
30	26.8	24.9	13.2	30.9	17.9	55.9	12.6	1.5	183.7
Mean	41.8	50.4	41.1	37.5	44.0	43.1	31.8	2.2	289.1
Dist. (m)	100	100	100	100	100	100	100	12	712

Table 6: Acton High Street (westbound) – Average speeds

Acton High Street (westbound) Average speed (kph)									
	ed (kpn) Section								
Run	A	в	с	D	Е	F	G	н	Combined
1	6	13	24	12	16	10	12	16	11
2	12	4	10	5	3	14	32	30	6
3	11	6	3	7	8	9	16	27	7
4	16	31	34	14	27	10	29	30	19
5	4	17	9	15	15	14	13	23	10
6	7	2	2	18	2	2	4	11	3
7	3	3	2	12	4	3	3	6	3
8	6	12	25	21	16	10	31	30	13
9	25	6	11	13	26	7	8	16	10
10	NA	8	7	17	9	13	15	30	10
11	16	30	29	17	20	14	16	31	19
12	22	31	12	23	24	18	21	26	20
13	4	12	9	9	22	15	13	24	
14	5	25	25	6	12	8	6	22	8
15	22	26	8	6	8	9	11	18	
16	6	3	5	8	6	6	8	20	
17	14	6	9	9	8	8	8	28	
18	5	6	5	12	8	4	13	12	6
19	21	20	10	16	7	7	31	35	
20	10	10	14	12	10	8	5	11	9
21	28	23	21	16	28	28	30	31	24
22	5	4	20	12	28	6	7	33	
23	10	28	13	33	13	26	14	30	
24	NA	5	10	3	6	23	22	25	
25	25	9	30	16	16	26	26	24	18
26	17	5	7	6	7	26	28	31	
27	5	6	22	6	5	14	21	28	
28	29	9	18	7	8	26	21	28	
29	11	17	29	18	29	15	15	27	
30	14	14	27	12	20	6	29	30	
Combined	9	7	9	10	8	8	11	20	9

Table 7: Acton High Street (westbound) – Time spent stationary

Acton High Street (westbound) Percentage (%) time spent stationary

	Section								
Run	Α	В	С	D	E	F	G	н	Combined
1	34%	16%	0%	13%	0%	0%	0%	0%	12%
2	12%	56%	18%	54%	54%	0%	0%	0%	43%
3	11%	47%	50%	37%	23%	37%	0%	0%	36%
4	0%	0%	0%	35%	0%	46%	0%	0%	19%
5	42%	9%	56%	0%	6%	0%	13%	0%	26%
6	31%	60%	68%	0%	65%	63%	39%	0%	58%
7	50%	62%	70%	35%	64%	57%	46%	23%	58%
8	27%	15%	0%	0%	0%	51%	0%	0%	20%
9	0%	40%	30%	0%	0%	33%	34%	0%	27%
10	NA	45%	30%	0%	52%	1%	20%	0%	29 %
11	0%	0%	0%	0%	0%	0%	23%	0%	4%
12	0%	0%	36%	0%	0%	3%	0%	0%	9 %
13	41%	9%	47%	20%	0%	19%	32%	0%	29 %
14	28%	0%	0%	39%	10%	15%	39%	0%	26%
15	0%	0%	52%	46%	34%	27%	22%	0%	33%
16	35%	68%	54%	38%	25%	36%	2%	0%	43%
17	0%	48%	10%	31%	35%	46%	30%	0%	32%
18		32%	46%	17%	31%	48%	0%	0%	33%
19		0%	41%	0%	34%	55%	0%	0%	29%
20		21%	24%	30%	12%	49%	39%	0%	27%
21		0%	0%	0%	0%	0%	0%	0%	0%
22		66%	0%	37%	0%	50%	37%	0%	43%
23		0%	27%	0%	16%	0%	12%	0%	10%
24		47%	22%	50%	48%	0%	0%	0%	41%
25		55%	0%	10%	25%	0%	0%	0%	21%
26		61%	30%	40%	35%	0%	0%	0%	36%
27	37%	46%	0%	30%	46%	20%	0%	0%	34%
28		16%	0%	33%	38%	0%	0%	0%	20%
29		19%	0%	0%	0%	17%	17%	0%	9%
30	26%	17%	0%	33%	0%	61%	0%	0%	30%
Combined	26%	45%	41%	29%	38%	38%	23%	3%	35%

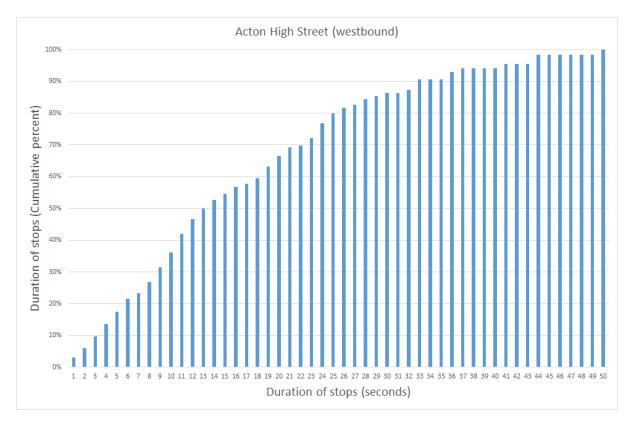


Figure 6: Acton High Street (westbound) – Duration of stops

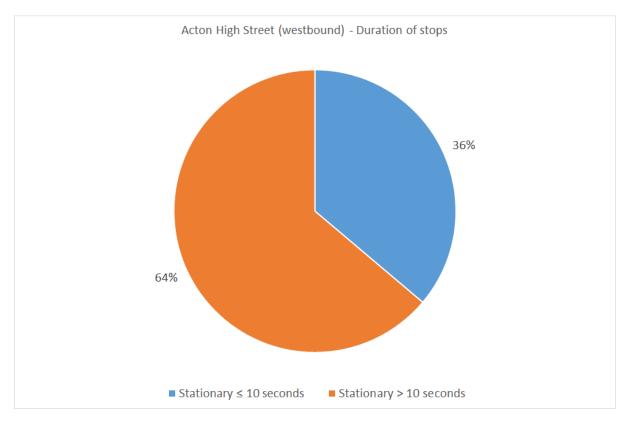


Figure 7: Acton High Street (westbound) – Duration stationary >10 seconds

Acton High Street (westbound) Percentage (%) time spent >20mph (>32.2kph)

s	ection								
Run	Α	в	с	D	E	F	G	н	Combined
1	0%	0%	0%	0%	0%	0%	0%	0%	0 %
2	0%	0%	0%	0%	0%	0%	71%	0%	2%
3	0%	0%	0%	0%	0%	0%	0%	0%	0%
4	0%	30%	100%	10%	0%	0%	7%	0%	13%
5	0%	0%	1%	4%	0%	0%	0%	0%	1%
6	0%	0%	0%	0%	0%	0%	0%	0%	0%
7	0%	0%	0%	0%	0%	0%	0%	0%	0%
8	0%	0%	0%	0%	0%	0%	61%	0%	4%
9	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	NA	0%	0%	0%	0%	0%	0%	0%	0%
11	4%	0%	8%	0%	0%	0%	20%	21%	5%
12	36%	34%	0%	0%	0%	1%	0%	0%	8%
13	0%	0%	0%	0%	0%	0%	0%	0%	0 %
14	0%	0%	0%	0%	1%	0%	0%	0%	0 %
15	0%	0%	0%	0%	0%	0%	0%	0%	0 %
16	0%	0%	0%	0%	0%	0%	0%	0%	0%
17	0%	0%	0%	0%	0%	0%	0%	0%	0%
18	0%	0%	0%	0%	0%	0%	0%	0%	0%
19	0%	0%	0%	0%	0%	0%	58%	100%	4%
20	0%	0%	0%	0%	0%	0%	0%	0%	0%
21	52%	4%	0%	0%	0%	0%	8%	21%	8%
22	0%	0%	0%	7%	34%	0%	1%	86%	3%
23	0%	0%	0%	61%	0%	0%	0%	0%	4%
24	NA	0%	0%	0%	0%	0%	0%	0%	0%
25	0%	0%	0%	0%	0%	0%	0%	0%	0%
26	0%	0%	0%	0%	0%	7%	0%	0%	0%
27	0%	0%	0%	0%	0%	0%	0%	0%	0%
28	31%	0%	0%	0%	0%	0%	0%	0%	2%
29	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	0%	0%	0%	0%	0%	0%	9%	0%	1%
Combined	1%	1%	1%	1%	0%	0%	3%	5%	1%

2. Horn Lane

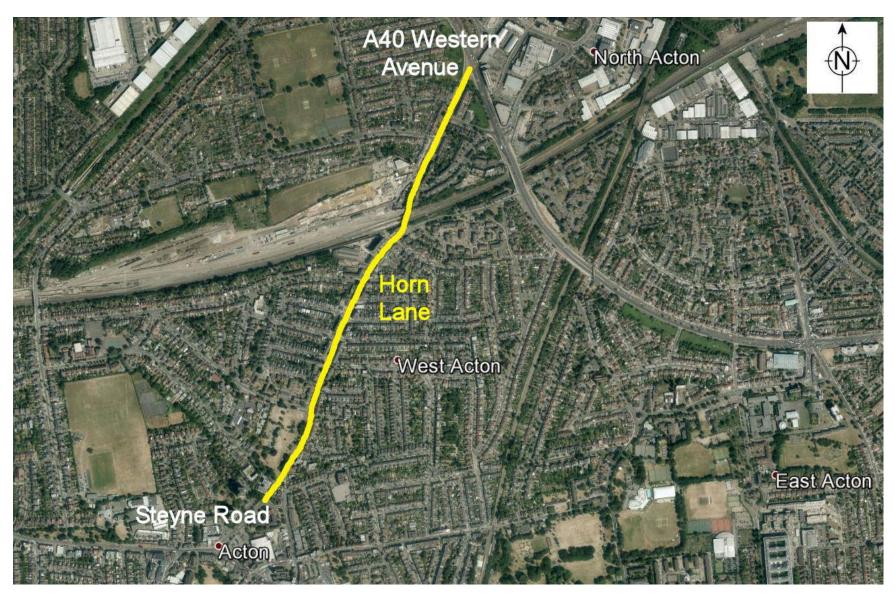


Figure 8: Horn Lane – Case study area



Figure 9: Horn Lane – Sections 'A' to 'D'



Figure 10: Horn Lane – Sections 'C' to 'H'

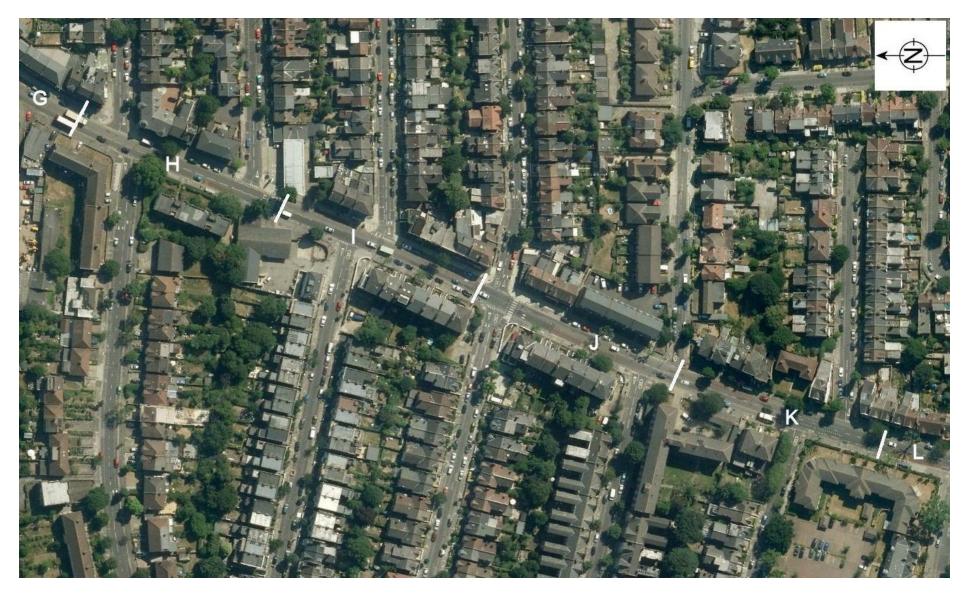


Figure 11: Horn Lane – Sections 'G' to 'L'



Figure 12: Horn Lane – Sections 'K' to 'O'

hen A B C D E F G H I J K L M N O 1 1403 142 150 149 218 548 208 201 10.6 10.0 10.9 10.8 11.6 10.6	1 1403 142 15.0 14.9 28.1 73.3 14.5 21.8 54.8 20.8 26.1 8.7 29.5 10.1 17.3 10.3 11.4 14.0 15.1 11.6 10.8 11.3 10.9 8.8 8.7 9.5 5 63.3 16.0 61.7 14.0 15.1 11.6 13.0 10.7 9.6 9.8 10.1 6 46.8 12.4 39.7 9.8 10.8 15.4 32.7 10.2 11.9 15.6 11.8 8.9 9.2 10.5 7 70.1 12.2 15.1 11.8 14.5 14.7 12.0 11.4 10.0 10.2 21.7 9.2 11.3 13.6 10 17.1 10.5 10.3 9.6 10.5 22.0 11.4 11.2 11.4 9.5 9.0 9.2 11.3 12 17.1 10.5 10.3 9.6 10.5 23.3 11.7 11.2 11.4 9.5 9.0 9.2 10.0 13.1	S	ection															
2 65.8 9.7 29.8 8.3 9.1 47.5 10.0 10.9 10.8 11.6 10.6 9.6 9.2 4.0 3 29.5 10.1 17.3 10.3 11.4 10.0 11.3 10.3 10.3 10.4 11.6 10.6 9.6 9.7 3.7 5 83.3 16.0 36.1 9.2 10.6 11.6 11.3 0.0 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11.7 11.8 9.7 10.1 11.7 18.5 37.9 15.1 16.0 15.5 11.9 9.9 NA NA 6.2 7 10.1 10.3 9.6 10.8 5.2.7 20.4 11.7 12.1 11.4 10.5 13.1 3.6 10.0 10.3 11.6 10.6 6.6 9.7 10.0 10.0 10.3 5.1 9.0 10.2 10.1 10	2 65.8 9.7 12.8 8.3 9.1 47.5 10.0 10.0 10.9 10.8 11.6 10.6 9.0 8.8 8.7 9.5 4 56.0 13.0 13.7 16.6 9.0 9.5 11.6 11.3 11.3 11.6 9.3 10.1 5 83.3 16.0 36.1 9.2 10.4 NA NA NA 30.6 11.8 8.9 9.2 10.5 6 46.8 12.4 39.7 30.8 10.8 11.7 18.5 37.9 15.1 15.0 11.0 10.2 21.7 9.2 11.3 10.3 9 30.0 15.3 29.0 28.2 14.0 28.5 35.9 21.7 13.2 41.3 24.2 24.4 11.3 10 17.1 10.5 10.3 9.6 28.3 11.7 12.1 13.6 16.6 10.7 13.3 14.5 10.3 19.4 <th>Run</th> <th>Α</th> <th>в</th> <th>С</th> <th>D</th> <th>E</th> <th>F</th> <th>G</th> <th>н</th> <th>1</th> <th>J</th> <th>к</th> <th>L</th> <th>м</th> <th>Ν</th> <th>0</th> <th></th>	Run	Α	в	С	D	E	F	G	н	1	J	к	L	м	Ν	0	
a 39.5 10.1 17.3 10.3 11.4 14.0 15.1 11.6 11.3 10.9 8.9 8.8 8.7 9.5 7.0 4 56.0 13.0 13.7 16.6 9.0 9.6 12.7 16.0 11.3 10.4 11.6 9.4 9.7 7.0 5 83.3 16.0 35.1 10.1 11.7 18.5 37.9 15.1 16.0 15.5 11.8 8.9 9.2 10.5 11.3 6.6 7 70.1 12.2 13.1 11.8 14.5 37.9 15.1 16.0 15.5 11.8 8.9 9.2 11.3 16.6 9 30.0 15.3 20.0 28.2 14.0 11.3 14.7 11.1 11.5 12.1 14.3 10.3 11.3 14.3 10.3 11.3 14.3 10.7 13.1 9.4 10.3 11.3 14.3 10.7 13.1 9.4 <th< td=""><td>3 29.5 10.1 17.3 10.3 11.4 14.0 15.1 11.6 11.3 10.9 8.9 8.8 8.7 9.5 4 56 13.0 13.7 16.6 9.0 9.6 12.7 16.0 13.0 11.3 10.4 11.6 9.7 9.7 9.7 10.1 11.7 18.5 37.9 15.1 11.6 15.6 11.8 8.9 9.2 10.5 7 70.1 12.2 15.1 11.8 14.5 14.7 12.0 11.4 11.0 10.2 21.7 9.2 11.3 13.6 9 NA NA 8 34.7 15.3 20.9 28.2 14.0 28.5 35.9 21.7 13.2 14.3 24.2 34.4 11.3 13.6</td><td>1</td><td>140.3</td><td>14.2</td><td>15.0</td><td>14.9</td><td>28.1</td><td>73.3</td><td>14.5</td><td>21.8</td><td>54.8</td><td>20.8</td><td>26.1</td><td>8.7</td><td>8.6</td><td>9.0</td><td>4.2</td><td></td></th<>	3 29.5 10.1 17.3 10.3 11.4 14.0 15.1 11.6 11.3 10.9 8.9 8.8 8.7 9.5 4 56 13.0 13.7 16.6 9.0 9.6 12.7 16.0 13.0 11.3 10.4 11.6 9.7 9.7 9.7 10.1 11.7 18.5 37.9 15.1 11.6 15.6 11.8 8.9 9.2 10.5 7 70.1 12.2 15.1 11.8 14.5 14.7 12.0 11.4 11.0 10.2 21.7 9.2 11.3 13.6 9 NA NA 8 34.7 15.3 20.9 28.2 14.0 28.5 35.9 21.7 13.2 14.3 24.2 34.4 11.3 13.6	1	140.3	14.2	15.0	14.9	28.1	73.3	14.5	21.8	54.8	20.8	26.1	8.7	8.6	9.0	4.2	
4 56.0 13.0 13.7 16.6 9.0 9.6 12.7 16.0 13.0 11.3 10.4 11.6 9.4 9.7 3.7 5 83.3 16.0 36.1 9.2 10.4 NA NA NA 30.6 41.2 10.7 9.6 9.8 10.1 7.7 6 46.8 12.4 30.7 9.8 10.8 11.8 30.7 10.2 11.7 18.5 11.0 11.7 18.5 37.9 15.1 16.0 15.5 11.9 9.9 NA NA 62.2 9 30.0 15.3 20.0 28.2 14.0 28.5 35.9 11.7 13.2 11.4 9.5 9.0 9.2 9.7 4.0 10 17.1 10.5 13.1 10.2 10.7 11.6 30.7 19.8 18.0 17.8 37.1 9.5 8.2 8.4 8.3 17 10.7 15.3	4 560 13.0 13.7 166 9.0 9.6 12.7 16.0 13.0 11.3 10.4 11.6 9.4 9.7 5 83.3 160 36.1 9.2 10.4 NA NA NA NA 41.2 10.7 9.6 9.8 10.1 6 44.8 12.4 39.7 10.2 11.9 15.6 11.8 9.9 NA NA 7 70.1 12.2 15.1 10.1 11.7 18.5 37.9 15.1 10.4 11.0 10.2 27.7 13.3 9 30.0 15.3 29.0 28.2 14.0 28.5 35.9 21.7 13.4 14.4 9.5 9.0 9.2 9.7 11 20.4 11.2 15.4 8.9 10.1 54.1 27.9 13.5 15.8 16.0 17.8 17.1 18.8 10.5 13.1 9.4 10.3 12 11.7.3 13.9 10.9 13.3 12.5 11.8 10.5 10.0 10.9 <td>2</td> <td>65.8</td> <td>9.7</td> <td>29.8</td> <td>8.3</td> <td>9.1</td> <td>47.5</td> <td>10.0</td> <td>10.0</td> <td>10.9</td> <td>10.8</td> <td>11.6</td> <td>10.6</td> <td>9.6</td> <td>9.2</td> <td>4.0</td> <td></td>	2	65.8	9.7	29.8	8.3	9.1	47.5	10.0	10.0	10.9	10.8	11.6	10.6	9.6	9.2	4.0	
5 83.3 16.0 36.1 9.2 10.4 NA NA NA 30.6 41.2 10.7 9.6 9.8 10.1 7.4 6 46.8 12.4 39.7 9.8 10.1 11.7 85.5 37.9 15.1 16.0 15.5 11.8 8.9 9.2 10.3 6.2 8 34.7 11.3 36.9 12.1 11.8 14.5 14.7 12.0 11.4 10.1 12.2 13.3 6.7 9 30.0 15.3 10.3 9.6 10.8 52.7 20.4 11.7 12.1 11.4 9.5 9.0 9.2 9.7 4.0 11 10.4 10.7 10.1 54.1 27.7 13.6 17.8 37.1 9.0 9.2 9.7 4.0 12 11.7 13.2 13.0 17.3 13.0 17.3 13.0 17.3 13.0 17.3 13.0 17.3	5 83.3 16.0 36.1 9.2 10.4 NA NA NA 30.6 41.2 10.7 9.6 9.8 10.1 6 46.8 12.4 39.7 9.8 10.8 15.4 32.7 10.2 11.9 15.6 11.8 8.9 9.2 10.1 7 70.1 12.2 15.1 11.8 14.5 14.7 12.0 11.4 11.0 10.2 21.7 9.2 11.3 9 30.0 15.3 25.0 12.7 12.4 11.4 15.5 11.9 9.9 9.2 9.7 11 10.4 11.2 15.4 8.9 10.1 54.4 27.9 20.4 11.7 12.1 11.4 9.5 9.0 9.2 9.7 12 11.1 10.5 12.3 10.0 17.8 13.0 17.8 13.1 9.4 10.3 13 23.5 9.7 9.5 9.4 10.5 23.3 11.1 11.5 12.5 11.8 10.5 13.1 9.4 10.3<																	
6 46.8 12.4 39.7 9.8 10.8 15.4 32.7 10.2 11.9 15.6 11.8 8.9 9.2 10.5 11.3 7 70.1 12.2 15.1 10.1 11.7 18.5 37.9 15.1 16.0 11.4 11.0 12.7 9.2 10.3 6.7 9 30.0 15.3 29.0 28.2 14.0 28.5 25.9 21.7 13.2 14.1 24.3 24.4 11.3 13.6 7.0 10 17.1 15.3 9.0 19.2 14.1 27.9 17.2 13.6 16.6 22.6 14.0 11.6 8.7 4.0 11 20.4 11.2 13.6 16.0 17.1 18.0 13.3 12.5 11.8 37.1 9.5 8.2 8.4 37.0 13 23.5 9.7 9.5 12.6 15.5 13.3 12.5 11.8 8.9 8.6 8	6 46.8 12.4 39.7 9.8 10.8 15.4 32.7 10.2 11.9 15.6 11.8 8.9 9.2 10.5 7 70.1 12.2 15.1 10.1 11.7 18.5 37.9 15.1 10.0 15.5 11.9 9.9 NA NA 9 30.0 15.3 29.0 28.2 14.0 28.5 35.9 21.7 13.2 41.3 24.2 34.4 11.3 13.6 10 10.5 10.3 9.6 10.8 27.7 13.6 16.6 22.6 14.0 11.6 30.7 19.8 18.0 17.8 37.1 9.5 8.2 8.4 12 11.7.3 13.9 10.9 14.2 10.7 15.8 10.5 13.1 11.5 12.5 11.8 10.5 13.1 11.5 12.5 11.8 10.5 13.1 11.1 11.8 8.9 8.6 8.4 8.7 15 85.4 30.9 9.3 8.7 9.6 10.1 10.7 11.1																	
7 70.1 12.2 15.1 10.1 11.7 18.5 37.9 15.1 16.0 15.5 11.9 9.9 NA NA 6.2 8 34.7 11.3 36.9 12.1 11.8 14.5 14.7 12.0 11.4 10.0 10.2 21.7 9.2 11.3 6.7 9 30.0 15.3 29.0 28.2 14.0 28.5 35.9 21.7 13.2 41.3 24.2 34.4 11.3 13.6 7.0 10 17.1 10.5 10.3 9.6 10.8 52.7 20.4 11.7 11.4 11.4 9.5 9.0 9.2 9.7 4.0 11 15.3 19.9 19.4 10.5 29.3 11.1 11.5 12.5 11.2 12.6 6.6 9.7 13.0 19.2 15 85.4 30.9 9.3 8.7 9.6 28.0 12.0 10.4 11.1 11.8 8.9 8.6 8.4 8.7 3.7 16 107.1 13	7 70.1 12.2 15.1 10.1 11.7 18.5 37.9 15.1 16.0 15.5 11.9 9.9 NA NA 8 34.7 11.3 36.9 12.1 11.8 14.5 14.7 12.0 11.4 11.0 10.2 21.7 9.2 31.3 13.5 10 17.1 10.5 10.3 9.6 10.8 52.7 20.4 11.7 12.1 11.4 9.5 9.0 9.2 9.7 12 11.3 13.9 10.9 14.2 10.7 16.6 0.7 18.8 18.0 17.8 37.1 9.5 8.4 10.3 12.5 11.8 10.5 13.1 9.4 10.3 15 85.4 30.9 9.3 8.7 9.6 28.0 11.5 10.4 11.1 11.8 8.9 8.6 8.4 8.7 16 107.1 135.2 9.5 12.6 15.5 56.8 11.6 10.7 12.9 28.3 11.5 10.2 10.0 10.9 13.0																	
8 34.7 11.3 36.9 12.1 11.8 14.5 14.7 12.0 11.4 11.0 10.2 21.7 9.2 11.3 6.7 9 30.0 15.3 29.0 28.2 14.0 28.5 35.9 21.7 13.2 41.3 44.3 44.3 44.4 45.4 34.4 11.3 13.6 7.0 10 17.1 10.5 10.3 9.6 10.4 54.1 27.9 17.2 13.6 16.6 22.6 14.0 11.6 8.7 3.6 13 23.5 9.7 9.5 9.4 10.5 29.3 11.1 11.5 12.5 11.4 10.7 13.0 19.2 15 85.4 30.9 9.3 8.7 9.6 28.0 11.1 11.1 11.8 8.9 8.6 8.4 8.7 3.0 16 10.71 13.52 9.5 12.6 15.5 56.8 11.6 10.7	8 34.7 11.3 36.9 12.1 11.8 14.5 14.7 12.0 11.4 11.0 10.2 21.7 9.2 11.3 9 30.0 15.3 29.0 28.2 14.0 28.5 35.9 21.7 12.2 41.3 24.2 34.4 11.3 13.6 10 17.1 10.5 10.3 9.6 10.6 52.7 20.4 11.7 12.1 11.4 9.5 9.0 9.2 9.7 11 20.4 11.2 15.4 8.9 10.1 54.1 27.9 17.2 11.8 10.6 16.6 22.6 14.0 11.6 8.7 12 117.3 13.9 10.9 14.2 10.7 11.5 12.5 11.8 10.1 19.5 13.8 8.6 8.4 8.6 8.4 8.6 8.4 8.6 8.4 8.7 13.0 11.1 11.8 8.8 8.6 8.4 14.7 12.0 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 12.6																	
9 300 15.3 29.0 28.2 14.0 28.5 35.9 21.7 13.2 41.3 24.2 34.4 11.3 13.6 7.0 10 17.1 10.5 10.3 9.6 10.8 52.7 20.4 11.7 12.1 11.4 9.5 9.0 9.2 9.7 4.0 11 20.4 11.2 15.4 8.9 10.1 54.1 27.9 17.5 16.6 22.6 14.0 10.5 8.1 10.5 13.1 9.4 10.3 51.1 14 10.7 55.1 9.0 10.2 14.1 17.3 13.3 12.5 11.8 10.5 13.4 9.4 10.3 11.5 12.8 16.3 10.4 17.1 13.5 10.2 10.0 10.4 11.1 11.8 8.9 8.6 8.4 8.4 2.1 10.5 12.3 10.1 10.0 10.0 10.0 10.0 10.0 10.0 10.0	9 30.0 15.3 29.0 28.2 14.0 28.5 35.9 21.7 13.2 41.3 24.2 34.4 11.3 13.6 10 17.1 10.5 10.3 9.6 10.8 52.7 20.4 11.7 11.6 6.6 22.6 14.0 16.6 22.6 14.0 16.6 22.6 14.0 16.6 22.6 14.0 16.6 22.6 14.0 16.6 22.6 14.0 16.6 22.6 14.0 16.6 22.6 14.0 16.6 22.6 14.0 16.6 22.6 14.0 16.6 22.6 14.0 16.6 22.6 14.0 16.3 17.1 13.5 9.5 8.4 10.7 13.0 13.1 9.5 16.0 10.2 11.1 11.5 11.2 12.6 19.0 9.7 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 14.0 10.0 14.0 10.0 14.0 10.0 14.0 10.0 14.0 10.0 10.0 10.0 <td></td>																	
10 17.1 10.5 10.3 9.6 10.8 52.7 20.4 11.7 12.1 11.4 9.5 9.0 9.2 9.7 4.0 11 20.4 11.2 15.4 8.9 10.1 54.1 27.9 17.2 13.6 16.6 22.6 14.0 11.6 8.7 3.6 13 23.5 9.7 9.5 9.4 10.5 29.3 11.1 11.5 12.5 11.8 10.5 13.1 9.4 10.3 51.1 14 101.7 55.1 9.0 10.2 14.1 17.3 21.0 10.4 11.1 18.8 8.9 8.6 8.4 8.7 3.7 16 107.1 135.2 9.5 12.6 15.5 56.8 11.6 10.7 12.4 17.6 10.1 10.9 18.0 8.5 3.9 113 9.1 29.1 15.3 15.4 18.5 10.2 11.1 10.2 4	10 17.1 10.5 10.3 9.6 10.8 52.7 20.4 11.7 12.1 11.4 9.5 9.0 9.2 9.7 11 20.4 11.2 15.4 8.9 10.1 54.1 27.9 17.2 13.6 16.6 22.6 14.0 11.6 8.7 12 117.3 13.9 10.9 14.2 10.7 11.6 30.7 19.8 18.0 17.8 37.1 9.5 8.2 8.4 13 23.5 9.7 9.5 9.4 10.5 29.3 11.1 11.5 12.5 11.8 10.5 13.1 9.4 10.3 15 85.4 30.9 9.3 8.7 9.6 28.0 10.0 10.4 11.1 11.8 8.9 8.6 8.4 8.7 16 107.1 135.2 9.5 16.3 15.4 18.5 10.2 10.9 17.5 10.1 10.1 10.2 10.8 11.1 10.2 24.5 33.2 25.0 13.4 10.4 11.2																	
1120.411.215.48.910.154.127.917.213.616.622.614.011.68.73.612117.313.910.914.210.711.630.719.818.017.837.19.58.28.43.71323.59.79.59.410.523.311.111.512.511.211.610.513.19.410.35.114101.755.19.010.214.117.321.013.312.511.212.69.69.713.019.21588.430.99.38.79.628.012.010.411.111.88.98.68.48.73.716107.1135.29.512.615.55.811.610.712.928.311.510.210.010.010.612.810.88.53.91961.99.129.210.522.714.351.721.136.420.924.917.519.7 <td< td=""><td>11 20.4 11.2 15.4 8.9 10.1 54.1 27.9 17.2 13.6 16.6 22.6 14.0 11.6 8.7 12 117.3 13.9 10.9 14.2 10.7 11.6 30.7 19.8 10.7 8.7 9.5 8.2 8.4 13 23.5 9.7 9.5 9.4 10.5 22.0 11.3 12.5 11.8 10.5 13.6 9.6 9.7 13.0 15 85.4 30.9 9.3 8.7 9.6 28.0 11.0 10.1 11.8 8.9 8.6 8.4 8.7 16 10.71 13.5 9.5 12.6 15.5 56.8 11.6 10.7 12.9 28.3 11.5 10.2 10.0 10.9 12.5 10.5 11.9 11.0 10.9 10.0 12.9 10.8 8.7 11.9 10.9 12.9 12.9 12.9 12.9 12.9 12.9 12.9 11.0 10.0 12.9 12.9 12.9 11.9 11.9 11.9<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td<>	11 20.4 11.2 15.4 8.9 10.1 54.1 27.9 17.2 13.6 16.6 22.6 14.0 11.6 8.7 12 117.3 13.9 10.9 14.2 10.7 11.6 30.7 19.8 10.7 8.7 9.5 8.2 8.4 13 23.5 9.7 9.5 9.4 10.5 22.0 11.3 12.5 11.8 10.5 13.6 9.6 9.7 13.0 15 85.4 30.9 9.3 8.7 9.6 28.0 11.0 10.1 11.8 8.9 8.6 8.4 8.7 16 10.71 13.5 9.5 12.6 15.5 56.8 11.6 10.7 12.9 28.3 11.5 10.2 10.0 10.9 12.5 10.5 11.9 11.0 10.9 10.0 12.9 10.8 8.7 11.9 10.9 12.9 12.9 12.9 12.9 12.9 12.9 12.9 11.0 10.0 12.9 12.9 12.9 11.9 11.9 11.9 <td></td>																	
12117.313.910.914.210.711.630.719.818.017.837.19.58.28.43.71323.59.79.59.410.529.311.111.511.211.810.513.19.410.35.11410.755.19.010.214.117.321.013.312.511.810.513.19.410.35.11585.430.99.38.79.628.012.010.411.111.88.98.68.48.73.716107.1135.29.512.615.556.811.610.712.928.311.510.210.010.95.01711.3987.975.385.062.528.883.454.721.750.527.041.244.113.012.81824.39.516.315.418.510.210.917.512.417.610.110.918.08.53.91961.99.129.210.522.714.351.721.136.420.924.917.519.711.96.82112.8855.514.073.012.373.021.857.432.213.79.39.39.510.84.42273.013.346.020.920.517.844.017.232.3 </td <td>117.3 13.9 10.9 14.2 10.7 11.6 30.7 19.8 18.0 17.8 37.1 9.5 8.2 8.4 13 23.5 9.7 9.5 9.4 10.5 29.3 11.1 11.5 12.5 11.8 10.5 13.1 9.4 10.3 14 101.7 55.1 9.0 10.2 14.1 11.3 11.5 12.5 11.6 10.7 13.5 9.5 12.6 15.5 56.8 11.6 10.7 12.9 28.3 11.5 10.2 10.0 10.9 17 11.9 87.9 75.3 85.0 62.5 25.8 84.4 54.4 22.1 50.5 10.7 11.6 10.1 10.9 18.0 8.5 19 61.9 9.1 22.2 10.5 22.7 14.3 51.7 21.1 36.4 20.9 27.5 19.9 14.1 10.2 14.3 32.2 13.7 9.3 9.3 9.5 10.8 12 12.3 85.6 14.7 20.6 12</td> <td></td>	117.3 13.9 10.9 14.2 10.7 11.6 30.7 19.8 18.0 17.8 37.1 9.5 8.2 8.4 13 23.5 9.7 9.5 9.4 10.5 29.3 11.1 11.5 12.5 11.8 10.5 13.1 9.4 10.3 14 101.7 55.1 9.0 10.2 14.1 11.3 11.5 12.5 11.6 10.7 13.5 9.5 12.6 15.5 56.8 11.6 10.7 12.9 28.3 11.5 10.2 10.0 10.9 17 11.9 87.9 75.3 85.0 62.5 25.8 84.4 54.4 22.1 50.5 10.7 11.6 10.1 10.9 18.0 8.5 19 61.9 9.1 22.2 10.5 22.7 14.3 51.7 21.1 36.4 20.9 27.5 19.9 14.1 10.2 14.3 32.2 13.7 9.3 9.3 9.5 10.8 12 12.3 85.6 14.7 20.6 12																	
13 23.5 9.7 9.5 9.4 10.5 29.3 11.1 11.5 12.5 11.8 10.5 13.1 9.4 10.3 5.1 14 101.7 55.1 9.0 10.2 14.1 17.3 21.0 13.3 12.5 11.2 12.6 9.6 9.7 13.0 19.2 15 85.4 30.9 9.3 87.9 9.5.3 12.6 15.5 56.8 11.6 10.7 12.9 28.3 11.5 10.2 10.0 10.9 5.0 17 113.9 87.9 75.3 85.0 62.5 25.8 83.4 54.4 2.1 5.05 27.0 41.2 44.1 15.0 12.8 19 61.9 9.1 29.2 10.5 22.7 14.3 51.7 21.1 36.4 20.9 24.9 17.5 19.7 11.9 6.8 3.9 19 61.9 10.6 9.3 9.4 10.2 10.8 11.1 10.2 13.4 10.4 11.2 23.6 12 <td>13 23.5 9.7 9.5 9.4 10.5 29.3 11.1 11.5 12.5 11.8 10.5 9.1 9.4 10.3 14 101.7 55.1 9.0 10.2 14.1 17.3 21.0 13.3 12.5 11.2 11.2 9.6 9.6 9.7 13.0 15 85.4 30.9 9.3 8.7 9.6 28.0 12.0 10.4 11.1 11.8 8.9 8.6 8.4 8.7 16 107.1 135.2 9.5 12.6 15.5 56.8 16.6 10.7 12.4 50.5 27.0 41.2 44.1 135.0 18 24.3 9.5 16.3 15.4 18.5 10.2 10.9 17.1 13.6 40.0 24.9 24.9 17.5 19.4 10.4 11.1 10 16.9 10.6 9.3 9.4 10.2 10.8 11.1 10.2 24.5 33.2 25.0 13.4 10.4 11.2 11 12.8 58.5 14.0</td> <td></td>	13 23.5 9.7 9.5 9.4 10.5 29.3 11.1 11.5 12.5 11.8 10.5 9.1 9.4 10.3 14 101.7 55.1 9.0 10.2 14.1 17.3 21.0 13.3 12.5 11.2 11.2 9.6 9.6 9.7 13.0 15 85.4 30.9 9.3 8.7 9.6 28.0 12.0 10.4 11.1 11.8 8.9 8.6 8.4 8.7 16 107.1 135.2 9.5 12.6 15.5 56.8 16.6 10.7 12.4 50.5 27.0 41.2 44.1 135.0 18 24.3 9.5 16.3 15.4 18.5 10.2 10.9 17.1 13.6 40.0 24.9 24.9 17.5 19.4 10.4 11.1 10 16.9 10.6 9.3 9.4 10.2 10.8 11.1 10.2 24.5 33.2 25.0 13.4 10.4 11.2 11 12.8 58.5 14.0																	
14 101.7 55.1 9.0 10.2 14.1 17.3 21.0 13.3 12.5 11.2 12.6 9.6 9.7 13.0 19.2 15 85.4 30.9 9.3 8.7 9.6 28.0 12.0 10.4 11.1 11.8 8.9 8.6 8.4 8.7 3.7 16 107.1 135.2 9.5 12.6 15.5 56.8 11.6 10.7 12.9 28.3 11.5 10.2 10.9 15.5 52.0 27.0 41.1 15.0 12.8 18 24.3 9.5 16.3 15.4 18.5 10.2 10.9 17.5 12.4 17.6 10.1 10.9 18.0 8.5 3.9 19 61.9 10.6 9.3 9.4 10.2 10.8 11.1 10.2 24.5 33.2 25.0 13.4 10.4 11.2 23.6 12.1 12.3 8.5 14.0 73.0 12.8 57.7 32.3 44.2 36.1 32.3 14.3 9.6 4.4 <td>14 101.7 55.1 9.0 10.2 14.1 17.3 21.0 13.3 12.5 11.2 12.6 9.6 9.7 13.0 15 85.4 30.9 9.3 8.7 9.6 28.0 12.0 10.4 11.1 11.8 8.9 8.6 8.4 8.7 16 107.1 135.2 9.5 12.6 15.5 56.8 11.6 10.7 12.9 28.3 11.5 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 18.0 8.5 19 61.9 9.1 29.2 10.5 22.7 14.3 51.7 21.1 16.4 20.9 24.9 17.5 19.7 11.9 20 16.9 10.6 9.3 9.4 10.2 10.8 11.1 10.2 24.5 53.2 25.0 13.4 10.4 11.1 21 12.8 88.5 14.0 73.0 12.8 57.4 32.2 13.7 63.1 34.2 36.0 33.3 10.8 92.2 13.6</td> <td></td>	14 101.7 55.1 9.0 10.2 14.1 17.3 21.0 13.3 12.5 11.2 12.6 9.6 9.7 13.0 15 85.4 30.9 9.3 8.7 9.6 28.0 12.0 10.4 11.1 11.8 8.9 8.6 8.4 8.7 16 107.1 135.2 9.5 12.6 15.5 56.8 11.6 10.7 12.9 28.3 11.5 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 18.0 8.5 19 61.9 9.1 29.2 10.5 22.7 14.3 51.7 21.1 16.4 20.9 24.9 17.5 19.7 11.9 20 16.9 10.6 9.3 9.4 10.2 10.8 11.1 10.2 24.5 53.2 25.0 13.4 10.4 11.1 21 12.8 88.5 14.0 73.0 12.8 57.4 32.2 13.7 63.1 34.2 36.0 33.3 10.8 92.2 13.6																	
16 107.1 135.2 9.5 12.6 15.5 56.8 11.6 10.7 12.9 28.3 11.5 10.2 10.0 10.9 5.0 17 113.9 87.9 75.3 85.0 62.5 25.8 83.4 54.4 22.1 50.5 27.0 41.2 44.1 135.0 12.8 18 24.3 9.5 16.3 10.4 18.5 10.2 10.9 10.4 20.9 24.9 10.1 10.9 18.0 85.5 3.9 20 16.9 10.6 9.3 9.4 10.2 10.8 11.1 10.2 24.5 33.2 25.0 13.4 10.4 11.2 23.6 21 12.38 58.5 14.0 73.0 12.3 73.0 21.8 74.4 23.3 42.3 34.3 9.5 10.8 5.4 22 73.0 13.3 46.0 20.9 20.5 15.3 11.1 12.2 13.7 50.6 70.1 34.2 8.8 9.2 4.4 23 2	16 107.1 135.2 9.5 12.6 15.5 56.8 11.6 10.7 12.9 28.3 11.5 10.2 10.0 10.9 17 113.9 87.9 75.3 85.0 62.5 25.8 83.4 54.4 22.1 50.5 27.0 41.2 44.1 135.0 18 24.3 9.5 16.3 15.4 18.5 10.2 10.9 17.5 12.4 17.6 10.1 10.9 18.0 8.5 19 61.9 9.1 29.2 10.5 22.7 14.3 51.7 21.1 36.4 9.3 9.4 10.2 10.8 11.1 10.2 24.5 33.2 25.0 13.4 10.4 11.2 21 12.38 58.5 14.0 73.0 12.3 73.0 21.8 57.4 32.2 13.1 13.3 10.8 9.2 10.8 9.2 13.7 13.3 46.0 20.9 11.1 12.9 11.6 10.3 8.6 9.0 9.1 8.7 12.2 12.1 13.3																	
17 113.9 87.9 75.3 85.0 62.5 25.8 83.4 54.4 22.1 50.5 27.0 41.2 44.1 135.0 12.8 18 24.3 9.5 16.3 15.4 18.5 10.2 10.9 17.5 12.4 17.6 10.1 10.9 18.0 8.5 3.9 20 16.9 10.6 9.3 9.4 10.2 10.8 11.1 10.2 24.5 33.2 25.0 13.4 10.4 11.2 23.6 21 123.8 58.5 14.0 73.0 12.3 73.0 21.8 57.4 32.2 13.7 9.3 9.3 9.5 10.8 5.4 22 73.0 13.3 46.0 20.9 20.5 17.8 44.0 17.2 32.3 44.2 36.1 32.3 14.3 9.6 4.4 23 21.5 54.2 16.8 10.0 22.4 9.6 12.2 12.1 21.3 23.3 10.9 9.3 9.3 4.3 25 55.6 <td>17 113.9 87.9 75.3 85.0 62.5 25.8 83.4 54.4 22.1 50.5 27.0 41.2 44.1 135.0 18 24.3 9.5 16.3 15.4 18.5 10.2 10.9 77.5 12.4 17.6 10.1 10.9 18.0 8.5 19 61.9 9.1 29.2 10.5 22.7 14.3 51.7 21.1 36.4 20.9 24.9 17.5 19.7 11.9 20 16.9 10.6 9.3 9.4 10.2 10.8 57.4 32.2 13.7 9.3 9.3 9.5 10.8 21 123.8 58.5 14.0 73.0 12.3 73.0 13.7 10.3 46.0 17.2 32.3 44.2 36.1 32.3 14.3 9.6 23 21.5 54.2 16.8 19.0 15.3 11.1 12.9 11.6 10.3 86.7 9.1 87.9 24 35.6 17.7 88.0 16.0 19.1 10.1 9.</td> <td>15</td> <td>85.4</td> <td>30.9</td> <td>9.3</td> <td>8.7</td> <td>9.6</td> <td>28.0</td> <td>12.0</td> <td>10.4</td> <td>11.1</td> <td>11.8</td> <td>8.9</td> <td>8.6</td> <td>8.4</td> <td>8.7</td> <td>3.7</td> <td></td>	17 113.9 87.9 75.3 85.0 62.5 25.8 83.4 54.4 22.1 50.5 27.0 41.2 44.1 135.0 18 24.3 9.5 16.3 15.4 18.5 10.2 10.9 77.5 12.4 17.6 10.1 10.9 18.0 8.5 19 61.9 9.1 29.2 10.5 22.7 14.3 51.7 21.1 36.4 20.9 24.9 17.5 19.7 11.9 20 16.9 10.6 9.3 9.4 10.2 10.8 57.4 32.2 13.7 9.3 9.3 9.5 10.8 21 123.8 58.5 14.0 73.0 12.3 73.0 13.7 10.3 46.0 17.2 32.3 44.2 36.1 32.3 14.3 9.6 23 21.5 54.2 16.8 19.0 15.3 11.1 12.9 11.6 10.3 86.7 9.1 87.9 24 35.6 17.7 88.0 16.0 19.1 10.1 9.	15	85.4	30.9	9.3	8.7	9.6	28.0	12.0	10.4	11.1	11.8	8.9	8.6	8.4	8.7	3.7	
18 24.3 9.5 16.3 15.4 18.5 10.2 10.9 17.5 12.4 17.6 10.1 10.9 18.0 8.5 3.9 19 61.9 9.1 29.2 10.5 22.7 14.3 51.7 21.1 36.4 20.9 24.9 17.5 19.7 11.9 6.8 20 16.9 10.6 9.3 9.4 10.2 10.8 11.1 10.2 24.5 33.2 25.0 13.4 10.4 11.2 23.6 21 12.3 58.5 14.0 73.0 21.8 57.4 31.2 31.4 10.4 4.3 6.6 4.4 23 21.5 54.2 16.8 19.0 14.1 75.5 100.9 13.7 21.1 34.2 8.8 9.2 4.4 24 35.6 14.7 20.6 12.2 15.3 11.1 12.9 11.6 10.3 8.6 9.0 9.1 8.7 7.2 25 95.6 37.2 11.5 9.6 10.0 22.5	18 24.3 9.5 16.3 15.4 18.5 10.2 10.9 17.5 12.4 17.6 10.1 10.9 18.0 8.5 19 61.9 9.0 9.3 9.4 10.2 10.8 11.1 10.2 24.5 33.2 25.0 13.4 10.4 11.2 21 123.8 58.5 14.0 73.0 12.3 73.0 21.8 57.4 32.2 13.7 9.3 9.3 9.5 10.8 22 73.0 13.3 46.0 20.9 20.5 17.8 44.0 17.2 32.3 44.2 36.1 32.3 14.3 9.6 9.6 18.9 24 35.6 14.7 20.6 12.2 16.9 15.3 11.1 12.9 11.6 10.3 8.6 9.0 9.3 9.3 25 95.6 37.2 11.5 9.6 10.0 22.4 9.6 12.2 12.1 21.3 20.3 10.9 9.3 9.3 26 36.0 10.3 13.7 10.1	16	107.1	135.2	9.5	12.6	15.5	56.8	11.6	10.7	12.9	28.3	11.5	10.2	10.0	10.9	5.0	
19 61.9 9.1 29.2 10.5 22.7 14.3 51.7 21.1 36.4 20.9 24.9 17.5 19.7 11.9 6.8 20 16.9 10.6 9.3 9.4 10.2 10.8 11.1 10.2 24.5 33.2 25.0 13.4 10.4 11.2 23.6 21 123.8 58.5 14.0 73.0 12.3 73.0 21.8 57.4 32.2 13.7 9.3 9.3 9.5 10.8 5.4 22 73.0 13.3 46.0 20.5 17.8 44.0 17.2 32.3 44.2 36.4 9.0 9.1 8.9 4.4 24 35.6 14.7 20.6 12.2 16.9 15.3 11.1 12.9 11.6 10.3 8.6 9.0 9.1 8.9 4.0 25 95.6 37.2 11.5 9.6 10.0 22.4 9.6 12.2 12.1 21.3 23.3 10.9 9.3 4.3 26 36.0 10.3	19 61.9 9.1 29.2 10.5 22.7 14.3 51.7 21.1 36.4 20.9 24.9 17.5 19.7 11.9 20 16.9 10.6 9.3 9.4 10.2 10.8 11.1 10.2 24.5 33.2 25.0 13.4 10.4 11.2 21 123.8 58.5 14.0 73.0 12.3 73.0 21.8 57.4 32.2 13.7 9.3 9.3 9.5 10.8 22 73.0 13.3 46.0 20.9 20.5 17.8 40.9 17.7 32.3 44.2 36.6 9.0 9.1 8.9 24 35.6 14.7 20.6 12.2 16.9 15.3 11.1 12.9 11.6 10.3 8.6 9.0 9.1 8.9 25 95.6 37.2 11.5 9.6 10.0 22.4 9.6 12.2 12.1 21.3 23.3 10.9 9.3 9.3 26 36.0 10.3 13.7 10.1 12.8 53.6	17	113.9	87.9	75.3	85.0	62.5	25.8	83.4	54.4	22.1	50.5	27.0	41.2	44.1	135.0	12.8	
20 16.9 10.6 9.3 9.4 10.2 10.8 11.1 10.2 24.5 33.2 25.0 13.4 10.4 11.2 23.6 21 123.8 58.5 14.0 73.0 12.3 73.0 21.8 57.4 32.2 13.7 9.3 9.3 9.5 10.8 5.4 22 73.0 13.3 46.0 20.9 20.5 17.8 44.0 17.2 32.3 44.2 36.1 32.3 14.3 9.6 4.4 23 55.6 14.7 20.6 12.2 16.9 10.5 11.1 12.9 11.6 10.3 8.6 9.0 9.3 9.3 4.3 25 95.6 37.2 11.5 9.6 10.0 22.4 9.6 12.2 12.1 21.3 23.3 10.9 9.3 9.3 4.3 26 36.0 10.3 13.7 10.1 12.8 53.6 17.5 88.0 16.0 19.1 10.1 9.0 9.3 9.7 4.1 27	20 16.9 10.6 9.3 9.4 10.2 10.8 11.1 10.2 24.5 33.2 25.0 13.4 10.4 11.2 121 123.8 58.5 14.0 73.0 12.3 73.0 21.8 57.4 32.2 13.7 9.3 9.3 9.5 10.8 22 73.0 13.3 46.0 20.9 20.5 17.8 44.0 17.2 32.3 44.2 36.1 32.3 14.3 9.6 24 35.6 14.7 20.6 12.2 16.9 15.3 11.1 12.9 11.6 10.3 8.6 9.0 9.3 9.3 25 95.6 37.2 11.5 9.6 10.0 22.4 9.6 12.2 12.1 21.3 23.3 10.9 9.3 9.3 26 36.0 10.3 13.7 10.1 12.8 53.6 17.5 88.0 16.0 19.1 10.1 9.6 9.5 10.5 27 NA NA NA NA NA NA N	18	24.3	9.5	16.3	15.4	18.5	10.2	10.9	17.5	12.4	17.6	10.1	10.9	18.0	8.5	3.9	
21 123.8 58.5 14.0 73.0 12.3 73.0 21.8 57.4 32.2 13.7 9.3 9.3 9.5 10.8 5.4 22 73.0 13.3 46.0 20.9 20.5 17.8 44.0 17.2 32.3 44.2 36.1 32.3 14.3 9.6 4.4 23 21.5 54.2 16.8 19.0 14.1 75.5 100.9 13.7 21.7 50.6 70.1 34.2 8.8 9.2 4.4 24 35.6 14.7 20.6 12.2 16.9 15.3 11.1 12.9 11.6 10.3 8.6 9.0 9.3 4.3 25 36.0 10.3 13.7 10.1 12.8 53.6 17.5 88.0 16.0 19.1 10.1 9.6 9.5 10.5 7.2 26 36.0 10.3 13.7 10.1 12.8 53.6 17.5 88.0 16.0 19.1 10.1 19.3 9.7 4.1 28 67.5 12.2	21 123.8 58.5 14.0 73.0 12.3 73.0 21.8 57.4 32.2 13.7 9.3 9.3 9.5 10.8 22 73.0 13.3 46.0 20.9 20.5 17.8 44.0 17.2 32.3 44.2 36.1 32.3 14.3 9.6 23 21.5 54.2 16.8 19.0 14.1 75.5 100.9 13.7 21.7 50.6 70.1 34.2 8.8 9.2 24 35.6 14.7 20.6 12.2 16.9 15.3 11.1 12.9 11.6 10.3 8.6 9.0 9.1 8.9 25 95.6 37.2 11.5 9.6 10.0 22.4 9.6 12.2 12.1 21.3 10.1 10.1 9.3 9.3 9.3 9.3 26 36.0 10.3 13.7 10.1 12.8 58.6 17.8 8.0 19.1 10.1 10.1 9.3 9.7 28 67.5 12.2 9.7 10.6 55.2	19	61.9	9.1	29.2	10.5	22.7		51.7	21.1	36.4	20.9	24.9	17.5	19.7	11.9	6.8	
22 73.0 13.3 46.0 20.9 20.5 17.8 44.0 17.2 32.3 44.2 36.1 32.3 14.3 9.6 4.4 23 21.5 54.2 16.8 19.0 14.1 75.5 100.9 13.7 21.7 50.6 70.1 34.2 8.8 9.2 4.4 24 35.6 14.7 20.6 12.2 16.9 15.3 11.1 12.9 11.6 10.3 8.6 9.0 9.1 8.9 4.0 25 95.6 37.2 11.5 9.6 10.0 22.4 9.6 12.2 12.1 21.3 23.3 10.9 9.3 9.3 4.3 26 36.0 10.3 13.7 10.1 12.8 53.6 17.7 88.0 16.0 19.1 10.1 9.6 9.3 9.7 4.1 28 67.5 12.2 9.9 9.7 10.6 55.2 58.3 NA NA NA NA NA NA NA NA NA 14.3 11.1	22 73.0 13.3 46.0 20.9 20.5 17.8 44.0 17.2 32.3 44.2 36.1 32.3 14.3 9.6 23 21.5 54.2 16.8 19.0 14.1 75.5 100.9 13.7 21.7 50.6 70.1 34.2 8.8 9.2 24 35.6 14.7 20.6 12.2 16.9 15.3 11.1 12.9 11.6 10.3 8.6 9.0 9.1 8.9 25 95.6 37.2 11.5 9.6 10.0 22.4 9.6 12.2 11.1 11.1 12.3 23.3 10.9 9.3 9.3 26 36.0 10.3 13.7 10.1 12.8 53.6 17.5 88.0 16.0 19.1 10.1 9.0 9.3 9.7 28 67.5 12.2 9.9 9.7 10.6 55.2 58.3 NA NA NA NA NA NA NA NA NA 10.4 13.1 11.0 12.2 10.5 16.3<																	
23 21.5 54.2 16.8 19.0 14.1 75.5 100.9 13.7 21.7 50.6 70.1 34.2 8.8 9.2 4.4 24 35.6 14.7 20.6 12.2 16.9 15.3 11.1 12.9 11.6 10.3 8.6 9.0 9.1 8.9 4.0 25 95.6 37.2 11.5 9.6 10.0 22.4 9.6 12.2 12.1 21.3 23.3 10.9 9.3 9.3 4.3 26 36.0 10.3 13.7 10.1 12.8 53.6 17.5 88.0 16.0 19.1 10.1 9.6 9.5 10.5 7.2 27 NA NA <t< td=""><td>23 21.5 54.2 16.8 19.0 14.1 75.5 100.9 13.7 21.7 50.6 70.1 34.2 8.8 9.2 24 35.6 14.7 20.6 12.2 16.9 15.3 11.1 12.9 11.6 10.3 8.6 9.0 9.1 8.9 25 95.6 37.2 11.5 9.6 10.0 22.4 9.6 12.2 12.1 21.3 23.3 10.9 9.3 9.3 26 36.0 10.3 13.7 10.1 12.8 53.6 17.5 88.0 16.0 19.1 10.1 9.6 9.5 10.5 27 NA NA</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	23 21.5 54.2 16.8 19.0 14.1 75.5 100.9 13.7 21.7 50.6 70.1 34.2 8.8 9.2 24 35.6 14.7 20.6 12.2 16.9 15.3 11.1 12.9 11.6 10.3 8.6 9.0 9.1 8.9 25 95.6 37.2 11.5 9.6 10.0 22.4 9.6 12.2 12.1 21.3 23.3 10.9 9.3 9.3 26 36.0 10.3 13.7 10.1 12.8 53.6 17.5 88.0 16.0 19.1 10.1 9.6 9.5 10.5 27 NA																	
24 35.6 14.7 20.6 12.2 16.9 15.3 11.1 12.9 11.6 10.3 8.6 9.0 9.1 8.9 4.0 25 95.6 37.2 11.5 9.6 10.0 22.4 9.6 12.2 12.1 21.3 23.3 10.9 9.3 9.3 4.3 26 36.0 10.3 13.7 10.1 12.8 53.6 17.5 88.0 16.0 19.1 10.1 9.6 9.5 10.5 7.2 27 NA	24 35.6 14.7 20.6 12.2 16.9 15.3 11.1 12.9 11.6 10.3 8.6 9.0 9.1 8.9 25 95.6 37.2 11.5 9.6 10.0 22.4 9.6 12.2 12.1 21.3 23.3 10.9 9.3 9.3 26 36.0 10.3 13.7 10.1 12.8 53.6 17.5 88.0 16.0 19.1 10.1 9.6 9.5 10.5 27 NA																	
25 95.6 37.2 11.5 9.6 10.0 22.4 9.6 12.2 12.1 21.3 23.3 10.9 9.3 9.3 4.3 26 36.0 10.3 13.7 10.1 12.8 53.6 17.5 88.0 16.0 19.1 10.1 9.6 9.5 10.5 7.2 27 NA NA <td< td=""><td>25 95.6 37.2 11.5 9.6 10.0 22.4 9.6 12.2 12.1 21.3 23.3 10.9 9.3 9.3 26 36.0 10.3 13.7 10.1 12.8 53.6 17.5 88.0 16.0 19.1 10.1 9.6 9.5 10.5 27 NA NA NA NA NA NA NA NA NA 34.8 41.4 11.1 9.3 9.7 28 67.5 12.2 9.9 9.7 10.6 55.2 58.3 NA <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<></td></td<>	25 95.6 37.2 11.5 9.6 10.0 22.4 9.6 12.2 12.1 21.3 23.3 10.9 9.3 9.3 26 36.0 10.3 13.7 10.1 12.8 53.6 17.5 88.0 16.0 19.1 10.1 9.6 9.5 10.5 27 NA NA NA NA NA NA NA NA NA 34.8 41.4 11.1 9.3 9.7 28 67.5 12.2 9.9 9.7 10.6 55.2 58.3 NA NA <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>																	
26 36.0 10.3 13.7 10.1 12.8 53.6 17.5 88.0 16.0 19.1 10.1 9.6 9.5 10.5 7.2 27 NA 34.8 41.4 11.1 9.3 9.7 4.1 28 67.5 12.2 9.9 9.7 10.6 55.2 58.3 NA NA<	26 36.0 10.3 13.7 10.1 12.8 53.6 17.5 88.0 16.0 19.1 10.1 9.6 9.5 10.5 27 NA																	
27 NA NA <td< td=""><td>27 NA <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<></td></td<>	27 NA NA <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>																	
28 67.5 12.2 9.9 9.7 10.6 55.2 58.3 NA NA <td>28 67.5 12.2 9.9 9.7 10.6 55.2 58.3 NA NA<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	28 67.5 12.2 9.9 9.7 10.6 55.2 58.3 NA NA <td></td>																	
29 79.9 10.4 22.7 9.3 15.5 21.9 14.8 11.2 11.0 10.2 9.0 8.9 8.8 9.8 5.2 30 163.4 12.2 9.7 12.9 17.0 54.0 15.8 11.1 11.7 11.6 9.0 9.0 9.1 9.7 4.5 31 75.0 23.2 54.7 19.4 14.7 10.9 15.3 19.1 24.5 14.0 9.5 8.9 9.0 8.9 3.9 32 121.5 11.6 18.1 9.1 10.4 53.1 15.6 13.4 11.9 11.8 11.3 11.0 12.4 13.3 7.9 33 79.0 31.2 30.4 16.0 26.0 44.1 12.7 12.2 12.5 10.8 9.4 9.5 9.5 10.0 4.8 34 19.7 9.9 15.9 10.5 11.4 35.7 11.4 11.6 11.5 10.4 9.8 10.0 9.3 10.7 5.2 35	29 79.9 10.4 22.7 9.3 15.5 21.9 14.8 11.2 11.0 10.2 9.0 8.9 8.8 9.8 30 163.4 12.2 9.7 12.9 17.0 54.0 15.8 11.1 11.7 11.6 9.0 9.0 9.1 9.7 31 75.0 23.2 54.7 19.4 14.7 10.9 15.3 19.1 24.5 14.0 9.5 8.9 9.0 8.9 32 121.5 11.6 18.1 9.1 10.4 53.1 15.6 13.4 11.9 11.8 11.3 11.0 12.4 13.3 33 79.0 31.2 30.4 16.0 26.0 44.1 12.7 12.2 12.5 10.8 9.4 9.5 9.5 10.0 34 19.7 9.9 15.9 10.5 11.4 35.7 11.4 11.6 11.5 10.4 9.8 10.0 9.3 10.7 35 62.0 9.7 9.2 10.7 46.8 10.4																	
31 75.0 23.2 54.7 19.4 14.7 10.9 15.3 19.1 24.5 14.0 9.5 8.9 9.0 8.9 3.9 32 121.5 11.6 18.1 9.1 10.4 53.1 15.6 13.4 11.9 11.8 11.3 11.0 12.4 13.3 7.9 33 79.0 31.2 30.4 16.0 26.0 44.1 12.7 12.2 12.5 10.8 9.4 9.5 9.5 10.0 4.8 34 19.7 9.9 15.9 10.5 11.4 35.7 11.4 11.6 11.5 10.4 9.8 10.0 9.3 10.7 5.2 35 62.0 9.7 9.2 9.2 10.7 46.8 10.4 13.8 23.9 9.6 10.3 9.1 10.8 4.7 36 105.7 50.2 10.2 10.0 9.4 12.8 9.8 10.4 11.8 11.2 9.8 9.5 9.1 10.2 4.4 37 103.0 <td< td=""><td>31 75.0 23.2 54.7 19.4 14.7 10.9 15.3 19.1 24.5 14.0 9.5 8.9 9.0 8.9 32 121.5 11.6 18.1 9.1 10.4 53.1 15.6 13.4 11.9 11.8 11.3 11.0 12.4 13.3 33 79.0 31.2 30.4 16.0 26.0 44.1 12.7 12.2 12.5 10.8 9.4 9.5 9.5 10.0 34 19.7 9.9 15.9 10.5 11.4 35.7 11.4 11.6 11.5 10.4 9.8 10.0 9.3 10.7 35 62.0 9.7 9.2 9.2 10.7 46.8 10.4 13.8 23.9 9.6 10.3 9.1 10.8 36 105.7 50.2 10.2 10.0 9.4 12.8 9.8 10.4 11.8 11.2 9.8 9.5 9.1 10.2 37 103.0 9.3 14.1 9.7 15.6 13.6 13.8</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	31 75.0 23.2 54.7 19.4 14.7 10.9 15.3 19.1 24.5 14.0 9.5 8.9 9.0 8.9 32 121.5 11.6 18.1 9.1 10.4 53.1 15.6 13.4 11.9 11.8 11.3 11.0 12.4 13.3 33 79.0 31.2 30.4 16.0 26.0 44.1 12.7 12.2 12.5 10.8 9.4 9.5 9.5 10.0 34 19.7 9.9 15.9 10.5 11.4 35.7 11.4 11.6 11.5 10.4 9.8 10.0 9.3 10.7 35 62.0 9.7 9.2 9.2 10.7 46.8 10.4 13.8 23.9 9.6 10.3 9.1 10.8 36 105.7 50.2 10.2 10.0 9.4 12.8 9.8 10.4 11.8 11.2 9.8 9.5 9.1 10.2 37 103.0 9.3 14.1 9.7 15.6 13.6 13.8																	
32 121.5 11.6 18.1 9.1 10.4 53.1 15.6 13.4 11.9 11.8 11.3 11.0 12.4 13.3 7.9 33 79.0 31.2 30.4 16.0 26.0 44.1 12.7 12.2 12.5 10.8 9.4 9.5 9.5 10.0 4.8 34 19.7 9.9 15.9 10.5 11.4 35.7 11.4 11.6 11.5 10.4 9.8 10.0 9.3 10.7 5.2 35 62.0 9.7 9.2 9.2 10.7 46.8 10.8 10.4 13.8 23.9 9.6 10.3 9.1 10.8 4.7 36 105.7 50.2 10.2 10.0 9.4 12.8 9.8 10.4 11.8 11.2 9.8 9.5 9.1 10.2 4.4 37 103.0 9.3 14.1 9.7 11.3 42.1 13.7 11.1 11.8 22.0 11.2 10.4 11.5 10.4 4.2 38 <	32 121.5 11.6 18.1 9.1 10.4 53.1 15.6 13.4 11.9 11.8 11.3 11.0 12.4 13.3 33 79.0 31.2 30.4 16.0 26.0 44.1 12.7 12.2 12.5 10.8 9.4 9.5 9.5 10.0 34 19.7 9.9 15.9 10.5 11.4 35.7 11.4 11.6 11.5 10.4 9.8 10.0 9.3 10.7 35 62.0 9.7 9.2 9.2 10.7 46.8 10.8 10.4 13.8 23.9 9.6 10.3 9.1 10.8 36 105.7 50.2 10.2 10.0 9.4 12.8 9.8 10.4 11.8 11.2 9.8 9.5 9.1 10.2 37 103.0 9.3 14.1 9.7 11.3 42.1 13.7 11.1 11.8 22.0 11.2 10.4 11.5 10.4 38 92.6 10.7 9.9 10.1 12.4 12.7																	
33 79.0 31.2 30.4 16.0 26.0 44.1 12.7 12.2 12.5 10.8 9.4 9.5 9.5 10.0 4.8 34 19.7 9.9 15.9 10.5 11.4 35.7 11.4 11.6 11.5 10.4 9.8 10.0 9.3 10.7 5.2 35 62.0 9.7 9.2 9.2 10.7 46.8 10.8 10.4 13.8 23.9 9.6 10.3 9.1 10.8 4.7 36 105.7 50.2 10.2 10.0 9.4 12.8 9.8 10.4 11.8 11.2 9.8 9.5 9.1 10.2 4.4 37 103.0 9.3 14.1 9.7 11.3 42.1 13.7 11.1 11.8 22.0 11.2 10.4 11.5 10.4 4.2 38 92.6 10.7 9.9 10.1 12.4 12.6 79.7 14.0 12.1 9.3 9.1 8.9 9.2 4.2 39 48.6 11	33 79.0 31.2 30.4 16.0 26.0 44.1 12.7 12.2 12.5 10.8 9.4 9.5 9.5 10.0 34 19.7 9.9 15.9 10.5 11.4 35.7 11.4 11.6 11.5 10.4 9.8 10.0 9.3 10.7 35 62.0 9.7 9.2 9.2 10.7 46.8 10.8 10.4 13.8 23.9 9.6 10.3 9.1 10.8 36 105.7 50.2 10.2 10.0 9.4 12.8 9.8 10.4 11.8 11.2 9.8 9.5 9.1 10.2 37 103.0 9.3 14.1 9.7 11.3 42.1 13.7 11.1 11.8 22.0 11.2 10.4 11.5 10.4 38 92.6 10.7 9.9 10.1 12.4 12.7 15.6 13.6 13.8 11.7 9.3 9.1 8.9 9.2 39 48.6 11.3 22.8 10.7 11.7 12.4	31	75.0	23.2	54.7	19.4	14.7	10.9	15.3	19.1	24.5	14.0	9.5	8.9	9.0	8.9	3.9	
34 19.7 9.9 15.9 10.5 11.4 35.7 11.4 11.6 11.5 10.4 9.8 10.0 9.3 10.7 5.2 35 62.0 9.7 9.2 9.2 10.7 46.8 10.8 10.4 13.8 23.9 9.6 10.3 9.1 10.8 4.7 36 105.7 50.2 10.2 10.0 9.4 12.8 9.8 10.4 11.8 11.2 9.8 9.5 9.1 10.2 4.4 37 103.0 9.3 14.1 9.7 11.3 42.1 13.7 11.1 11.8 22.0 11.2 10.4 11.5 10.4 4.2 38 92.6 10.7 9.9 10.1 12.4 12.7 15.6 13.6 13.8 11.7 9.3 9.1 8.9 9.2 4.2 39 48.6 11.3 22.8 10.7 11.7 12.4 20.6 79.7 14.0 12.1 9.3 9.5 8.5 8.6 4.0 40 82.	34 19.7 9.9 15.9 10.5 11.4 35.7 11.4 11.6 11.5 10.4 9.8 10.0 9.3 10.7 35 62.0 9.7 9.2 9.2 10.7 46.8 10.8 10.4 13.8 23.9 9.6 10.3 9.1 10.8 36 105.7 50.2 10.2 10.0 9.4 12.8 9.8 10.4 11.8 11.2 9.8 9.5 9.1 10.2 37 103.0 9.3 14.1 9.7 11.3 42.1 13.7 11.1 11.8 22.0 11.2 10.4 11.5 10.4 38 92.6 10.7 9.9 10.1 12.4 12.7 15.6 13.6 13.8 11.7 9.3 9.1 8.9 9.2 39 48.6 11.3 22.8 10.7 11.7 12.4 20.6 79.7 14.0 12.1 9.3 9.5 8.5 8.6 40 82.2 10.9 12.4 10.0 10.9 25.8 <	32	121.5	11.6	18.1	9.1	10.4	53.1	15.6	13.4	11.9	11.8	11.3	11.0	12.4	13.3	7.9	
35 62.0 9.7 9.2 9.2 10.7 46.8 10.8 10.4 13.8 23.9 9.6 10.3 9.1 10.8 4.7 36 105.7 50.2 10.2 10.0 9.4 12.8 9.8 10.4 11.8 11.2 9.8 9.5 9.1 10.2 4.4 37 103.0 9.3 14.1 9.7 11.3 42.1 13.7 11.1 11.8 22.0 11.2 10.4 11.5 10.4 4.2 38 92.6 10.7 9.9 10.1 12.4 12.7 15.6 13.6 13.8 11.7 9.3 9.1 8.9 9.2 4.2 39 48.6 11.3 22.8 10.7 11.7 12.4 20.6 79.7 14.0 12.1 9.3 9.5 8.5 8.6 4.0 40 82.2 10.9 12.4 10.0 10.9 25.8 12.0 14.3 21.1 27.8 28.6 10.2 9.2 9.2 4.1 <td>35 62.0 9.7 9.2 9.2 10.7 46.8 10.8 10.4 13.8 23.9 9.6 10.3 9.1 10.8 36 105.7 50.2 10.2 10.0 9.4 12.8 9.8 10.4 11.8 11.2 9.8 9.5 9.1 10.2 37 103.0 9.3 14.1 9.7 11.3 42.1 13.7 11.1 11.8 22.0 11.2 10.4 11.5 10.4 38 92.6 10.7 9.9 10.1 12.4 12.7 15.6 13.6 13.8 11.7 9.3 9.1 8.9 9.2 39 48.6 11.3 22.8 10.7 11.7 12.4 20.6 79.7 14.0 12.1 9.3 9.5 8.5 8.6 40 82.2 10.9 12.4 10.0 10.9 25.8 12.0 14.3 21.1 27.8 28.6 10.2 9.2 9.2</td> <td>33</td> <td>79.0</td> <td>31.2</td> <td>30.4</td> <td>16.0</td> <td>26.0</td> <td>44.1</td> <td>12.7</td> <td>12.2</td> <td>12.5</td> <td>10.8</td> <td>9.4</td> <td>9.5</td> <td>9.5</td> <td>10.0</td> <td>4.8</td> <td></td>	35 62.0 9.7 9.2 9.2 10.7 46.8 10.8 10.4 13.8 23.9 9.6 10.3 9.1 10.8 36 105.7 50.2 10.2 10.0 9.4 12.8 9.8 10.4 11.8 11.2 9.8 9.5 9.1 10.2 37 103.0 9.3 14.1 9.7 11.3 42.1 13.7 11.1 11.8 22.0 11.2 10.4 11.5 10.4 38 92.6 10.7 9.9 10.1 12.4 12.7 15.6 13.6 13.8 11.7 9.3 9.1 8.9 9.2 39 48.6 11.3 22.8 10.7 11.7 12.4 20.6 79.7 14.0 12.1 9.3 9.5 8.5 8.6 40 82.2 10.9 12.4 10.0 10.9 25.8 12.0 14.3 21.1 27.8 28.6 10.2 9.2 9.2	33	79.0	31.2	30.4	16.0	26.0	44.1	12.7	12.2	12.5	10.8	9.4	9.5	9.5	10.0	4.8	
36 105.7 50.2 10.2 10.0 9.4 12.8 9.8 10.4 11.8 11.2 9.8 9.5 9.1 10.2 4.4 37 103.0 9.3 14.1 9.7 11.3 42.1 13.7 11.1 11.8 22.0 11.2 10.4 11.5 10.4 4.2 38 92.6 10.7 9.9 10.1 12.4 12.7 15.6 13.6 13.8 11.7 9.3 9.1 8.9 9.2 4.2 39 48.6 11.3 22.8 10.7 11.7 12.4 20.6 79.7 14.0 12.1 9.3 9.5 8.5 8.6 4.0 40 82.2 10.9 12.4 10.0 10.9 25.8 12.0 14.3 21.1 27.8 28.6 10.2 9.2 9.2 4.1	36 105.7 50.2 10.2 10.0 9.4 12.8 9.8 10.4 11.8 11.2 9.8 9.5 9.1 10.2 37 103.0 9.3 14.1 9.7 11.3 42.1 13.7 11.1 11.8 22.0 11.2 10.4 11.5 10.4 38 92.6 10.7 9.9 10.1 12.4 12.7 15.6 13.6 13.8 11.7 9.3 9.1 8.9 9.2 39 48.6 11.3 22.8 10.7 11.7 12.4 20.6 79.7 14.0 12.1 9.3 9.5 8.5 8.6 40 82.2 10.9 12.4 10.0 10.9 25.8 12.0 14.3 21.1 27.8 28.6 10.2 9.2 9.2																	
37 103.0 9.3 14.1 9.7 11.3 42.1 13.7 11.1 11.8 22.0 11.2 10.4 11.5 10.4 4.2 38 92.6 10.7 9.9 10.1 12.4 12.7 15.6 13.6 13.8 11.7 9.3 9.1 8.9 9.2 4.2 39 48.6 11.3 22.8 10.7 11.7 12.4 20.6 79.7 14.0 12.1 9.3 9.5 8.5 8.6 4.0 40 82.2 10.9 12.4 10.0 10.9 25.8 12.0 14.3 21.1 27.8 28.6 10.2 9.2 9.2 4.1	37 103.0 9.3 14.1 9.7 11.3 42.1 13.7 11.1 11.8 22.0 11.2 10.4 11.5 10.4 38 92.6 10.7 9.9 10.1 12.4 12.7 15.6 13.6 13.8 11.7 9.3 9.1 8.9 9.2 39 48.6 11.3 22.8 10.7 11.7 12.4 20.6 79.7 14.0 12.1 9.3 9.5 8.5 8.6 40 82.2 10.9 12.4 10.0 10.9 25.8 12.0 14.3 21.1 27.8 28.6 10.2 9.2 9.2																	
38 92.6 10.7 9.9 10.1 12.4 12.7 15.6 13.6 13.8 11.7 9.3 9.1 8.9 9.2 4.2 39 48.6 11.3 22.8 10.7 11.7 12.4 20.6 79.7 14.0 12.1 9.3 9.5 8.5 8.6 4.0 40 82.2 10.9 12.4 10.0 10.9 25.8 12.0 14.3 21.1 27.8 28.6 10.2 9.2 9.2 4.1	38 92.6 10.7 9.9 10.1 12.4 12.7 15.6 13.6 13.8 11.7 9.3 9.1 8.9 9.2 39 48.6 11.3 22.8 10.7 11.7 12.4 20.6 79.7 14.0 12.1 9.3 9.5 8.5 8.6 40 82.2 10.9 12.4 10.0 10.9 25.8 12.0 14.3 21.1 27.8 28.6 10.2 9.2 9.2																	
39 48.6 11.3 22.8 10.7 11.7 12.4 20.6 79.7 14.0 12.1 9.3 9.5 8.5 8.6 4.0 40 82.2 10.9 12.4 10.0 10.9 25.8 12.0 14.3 21.1 27.8 28.6 10.2 9.2 9.2 4.1	39 48.611.322.810.711.712.420.679.714.012.19.39.58.58.6 40 82.210.912.410.010.925.812.014.321.127.828.610.29.29.2																	
40 82.2 10.9 12.4 10.0 10.9 25.8 12.0 14.3 21.1 27.8 28.6 10.2 9.2 9.2 4.1	40 82.2 10.9 12.4 10.0 10.9 25.8 12.0 14.3 21.1 27.8 28.6 10.2 9.2 9.2																	
IVIEdii 70.0 23.0 20.3 13.3 14.0 32.0 23.0 13.3 17.3 20.0 10.3 13.2 11.0 13.4 6.3	Wiedii 70.0 25.0 20.3 15.3 14.0 32.0 25.0 19.9 17.3 20.0 16.9 13.2 11.0 13.4																	
		iviean	70.0	23.0	20.5	15.5	14.6	32.0	23.0	19.9	17.5	20.0	10.9	13.2	11.0	13.4	0.3	\$

Table 9: Horn Lane (northbound) – Journey times

	tion	_		-	_	_	-		-							
Run	Α	В	С	D	E	F	G	Н	1	1	К	L	M	N		Combine
1	2	25	24	24	13	4	24	17	7	17	14	42	42	40	38	1
2	6	37	12	43	39	8	36	36	33	33	31	34	37	40	40	2
3	12 6	36	21	35	32	26 37	24	31	32	33	40	41	41	38	23	2
4		28	26	22 39	40	1000	28	22	28	32	35	31	38	37	43	2
5	4 8	23 29	10 9	39	35 33	NA 23	NA 11	NA 35	12 31	9	34	38 41	37 39	36 35	22 10	2
7	5	30	24	37	33	23	9	24	22	23	31 30	36	NA	NA	26	4
8	11		10	29	31	20	24	30	32	23 33	30	17			010000	
8 9	11	32 24	10	12	26	13	10	16	27	33 9	15	State .	39 32	32 27	24 23	2
10	22	35	35	37	33	5	10	31	30	31	38	11 40	32	38	40	2
11	18	32	23	40	35	7	13	21	27	22	16	26	31	42	40	2
12	3	26	33	26	34	31	13	18	20	20	10	38	44	42	44	1
13	15	37	37	38	34	14	32	31	29	31	34	28	38	36	32	2
14	4	7	40	35	25	21	17	27	29	32	28	38	37	28	8	1
15	4	12	39	42	37	13	29	34	32	31	40	42	42	42	43	2
16	3	3	38	28	23	6	31	33	28	13	31	36	36	34	32	1
17	3	4	5	4	6	14	4	7	17	7	14	9	8	3	13	Ī
18	15	38	22	23	19	35	33	20	29	20	36	33	20	43	41	2
19	6	39	12	34	16	25	7	17	10	17	14	21	19	31	23	1
20	22	34	39	38	35	34	32	35	15	11	14	27	35	33	7	2
21	3	6	26	5	29	5	16	6	11	26	39	39	38	34	30	1
22	5	27	8	17	18	20	8	21	11	8	10	11	25	38	36	1
23	16	7	21	19	26	5	3	26	17	7	5	11	40	40	36	1
24	11	24	17	28	21	24	32	28	32	35	42	40	41	41	41	2
25	4	10	31	37	36	16	37	30	30	17	16	33	39	40	38	1
26	10	35	26	35	28	7	20	4	23	19	36	38	38	35	22	1
27	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	9	32	38	38	39	
28	5	30	37	37	34	7	6	NA								
29	5	35	16	38	23	17	24	32	33	34	40	41	40	37	31	2
30	2	30	36	28	21	7	23	32	31	31	40	41	40	39	36	1
31	5	15	7	18	24	33	23	19	15	26	37	41	41	41	41	1
32	3	32	20	39	34	7	23	27	30	31	32	33	29	27	20	1
33	5	12	12	22	14	8	28	29	29	33	38	38	38	36	34	1
34	19	37	23	34	32	10	31	31	32	35	37	36	38	34	31	2
35	6	38	39	39	33	8	33	34	26	15	37	35	40	34	35	2
36	3	7	35	36	39	28	36	34	31	32	37	38	40	36	36	1
37	4	39	26	37	32	8	25	32	30	16	32	35	31	35	39	1
38	4	34	36	35	29	28	23	26	26	31	38	39	40	39	39	2
39	8	32	16	33	31	30	17	4	26	29	38	38	42	42	41	1
40	4	33	29	36	33	14	29	11	17	13	13	36	39	40	40	1

Table 10: Horn Lane (northbound) – Average speeds

Se	ection															
Run	Α	В	С	D	E	F	G	н	1	J	к	L	м	Ν	0 0	ombine
1	74%	0%	0%	0%	0%	64%	0%	0%	45%	0%	0%	0%	0%	0%	0%	399
2	72%	0%	39%	0%	0%	63%	0%	0%	0%	0%	0%	0%	0%	0%	0%	359
3	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	59
4	61%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	169
5	76%	0%	47%	0%	0%	NA	NA	NA	14%	23%	0%	0%	0%	0%	0%	
6	51%	0%	31%	0%	0%	0%	34%	0%	0%	0%	0%	0%	0%	0%	26%	209
7	74%	0%	0%	0%	0%	0%	24%	0%	0%	0%	0%	0%	NA	NA	0%	
8	50%	0%	9%	0%	0%	0%	0%	0%	0%	0%	0%	17%	0%	0%	0%	119
9	43%	0%	0%	16%	0%	7%	3%	0%	0%	19%	0%	26%	0%	0%	0%	119
10	0%	0%	0%	0%	0%	64%	0%	0%	0%	0%	0%	0%	0%	0%	0%	16%
11	10%	0%	0%	0%	0%	63%	14%	0%	0%	0%	0%	0%	0%	0%	0%	16%
12	82%	0%	0%	0%	0%	0%	21%	0%	0%	0%	0%	0%	0%	0%	0%	31%
13	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%
14	70%	50%	0%	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%	40%	33%
15	79%	34%	0%	0%	0%	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%
16	79%	60%	0%	0%	0%	64%	0%	0%	0%	16%	0%	0%	0%	0%	0%	46%
17	78%	65%	47%	52%	19%	0%	56%	21%	10%	24%	0%	31%	22%	64%	0%	46%
18	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13%	0%	0%	4%
19	73%	0%	22%	0%	16%	0%	39%	0%	0%	0%	0%	0%	0%	0%	0%	21%
20	0%	0%	0%	0%	0%	0%	0%	0%	5%	1%	0%	0%	0%	0%	42%	5%
21	83%	58%	0%	61%	0%	61%	0%	26%	0%	0%	0%	0%	0%	0%	0%	46%
22	74%	0%	24%	7%	0%	0%	37%	0%	32%	15%	18%	0%	0%	0%	0%	25%
23	0%	45%	0%	0%	0%	45%	60%	0%	0%	10%	42%	47%	0%	0%	0%	33%
24	44%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%
25	80%	46%	0%	0%	0%	21%	0%	0%	0%	14%	23%	0%	0%	0%	0%	36%
26	47%	0%	0%	0%	0%	60%	0%	31%	0%	0%	0%	0%	0%	0%	0%	24%
27	NA	NA	NA	NA	NA	NA	NA	NA	NA	29%	3%	0%	0%	0%	0%	
28	72%	0%	0%	0%	0%	59%	49%	NA								
29	77%	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%
30	82%	0%	0%	0%	0%	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	46%
31	71%	0%	28%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	22%
32	81%	0%	10%	0%	0%	63%	0%	0%	0%	0%	0%	0%	0%	0%	0%	40%
33	76%	2%	13%	0%	32%	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%
34	0%	0%	0%	0%	0%	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%
35	70%	0%	0%	0%	0%	56%	0%	0%	0%	28%	0%	0%	0%	0%	0%	30%
36	73%	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	379
37	81%	0%	0%	0%	0%	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%
38	81%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	319
39	48%	0%	10%	0%	0%	0%	0%	39%	0%	0%	0%	0%	0%	0%	0%	209
40	78%	0%	0%	0%	0%	30%	0%	34%	0%	0%	0%	0%	0%	0%	0%	27%
ned	70%	31%	16%	16%	4%	41%	23%	12%	7%	8%	6%	8%	3%	17%	9%	29%

Table 11: Horn Lane (northbound) – Time spent stationary

Horn Lane (northbound)

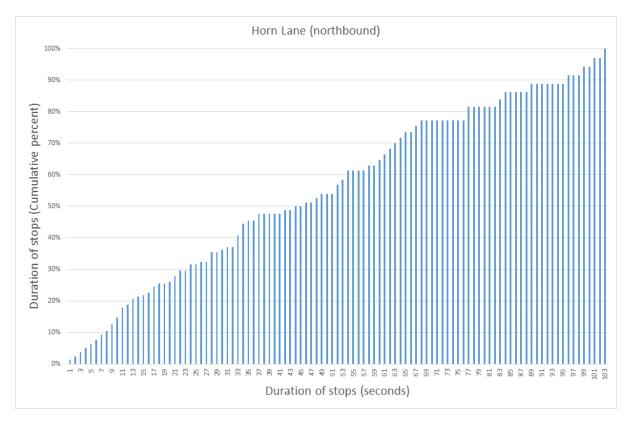


Figure 13: Horn Lane (northbound) – Duration of stops

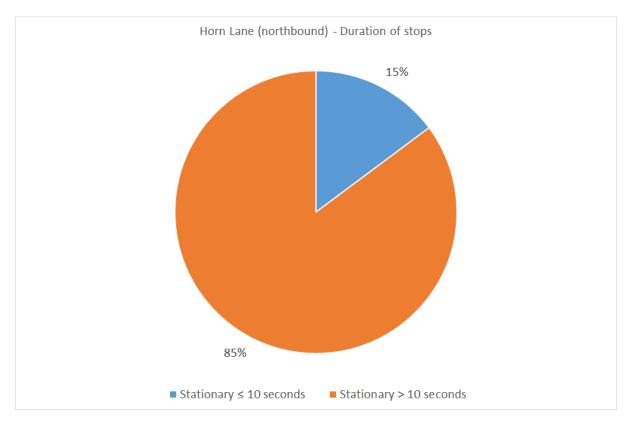


Figure 14: Horn Lane (northbound) – Duration stationary >10 seconds

Table 12: Horn Lane (northbound) – Time spent >20mph

Horn Lane (northbound)
Deveenterse (%) time event >20mmh (>

Percentage (%) time spent >20mph (>32.2kph)

Se	ction															
Run	Α	В	С	D	E	F	G	н	1	J	К	L	м	Ν		Combined
1	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	15%	100%	100%	100%	100%	8%
2	2%	100%	18%	100%	100%	1%	92%	67%	68%	62%	45%	84%	100%	100%	100%	39%
3	0%	93%	13%	100%	30%	0%	26%	57%	60%	60%	100%	100%	100%	99%	4%	46%
4	0%	2%	23%	33%	94%	100%	39%	2%	29%	47%	81%	39%	96%	100%	100%	35%
5	0%	0%	19%	96%	96%	NA	NA	NA	0%	0%	69%	100%	100%	100%	4%	
6	10%	1%	0%	90%	63%	0%	13%	75%	48%	0%	41%	100%	100%	79%	0%	26%
7	0%	48%	13%	87%	38%	0%	0%	0%	0%	0%	20%	100%	NA	NA	0%	
8	0%	49%	3%	36%	31%	0%	0%	1%	46%	62%	84%	24%	100%	43%	0%	24%
9	5%	0%	0%	0%	0%	0%	0%	0%	5%	0%	0%	0%	63%	1%	0%	3%
10	18%	78%	91%	100%	56%	0%	0%	30%	4%	45%	97%	91%	100%	100%	100%	41%
11	5%	40%	27%	100%	77%	0%	0%	0%	0%	0%	0%	0%	51%	100%	100%	17%
12	0%	29%	58%	4%	90%	47%	0%	0%	0%	0%	0%	82%	100%	100%	100%	16%
13	0%	94%	100%	100%	98%	0%	40%	49%	5%	53%	85%	31%	100%	100%	53%	48%
14	0%	6%	100%	94%	0%	0%	15%	49%	7%	53%	28%	99%	100%	14%	0%	19%
15	3%	8%	98%	100%	98%	1%	8%	70%	62%	54%	100%	100%	100%	100%	100%	36%
16	0%	1%	100%	52%	0%	0%	25%	71%	3%	0%	38%	100%	100%	91%	52%	15%
17	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
18	5%	100%	24%	0%	11%	100%	55%	30%	4%	6%	100%	61%	29%	100%	100%	36%
19	6%	100%	5%	71%	0%	8%	0%	0%	0%	0%	0%	0%	17%	34%	0%	8%
20	0%	75%	100%	100%	96%	85%	47%	70%	0%	0%	0%	0%	66%	70%	0%	32%
21	0%	0%	9%	0%	1%	0%	0%	0%	0%	31%	100%	100%	100%	71%	20%	8%
22	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	22%	100%	100%	4%
23	0%	0%	22%	30%	13%	0%	0%	0%	0%	0%	0%	18%	100%	100%	100%	8%
24	0%	0%	0%	20%	0%	12%	48%	5%	47%	67%	100%	100%	100%	100%	100%	31%
25	0%	0%	40%	100%	82%	1%	93%	48%	44%	0%	22%	64%	100%	100%	100%	26%
26	0%	87%	39%	80%	1%	0%	0%	0%	0%	0%	83%	100%	100%	88%	0%	18%
27	NA	NA	NA	NA	NA	NA	NA	NA	NA	0%	0%	58%	100%	100%	100%	
28	2%	44%	100%	100%	74%	0%	0%	NA	NA	NA	NA	NA	NA	NA	NA	
29	0%	95%	22%	95%	0%	0%	21%	59%	63%	52%	92%	100%	100%	99%	29%	33%
30	0%	44%	100%	46%	0%	0%	0%	57%	43%	55%	100%	100%	100%	100%	100%	22%
31	0%	0%	0%	0%	0%	64%	18%	0%	0%	0%	84%	100%	100%	100%	100%	16%
32	0%	42%	25%	100%	91%	0%	0%	0%	7%	36%	39%	73%	15%	0%	0%	14%
33	2%	1%	9%	28%	25%	0%	25%	23%	0%	64%	100%	100%	100%	100%	79%	22%
34	4%	100%	16%	99%	54%	0%	32%	41%	51%	79%	100%	100%	100%	85%	23%	47%
35	3%	100%	100%	100%	64%	0%	51%	70%	20%	23%	100%	96%	100%	69%	72%	39%
36	1%	3%	100%	100%	100%	13%	100%	64%	38%	56%	100%	100%	100%	82%	89%	36%
37	3%	100%	35%	100%	47%	0%	1%	59%	35%	0%	36%	98%	37%	65%	100%	25%
38	6%	60%	100%	82%	5%	0%	0%	13%	0%	53%	100%	100%	100%	97%	90%	32%
39	2%	53%	0%	74%	26%	7%	0%	0%	0%	29%	92%	91%	100%	100%	100%	21%
40	1%	63%	26%	100%	62%	0%	16%	15%	0%	0%	0%	93%	100%	100%	100%	22%
ned	1%	20%	22%	42%	30%	4%	10%	16%	12%	15%	33%	54%	72%	59%	40%	20%

Horn Lane (sout	hbound	4)														
Journey Time (s																
Section																
Run	Α	в	с	D	E	F	G	н	1	J	к	L	м	Ν	0	Total
1		6.1	12.7	9.1	11.0	13.8	13.6	12.5	14.3	13.0	11.7	11.5	10.0	11.0	6.3	156.6
2		6.0	9.9	7.8	17.3	12.6	8.8	9.2	11.1	10.5	9.4	9.4	9.1	11.0	9.7	141.8
3		5.4	9.8	8.8	9.1	12.3	13.3	11.7	17.1	18.0	8.8	9.3	9.1	10.4	7.3	150.4
4		6.1	12.1	10.3	25.3	15.4	12.6	12.0	15.5	14.8	9.8	14.5	11.7	32.5	6.3	198.9
5		NA	NA	9.1	13.3	15.3	14.9	13.0	15.4	16.4	9.8	19.1	9.3	10.2	5.5	
6		5.2	11.1	47.8	12.6	15.4	14.6	32.8	22.9	10.6	9.0	9.7	8.8	8.6	4.5	213.6
7		5.6	11.0	9.4	48.5	34.6	11.0	11.7	11.7	10.8	9.7	16.9	9.8	9.4	4.8	204.9
8		5.6	10.1	8.2	8.5	10.1	10.1	10.6	11.6	9.9	8.4	8.6	8.2	8.2	4.2	122.3
9		6.6	15.1	11.6	11.6	NA	NA	10.8	25.1	18.0	9.3	31.2	130.0	86.3	19.5	
10		5.8	10.5	28.6	51.3	17.0	NA	24.9	14.3	13.3	12.1	15.5	83.1	63.3	7.0	
11		5.6	10.2	8.7	10.2	11.8	10.1	10.2	10.9	10.5	9.4	9.9	8.9	15.9	5.5	137.8
12		5.3	9.4	8.8	47.2	13.6	9.3	9.4	10.6	10.1	8.9	8.7	8.9	8.9	4.3	163.4
13		5.3	9.4	8.6	13.0	21.5	10.3	10.3	10.7	10.4	9.2	9.2	9.0	9.3	4.9	141.1
14		5.6	10.2	17.6	36.1	15.6	12.0	11.4	20.1	13.4	9.8	9.3	8.9	8.9	4.3	183.2
15		6.4	18.0	17.6	12.5	12.1	37.8	11.7	12.2	11.3	9.0	9.1	8.9	9.1	6.3	182.0
16		49.7	73.7	58.7	70.1	20.7	11.5	12.7	10.9	10.6	9.2	9.0	8.8	10.3	6.7	362.6
17		5.3	10.3	8.6	33.7	16.5	10.2	10.0	10.4	9.8	9.1	8.9	8.7	NA	NA	100.0
18		6.1	13.7	9.6	45.7	13.6	11.1	16.5	18.6	10.8	9.5	9.2	8.8	18.1	7.5	198.8
19		5.4	10.1	10.8	55.4	20.7	15.8	11.7	NA 28.1	9.0	8.9	8.7 9.4	8.7	8.5	NA	212.0
20 21		6.2 6.1	15.3 11.0	11.1 8.9	29.8 55.1	12.6 13.9	16.9 11.0	15.2 11.1	28.1 12.1	14.5 11.1	9.5 10.1	9.4 9.1	8.9 8.5	29.0 8.7	6.4 4.3	212.9 181.0
21		6.1 6.4	11.0	10.3	55.1 56.2	13.9	10.5	11.1	12.1	11.1	9.8	9.1 9.4	8.5 9.2	8.7 9.6	23.8	206.3
22		5.9	10.9	10.3	14.7	12.5	10.5	26.6	22.9	13.6	9.8 17.8	11.5	9.2	9.0 NA	23.8 NA	200.5
23		NA	NA	NA	35.4	13.7	12.1	14.4	13.9	13.0	9.4	9.1	9.4	12.2	8.4	
25		5.8	13.9	11.2	9.6	10.6	12.5	10.4	11.8	12.0	11.3	9.8	9.6	12.2	6.7	146.2
26		6.0	10.7	9.3	35.6	14.4	10.5	26.1	18.7	19.8	15.5	24.8	9.6	9.5	5.0	215.5
27		5.6	11.2	8.5	14.8	13.5	10.7	11.0	11.7	10.7	9.0	8.7	9.5	41.3	8.3	174.5
28		13.6	12.2	9.3	49.2	13.7	12.2	11.1	12.6	12.9	10.9	9.7	9.3	9.2	4.3	190.2
29		7.0	17.2	12.7	42.7	13.9	12.1	11.8	14.5	10.8	10.1	21.9	10.1	9.9	4.8	199.5
30		5.3	9.9	9.0	78.0	13.7	NA	11.6	11.3	10.1	9.2	9.4	9.0	12.1	27.8	
31		14.2	12.1	15.1	55.0	14.3	14.1	17.1	26.7	10.6	9.9	9.9	10.1	9.3	4.6	223.0
32		5.5	10.1	9.5	35.4	13.9	10.8	10.6	21.2	15.1	9.1	9.3	9.0	9.2	4.7	173.4
33		6.1	10.3	9.6	10.0	10.9	9.7	11.0	13.5	11.1	10.1	9.7	8.9	26.9	7.6	155.4
34		5.7	10.7	8.6	9.0	12.2	14.5	18.8	11.9	10.3	9.0	18.2	9.8	9.2	4.4	152.3
35		9.6	15.6	9.9	9.9	13.7	16.0	15.6	22.0	12.3	10.5	18.4	11.2	10.7	5.3	180.7
36		7.3	10.6	10.4	16.9	16.3	17.8	26.8	26.5	16.3	12.5	9.7	9.3	8.9	4.1	193.4
37		6.6	17.6	10.8	34.7	18.9	28.8	17.1	13.5	12.5	17.1	14.9	9.6	9.8	4.5	216.4
Mean		7.7	13.7	13.2	30.4	15.0	13.7	14.4	15.8	12.4	10.3	12.2	14.6	16.5	7.3	185.5
Dist. (m)		35	100	100	100	100	100	100	100	100	100	100	100	100	48	1283

Table 13: Horn Lane (southbound) – Journey times

Horn Lane (southb	ound	I)														
Average speed (kp	h)															
Section																
Run	Α	В	с	D	E	F	G	н	1	1	К	L	м	N		mbined
1		24	29	40	32	27	26	29	25	28	31	31	35	33	28	30
2		25	37	46	21	30	40	39	33	34	38	38	39	33	18	33
3		27	37	41	39	30	27	30	21	20	41	39	39	34	24	31
4		23	30	35	14	24	28	30	24	24	37	25	31	11	28	23
5		NA	NA	39	26	24	24	27	24	22	35	19	38	35	33	
6		27	32	7	27	24	25	12	15	33	40	38	40	42	40	21
7		28	33	38	7	11	31	31	31	33	37	21	36	38	38	23
8		27	36	44	43	36	35	34	31	36	43	42	43	44	43	38
9		22	24	32	31	NA	NA	32	14	20	39	11	3	4	9	
10		25	32	16	7	21	NA	15	26	26	32	26	5	5	25	
11		27	36	41	36	32	35	35	33	34	38	37	40	22	32	34
12		29	39	41	8	27	38	38	34	35	41	41	40	40	41	28
13		28	39	42	28	17	34	35	34	35	39	39	39	39	37	33
14		27	36	20	10	24	30	32	18	27	37	39	40	40	42	25
15		23	20	21	29	30	9	31	30	32	40	40	40	39	28	25
16		3	5	6	5	18	30	28	33	34	39	40	41	35	26	13
17		28	35	42	10	23	35	36	35	37	40	41	41	NA	NA	
18		24	26	37	8	27	31	22	20	33	38	39	41	20	23	23
19		26	36	33	6	18	23	31	NA	37	41	41	41	42	NA	
20		24	24	32	12	29	20	24	13	25	38	38	40	13	27	22
21		26	33	40	7	27	32	33	30	32	36	39	42	41	42	26
22		22	33	35	6	30	33	29	29	30	37	38	39	37	7	22
23		24	34	36	25	23	29	13	16	27	20	31	38	NA	NA	
24		NA	NA	NA	10 37	27	19	25 34	26	27	38	39	38	29	21	22
25 26		27 26	26 34	32 38	37 10	36 26	28 34		31 19	30	32 23	37 15	38 37	33 38	26	32
26 27			34 32	43	24	26		14 33	31	18 34	40	42	37	38 9	35	22 27
27		26 11	32	39	24 7	28	33 28	33	29	28	33	37	38	39	21 41	27
28		27	21	28	7	27	28	30	29	33	35	15	36	36	37	24
30		27	36	40	5	27	NA	31	33	36	40	38	40	32	6	25
31		11	30	24	7	27	25	21	13	34	36	37	36	38	39	21
32		27	36	38	10	20	33	34	17	24	39	38	40	39	38	27
33		27	36	37	35	34	36	32	27	32	36	37	40	13	23	30
33		23	34	42	40	31	24	19	31	35	40	19	36	39	41	30
35		15	23	36	37	27	24	23	16	29	34	20	30	33	34	26
36		20	34	34	20	27	22	16	16	29	24	36	38	40	40	20
38		20	21	33	11	23	13	21	27	22	24	25	37	37	36	24
57 Combined		19	21	27	11	20	26	21	27	29	35	23 29	25	22	24	21
combined		15	21	21	12	25	20	23	23	23	35	25	25		24	24

Table 14: Horn Lane (southbound) – Average speeds

Percentage (%)		-	irv													
Sect		Serie Statione														
Run	A	в	с	D	E	F	G	н	1	J	к	L	м	N	0	Combined
1		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2		0%	0%	0%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%
3		0%	0%	0%	0%	0%	0%	0%	0%	9%	0%	0%	0%	0%	0%	1%
4		0%	0%	0%	23%	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	8%
5		NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	
6		0%	0%	64%	0%	0%	0%	39%	10%	0%	0%	0%	0%	0%	0%	21%
7		0%	0%	0%	64%	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%
8		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
9		0%	0%	0%	0%	NA	NA	0%	0%	0%	0%	6%	54%	44%	0%	
10		0%	0%	5%	59%	0%	NA	0%	0%	0%	0%	0%	15%	35%	0%	
11		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
12		0%	0%	0%	69%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%
13		0%	0%	0%	0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%
14		0%	0%	0%	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%
15		0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	0%	0%	7%
16		35%	39%	57%	57%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%
17		0%	0%	0%	60%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	
18		0%	0%	0%	63%	0%	0%	0%	0%	0%	0%	0%	0%	26%	0%	17%
19		0%	0%	0%	61%	0%	0%	0%	NA	0%	0%	0%	0%	0%	NA	
20		0%	0%	0%	32%	0%	0%	0%	24%	0%	0%	0%	0%	47%	0%	14%
21		0%	0%	0%	76%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	23%
22		0%	0%	0%	62%	0%	0%	0%	0%	0%	0%	0%	0%	0%	40%	21%
23		0%	0%	0%	0%	0%	0%	14%	0%	0%	0%	0%	0%	NA	NA	
24		NA	NA	NA	46%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
25		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
26		0%	0%	0%	44%	0%	0%	0%	0%	0%	0%	27%	0%	0%	0%	10%
27		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	0%	7%
28		0%	0%	0%	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	16%
29		0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	23%	0%	0%	0%	13%
30		0%	0%	0%	69%	0%	NA	0%	0%	0%	0%	0%	0%	0%	39%	
31		0%	0%	0%	71%	0%	0%	0%	12%	0%	0%	0%	0%	0%	0%	19%
32		0%	0%	0%	51%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%
33		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	55%	0%	10%
34		0%	0%	0%	0%	0%	0%	11%	0%	0%	0%	4%	0%	0%	0%	2%
35		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
36		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
37		0%	0%	0%	46%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	8%
Combined		6%	6%	14%	47%	2%	3%	3%	2%	0%	0%	3%	15%	20%	8%	13%

Table 15: Horn Lane (southbound) – Time spent stationary

Horn Lane (southbound)

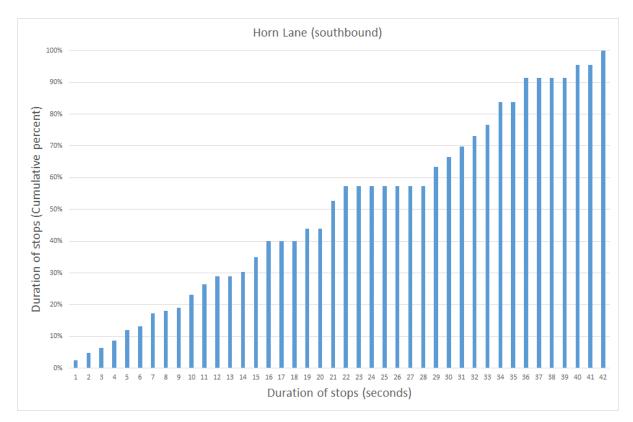


Figure 15: Horn Lane (southbound) – Duration of stops

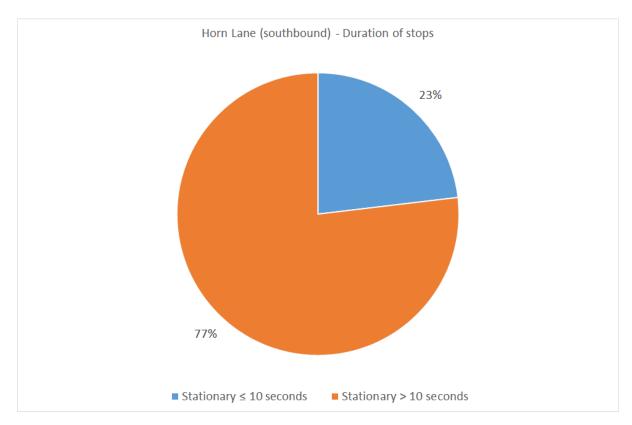


Figure 16: Horn Lane (southbound) – Duration stationary >10 seconds

Table 16: Horn Lane (southbound) – Time spent >20mph

Horn Lane (southbound)

Percentage (%) time spent >20mph (>32.2kph)

Sec	tion															
Run	Α	В	С	D	E	F	G	н	- I -	J	К	L	м	Ν	0	Combine
1		0%	32%	96%	45%	0%	0%	1%	0%	0%	25%	42%	98%	49%	0%	26
2		0%	66%	100%	35%	31%	100%	100%	64%	67%	97%	100%	100%	56%	0%	64
3		7%	81%	100%	79%	44%	2%	51%	0%	27%	100%	89%	100%	81%	0%	50
4		0%	56%	87%	0%	0%	0%	23%	3%	19%	93%	1%	3%	1%	16%	16
5		NA	NA	96%	0%	1%	7%	0%	0%	29%	52%	23%	100%	100%	49%	
6		0%	42%	11%	16%	1%	0%	4%	0%	58%	87%	93%	100%	95%	93%	27
7		13%	77%	100%	7%	0%	38%	53%	40%	69%	100%	8%	100%	100%	100%	39
8		0%	61%	100%	96%	94%	83%	58%	56%	69%	100%	87%	100%	100%	100%	79
9		0%	0%	33%	35%	NA	NA	53%	0%	3%	100%	12%	0%	0%	0%	
10		0%	49%	18%	0%	0%	NA	0%	0%	2%	64%	2%	0%	0%	0%	
11		20%	85%	100%	98%	24%	82%	80%	61%	72%	97%	100%	100%	28%	56%	7:
12		21%	100%	100%	13%	18%	100%	98%	69%	74%	100%	100%	100%	100%	100%	6
13		34%	100%	100%	26%	0%	81%	62%	66%	76%	100%	100%	100%	100%	100%	6
14		0%	66%	20%	0%	0%	37%	55%	0%	8%	100%	100%	100%	100%	100%	3
15		0%	16%	26%	22%	27%	3%	26%	16%	48%	97%	100%	100%	100%	22%	3
16		0%	0%	0%	0%	0%	45%	7%	68%	75%	100%	100%	100%	65%	0%	1
17		38%	58%	94%	21%	0%	68%	68%	79%	91%	100%	97%	100%	NA	NA	
18		0%	18%	100%	9%	0%	35%	0%	0%	67%	100%	100%	100%	36%	16%	3
19		13%	90%	52%	0%	0%	0%	45%	NA	63%	89%	97%	100%	100%	NA	
20		2%	0%	61%	0%	25%	20%	0%	0%	0%	98%	100%	100%	23%	27%	2
21		0%	57%	100%	13%	13%	54%	56%	37%	57%	100%	97%	100%	100%	100%	4
22		0%	62%	100%	4%	39%	96%	54%	47%	43%	97%	100%	100%	100%	5%	4
23		0%	72%	98%	1%	9%	12%	1%	0%	1%	0%	40%	100%	NA	NA	
24		NA	NA	NA	10%	9%	0%	0%	0%	20%	97%	100%	100%	30%	0%	
25		0%	0%	58%	97%	100%	33%	76%	35%	2%	37%	100%	100%	63%	0%	5
26		0%	59%	100%	4%	0%	88%	10%	0%	0%	0%	2%	91%	100%	100%	2
27		23%	49%	100%	35%	1%	55%	63%	44%	70%	100%	100%	100%	1%	0%	4
28		0%	42%	100%	1%	0%	15%	64%	44%	1%	54%	100%	100%	100%	100%	3
29		6%	2%	2%	0%	0%	0%	26%	0%	58%	80%	15%	84%	100%	100%	2
30		11%	99%	100%	0%	4%	NA	51%	65%	79%	100%	100%	90%	51%	0%	
31		0%	40%	12%	4%	0%	1%	0%	0%	74%	100%	100%	100%	100%	100%	2
32		0%	86%	100%	10%	0%	47%	60%	0%	28%	100%	100%	100%	100%	100%	4
33		2%	81%	100%	100%	100%	100%	63%	0%	49%	96%	100%	100%	30%	14%	6
34		0%	53%	100%	100%	32%	0%	31%	41%	79%	97%	16%	84%	100%	100%	5
35		0%	1%	92%	100%	5%	0%	0%	0%	33%	98%	14%	54%	96%	87%	3
36		0%	75%	92%	20%	0%	0%	0%	0%	0%	9%	86%	100%	100%	100%	2
37		0%	0%	68%	1%	0%	0%	0%	18%	25%	0%	2%	99%	100%	100%	1
ined		4%	39%	56%	12%	12%	27%	28%	17%	37%	74%	57%	56%	44%	34%	34

3. A40 Western Avenue

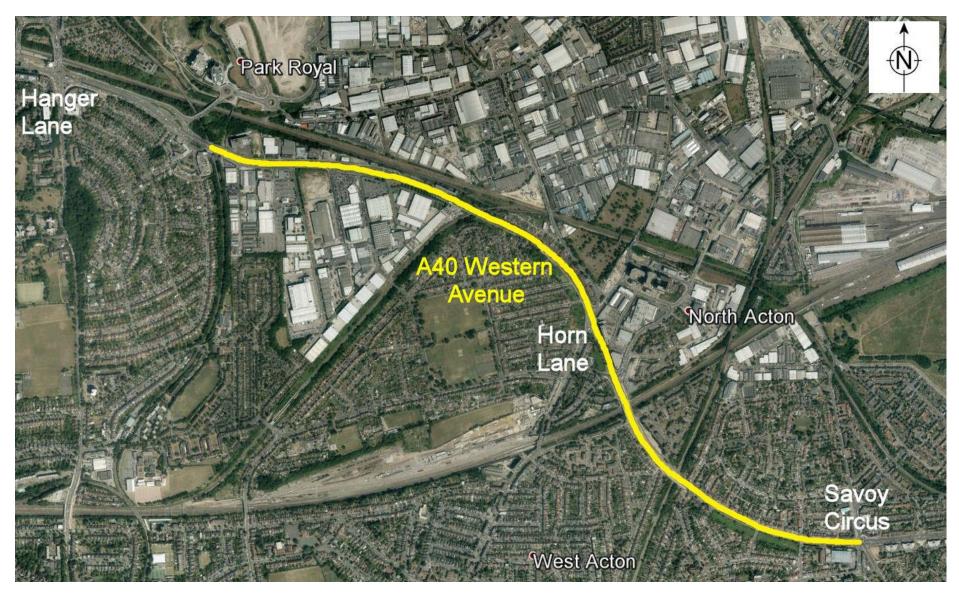


Figure 17: A40 Western Avenue – Case study area



Figure 18: A40 Western Avenue – Sections 'A' to 'D'

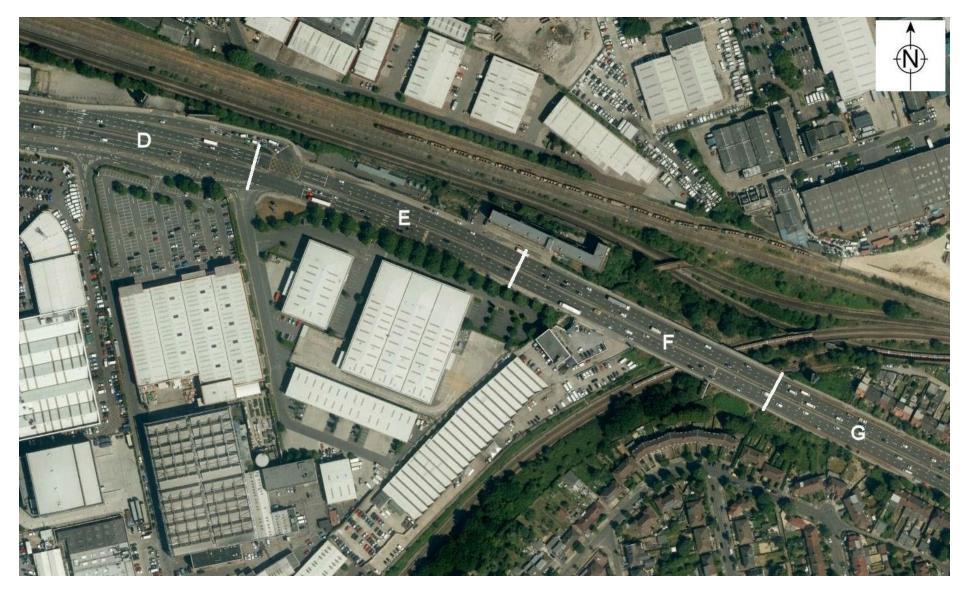


Figure 19: A40 Western Avenue – Sections 'D' to 'G'

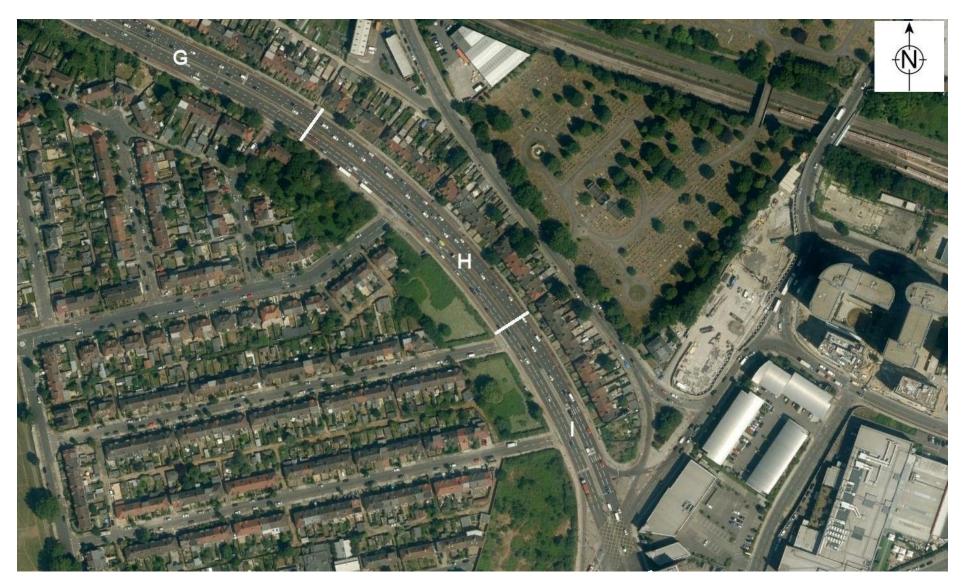


Figure 20: A40 Western Avenue – Sections 'G' to 'l'



Figure 21: A40 Western Avenue – Sections 'I' to 'K'



Figure 22: A40 Western Avenue – Sections 'K' to 'N'



Figure 23: A40 Western Avenue – Sections 'N' to 'P'

Table 17: A40 Western Avenue (eastbound) – Journey times	
Table 17: A40 Western Avenue (eastbound) – Journey times	

A40 Western Journey Time	e (seconds)	-															
Run	ction A	в	с	D	Е	F	G	н		L	к	L	м	N	ο	Р	Total
1	5.3	12.2	13.1	15.7	43.6	11.9	11.9	14.1	13.0	31.8	13.9	12.0	10.5	11.9	12.8	29.5	263.2
2	5.7	11.9	12.3	13.9	47.7	11.8	12.5	14.7	13.6	14.0	13.7	13.9	12.2	14.7	13.1	113.3	339.0
3	5.6	12.7	15.0	12.2	12.2	12.1	12.4	14.9	15.0	12.7	12.9	12.5	11.0	11.8	12.1	103.1	288.2
4	5.5	11.7	12.6	12.3	13.2	13.0	13.6	14.9	13.2	12.6	12.5	13.6	11.0	11.8	11.9	98.7	282.1
5	6.3	12.0	12.0	13.1	12.9	13.5	13.7	16.4	44.0	16.2	14.4	13.8	12.2	12.3	12.1	112.4	337.3
6	5.0	11.4	12.4	43.9	14.7	13.4	14.0	16.2	16.4	54.0	32.4	20.4	16.2	19.1	16.6	103.7	409.8
7	7.2	13.4	13.6	28.6	15.3	12.6	12.9	16.5	15.4	45.2	34.3	39.9	12.4	12.3	12.2	98.8	390.6
8	6.4	13.0	13.2	13.0	11.8	11.7	12.4	34.5	20.8	79.0	24.6	24.0	22.1	23.8	15.6	105.1	431.0
9	6.7	12.9	12.2	18.5	17.5	14.1	13.4	15.1	NA	NA	20.7	17.5	13.6	13.6	12.8	89.6	
10	6.2	12.7	13.1	13.9	12.5	12.7	14.6	16.0	17.7	13.3	13.1	12.8	11.3	12.2	12.5	89.1	283.7
11	6.3	12.5	12.7	12.4	12.0	12.3	12.2	15.9	22.1	16.9	14.9	16.2	17.7	15.6	32.3	214.2	446.2
12	5.1	11.6	12.9	36.5	21.1	15.7	14.4	17.0	34.1	19.1	28.3	19.0	13.3	12.7	13.0	83.0	356.8
13	7.0	13.5	12.9	21.3	17.8	15.1	14.4	16.7	58.8	13.4	15.5	16.9	12.9	13.8	67.3	309.1	626.4
14 15	5.9 6.2	12.2 12.6	12.6 13.3	15.6 13.7	13.3 18.1	12.5 14.5	12.4 12.5	14.7 15.9	58.2 15.4	14.4 13.1	13.6 13.3	15.1 13.8	13.9 12.3	16.2 13.4	92.0 55.2	411.8 303.4	734.4 546.7
15	5.7	12.6	13.5	12.5	12.5	14.5	12.5	18.5	25.8	16.7	15.5	15.8	12.5	13.4	13.6	97.7	309.9
10	6.7	12.0	12.5	23.9	12.5	12.5	12.5	14.0	15.1	14.5	13.5	15.9	13.3	12.9	13.0	87.3	293.4
18	5.8	12.1	12.0	13.3	13.5	13.0	12.5	14.5	43.6	13.3	14.1	16.0	14.7	12.8	12.9	28.5	252.8
19	6.0	12.6	13.3	14.0	12.1	12.4	12.5	25.0	20.4	16.2	17.7	18.2	13.6	13.2	14.4	96.1	317.7
20	5.4	12.3	12.4	41.0	20.0	12.4	12.5	14.2	13.7	12.5	12.1	12.3	11.2	12.1	13.2	90.7	308.0
21	6.0	13.0	17.1	14.3	13.0	12.9	14.1	14.9	14.5	43.3	16.2	13.7	11.7	12.1	11.9	32.1	260.8
22	6.8	13.0	13.8	14.3	12.4	12.4	13.0	15.1	54.4	12.9	12.3	12.2	10.7	12.7	12.4	255.9	484.3
23	6.1	12.1	12.2	12.0	12.0	12.0	12.2	14.9	21.6	13.3	13.6	15.5	16.4	13.6	42.3	314.9	544.7
24	5.9	11.7	12.4	13.2	14.4	14.5	21.6	95.0	94.0	80.4	68.4	56.5	34.4	37.8	22.5	25.3	608.0
25	6.1	12.0	12.3	12.2	12.1	12.7	12.5	14.3	49.5	16.1	15.1	15.2	14.2	13.9	14.8	23.5	256.5
26	6.2	13.0	13.3	29.2	17.9	15.1	13.0	14.1	13.1	13.5	14.9	17.1	13.8	14.9	14.0	107.7	330.8
27	6.0	12.5	13.4	13.0	12.1	12.4	12.7	15.0	14.8	NA	13.8	12.7	11.0	12.3	13.1	49.2	
28	NA	NA	NA	NA	NA	NA	NA	NA	NA	27.5	16.5	15.1	12.7	12.8	12.9	145.0	
29	8.2	13.5	13.3	13.3	12.3	11.9	12.1	13.9	41.3	19.5	13.4	13.7	12.0	12.8	13.4	111.9	336.5
30	5.9	12.4	12.7	32.3	16.1	13.5	13.5	15.8	17.3	58.5	14.4	12.5	10.6	12.1	12.4	151.9	411.9
31	NA 5.9	NA	NA 12.7	NA 27.7	NA	NA 12.1	NA 12.1	NA	NA 12.2	19.9	16.1	14.2	11.9	12.6	13.0	158.2	410.0
32 33	5.9 6.5	12.1 13.4	12.7 13.2	27.7 28.1	15.6 16.6	13.1 13.8	13.1 13.5	14.7 14.9	13.3 14.2	13.1 53.8	12.9 14.1	13.3 13.0	11.6 10.6	12.6 11.6	13.3 12.0	214.0 161.3	419.0 410.6
33	6.0	12.5	12.5	12.7	12.3	12.6	13.5	14.9	46.6	14.8	14.1	16.1	12.0	14.1	13.9	118.8	347.9
35	5.8	12.5	13.2	36.3	15.6	48.9	24.3	38.7	57.3	20.8	21.2	17.9	17.8	33.5	17.6	87.2	468.9
36	6.4	12.0	12.5	12.8	32.8	47.0	55.8	35.1	61.3	15.4	21.7	19.5	16.9	22.1	14.5	99.6	485.6
37	6.2	12.1	12.0	12.5	12.2	12.3	12.6	14.8	16.4	16.7	44.0	19.0	14.3	14.8	29.9	59.2	309.0
38	7.0	12.4	12.0	12.4	12.4	14.0	14.6	17.3	55.4	17.7	14.2	16.4	12.8	12.3	13.0	145.8	389.7
39	5.7	12.3	12.8	36.5	15.9	15.6	13.9	15.6	16.0	54.5	15.7	13.1	11.2	12.5	13.1	67.6	332.0
40	7.2	13.3	13.9	45.4	19.1	13.0	13.3	14.6	13.9	58.4	13.7	12.4	10.5	12.1	11.9	75.2	347.9
Mean	6.2	12.5	13.0	20.2	16.6	14.9	14.7	19.3	29.5	26.3	18.4	16.9	13.6	14.8	19.5	126.7	387.8
Dist. (m)	100	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	3100

Sec	tion																
Run	Α	В	с	D	E	F	G	н	1	J	к	L	м	Ν	ο	ΡC	ombine
1	63	59	55	46	17	60	60	57	55	23	52	61	60	61	56	24	
2	59	60	59	52	15	61	57	57	52	51	52	53	51	49	55	6	1
3	61	56	48	59	59	59	58	53	48	56	55	58	61	61	60	7	
4	61	62	57	58	55	56	53	53	54	57	57	53	61	61	61	7	
5	53	60	60	55	56	53	53	48	16	45	50	53	53	58	59	6	
6	66	63	58	16	49	54	51	50	44	13	22	35	40	38	43	7	
7	47	54	53	25	47	57	56	49	46	16	21	19	50	59	60	7	
8	53	56	55	55	61	62	58	24	34	9	29	31	28	31	46	7	
9	51	56	59	39	41	51	54	54	NA	NA	34	42	46	54	56	8	
10	55	56	55	52	57	57	49	50	40	54	55	58	57	59	57	9	
11	54	58	57	58	60	59	59	51	32	43	48	45	36	46	22	3	
12	65	62	56	20	34	46	50	47	21	38	25	39	48	57	55	9	
13	48	53	56	34	40	48	50	48	12	54	46	43	51	53	11	2	
14	57	59	57	46	54	58	58	55	12	50	53	48	48	44	8	2	
15	55	57	54	52	40	50	57	51	46	55	54	53	53	54	13	2	
16	59	57	58	58	58	57	58	43	28	43	47	46	51	56	53	7	
17	50	55	56	30	50	62	59	56	47	50	53	49	49	56	54	8	
18	58	60	59	54	53	56	57	55	16	55	51	45	44	56	56	25	
19	56	58	54	51	59	58	57	33	35	45	40	40	48	54	50	8	
20	62	59	58	18	36	58	58	56	52	58	59	60	58	60	55	8	
21	56	56	42	50	55	56	51	53	49	17	44	54	56	60	60	23	
22	50	55	52	50	58	58	55	52	13	56	58	60	59	57	58	3	
23	56	60	59	60	60	60	59	53	33	55	53	47	40	53	17	2	
24	57	62	58	55	50	50	33	8	8	9	10	13	19	19	32	28	
25	56	60	59	59	59	57	57	57	14	45	47	47	46	52	49	31	
26	54	55	54	25	40	48	55	58	55	54	48	43	45	49	52	7	
27	56	58	54	55	59	58	57	54	48	NA	52	58	56	59	55	15	
28	NA 41	NA 53	NA 55	NA 54	NA 58	NA 60	NA 59	NA 50	NA 17	26	43	49 52	51	56 57	56 54	5 6	
29 30	41 56	53	55	22	58 45	53	59	59 51	42	37 12	53 50	53 58	53 61	57 60	54	5	
30	NA	58 NA	NA	NA	45 NA	53 NA	53 NA	NA	42 NA	37	44	58	54	57	58	5	
32	58	59	57	26	46	55	55	55	54	55	56	55	54 54	57	56	3	
33	52	54	55	26	40	55	53	55	54	13	51	55	59	63	60	4	
33 34	52	58	57	57	43 58	52	53	52	15	49	49	45	59	52	52	4 6	
35	57	57	55	20	46	15	30	21	13	35	34	43	37	22	41	8	
36	53	59	57	56	22	15	13	23	12	47	33	38	38	33	50	7	
37	55	59	60	58	59	58	57	54	44	47	16	39	44	49	24	12	
38	48	58	60	58	58	52	49	46	13	43	50	45	50	58	56	5	
39	59	58	57	20	45	46	52	52	45	13	45	56	57	58	55	11	
40	47	54	52	16	37	56	54	55	51	13	52	59	60	60	60	10	
ned	55	54 58	52	36	37 43	48	54 49	42	24	27	32 39	43	47	49	37	6	

Table 18: A40 Western Avenue (eastbound) – Average speeds

	tion																
Run	Α	В	С	D	E	F	G	Н	1	J	К	L	М	Ν	0		Combine
1	0%	0%	0%	0%	54%	0%	0%	0%	0%	23%	0%	0%	0%	0%	0%	0%	129
2	0%	0%	0%	0%	58%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	78%	34
3	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	78%	
4	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	76%	26
5	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	82%	32
6	0%	0%	0%	29%	0%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%	76%	
7	0%	0%	0%	0%	0%	0%	0%	0%	0%	40%	0%	0%	0%	0%	0%	78%	25
8	0%	0%	0%	0%	0%	0%	0%	12%	0%	49%	0%	0%	0%	0%	0%	75%	28
9	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	0%	0%	0%	0%	75%	
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	68%	21
11	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	75%	
12	0%	0%	0%	11%	0%	0%	0%	0%	12%	0%	0%	0%	0%	0%	0%	62%	17
13	0%	0%	0%	0%	0%	0%	0%	0%	37%	0%	0%	0%	0%	0%	35%	81%	47
14	0%	0%	0%	0%	0%	0%	0%	0%	38%	0%	0%	0%	0%	0%	44%	79%	
15	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	44%	75%	46
16	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	76%	24
17	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	74%	22
18	0%	0%	0%	0%	0%	0%	0%	0%	39%	0%	0%	0%	0%	0%	0%	15%	:
19	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	57%	17
20	0%	0%	0%	52%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	72%	28
21	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	26%	9
22	0%	0%	0%	0%	0%	0%	0%	0%	56%	0%	0%	0%	0%	0%	0%	82%	50
23	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	24%	83%	50
24	0%	0%	0%	0%	0%	0%	0%	34%	38%	46%	0%	0%	0%	0%	0%	0%	17
25	0%	0%	0%	0%	0%	0%	0%	0%	48%	0%	0%	0%	0%	0%	0%	0%	9
26	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	77%	2
27	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	
28	NA	NA	NA	NA	NA	NA	NA	NA	NA	0%	0%	0%	0%	0%	0%	73%	
29	0%	0%	0%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	78%	30
30	0%	0%	0%	24%	0%	0%	0%	0%	0%	61%	0%	0%	0%	0%	0%	78%	39
31	NA	NA	NA	NA	NA	NA	NA	NA	NA	0%	0%	0%	0%	0%	0%	78%	
32	0%	0%	0%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	82%	43
33	0%	0%	0%	10%	0%	0%	0%	0%	0%	53%	0%	0%	0%	0%	0%	80%	39
34	0%	0%	0%	0%	0%	0%	0%	0%	36%	0%	0%	0%	0%	0%	0%	76%	3
35	0%	0%	0%	17%	0%	9%	0%	12%	43%	0%	0%	0%	0%	0%	0%	60%	2
36	0%	0%	0%	0%	0%	8%	37%	0%	47%	0%	0%	0%	0%	0%	0%	76%	
37	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%	13%	51%	1
38	0%	0%	0%	0%	0%	0%	0%	0%	41%	0%	0%	0%	0%	0%	0%	75%	34
39	0%	0%	0%	27%	0%	0%	0%	0%	0%	54%	0%	0%	0%	0%	0%	16%	1
40	0%	0%	0%	58%	0%	0%	0%	0%	0%	63%	0%	0%	0%	0%	0%	71%	
ined	0%	0%	0%	13%	8%	1%	4%	6%	25%	26%	0%	0%	0%	0%	14%	73%	30

Table 19: A40 Western Avenue (eastbound) – Time spent stationary

A40 Western Avenue (eastbound)

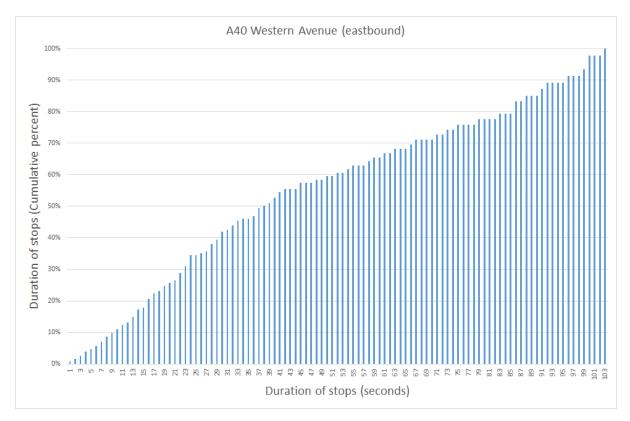


Figure 24: A40 Western Avenue (eastbound) – Duration of stops

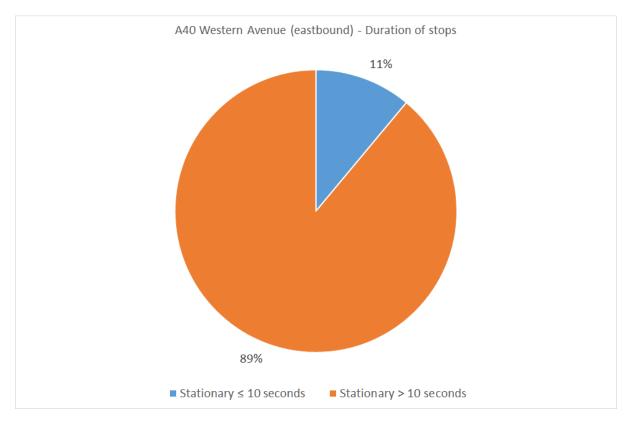


Figure 25: A40 Western Avenue (eastbound) – Duration stationary >10 seconds

Table 20: A40 Western Avenue (eastbound) – Time spent >20mph

A40 Western	Avenue (e	astbound)															
Percentage (ent >30mp	h (>48.3kp	h)													
_	ection	-		_	-	-	-										
Run	A	B	C	D	E	F	G	H	1	J	K	L	M	N	0		Combined
1 2	100%	100%	100%	64%	18% 17%	100%	100%	100%	100%	18%	76%	100%	100%	100%	89%	0%	61%
2	100% 100%	100%	100% 55%	78% 100%	100%	100% 100%	100% 100%	100% 100%	98% 56%	93% 100%	98%	100% 100%	88% 100%	79% 100%	100% 100%	3% 8%	53% 63%
		100%									100%						
4	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	79%	100%	100%	100%	6%	66%
5	95%	100%	100%	100%	100%	100%	100%	62%	0%	2%	62%	100%	100%	100%	100%	9%	48%
6	100%	100%	100%	2%	73%	100%	100%	83%	0%	0%	0%	0%	0%	0%	8%	0%	20%
7	53%	100%	87%	0% 100%	50% 100%	100%	100%	73% 17%	14% 0%	0% 0%	0%	0% 0%	57% 0%	100%	100%	9%	30%
8 9	100%	100%	100%			100%	100%				0%			0%	45%	4%	23%
	85%	100%	100%	21%	0%	85%	100%	100%	NA	NA 100%	0%	0%	14%	99%	100%	8%	CD 1/
10	100% 100%	100% 100%	100% 100%	100% 100%	100% 100%	100% 100%	64% 100%	75% 62%	19% 0%	100% 0%	100% 34%	100% 1%	100% 0%	100% 47%	100% 23%	9% 0%	63% 25%
11																	
12	100%	100%	99%	0%	0% 10%	8% 45%	56% 72%	55% 68%	0%	0%	0%	0%	50%	100%	89%	0%	22%
13	46%	100%	100%	13%					4%	100%	46%	0%	73%	100%	0%	0%	17%
14	100%	100%	100%	34%	79%	100%	100%	99%	0%	90%	100%	34%	40%	33%	0%	0%	18%
15	100%	100%	100%	100%	12%	75%	100%	72%	37%	100%	100%	100%	100%	100%	12%	0%	29%
16	100%	100%	100%	100%	100%	100%	100%	44%	0%	0%	7%	0%	73%	100%	100%	8%	43%
17	81%	100%	100%	25%	63%	100%	100%	100%	38%	97%	100%	69%	59%	100%	100%	8%	57%
18	100%	100%	100%	100%	100%	100%	100%	100%	6%	100%	76%	0%	5%	100%	100%	15%	61%
19	100%	100%	100%	79%	100%	100%	100%	34%	7%	12%	28%	0%	32%	100%	83%	0%	40%
20	100%	100%	100%	21%	26%	100%	100%	100%	92%	100%	100%	100%	100%	100%	92%	0%	55%
21	100%	100%	19%	85%	100%	100%	100%	100%	65%	5%	31%	100%	100%	100%	100%	15%	61%
22	56%	100%	99%	63%	100%	100%	100%	100%	8%	99%	100%	100%	100%	100%	100%	1%	35%
23	100%	100%	100%	100%	100%	100%	100%	83%	17%	100%	91%	0%	0%	99%	16%	0%	26%
24	100%	100%	100%	100%	83%	70%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%
25	100%	100%	100%	100%	100%	100%	100%	100%	6%	27%	34%	25%	30%	100%	79%	17%	56%
26	100%	100%	100%	19%	6%	34%	100%	100%	100%	100%	44%	0%	0%	57%	100%	4%	40%
27	100%	100%	100%	100%	100%	100%	100%	100%	55%	NA	82%	100%	100%	100%	100%	1%	
28	NA	NA	0%	0%	56%	100%	100%	88%	0%								
29	5%	100%	100%	100%	100%	100%	100%	100%	1%	11%	100%	100%	100%	100%	100%	1%	48%
30	100%	100%	100%	19%	44%	100%	100%	91%	33%	11%	74%	100%	100%	100%	100%	3%	39%
31	NA	NA	0%	17%	96%	100%	100%	100%	3%								
32	100%	100%	100%	29%	55%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	43%
33	86%	100%	100%	21%	23%	100%	100%	100%	89%	5%	72%	100%	100%	100%	100%	3%	39%
34	100%	100%	100%	100%	100%	100%	100%	77%	0%	61%	77%	0%	77%	100%	100%	1%	44%
35	100%	100%	84%	0%	44%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	0%	9%
36	100%	100%	100%	100%	8%	0%	0%	0%	0%	41%	0%	0%	0%	0%	66%	5%	14%
37	100%	100%	100%	100%	100%	100%	100%	89%	2%	14%	0%	0%	0%	66%	1%	0%	34%
38	51%	100%	100%	100%	100%	84%	95%	1%	0%	0%	89%	7%	54%	100%	100%	1%	32%
39	100%	100%	100%	9%	24%	28%	100%	100%	29%	7%	39%	100%	100%	100%	93%	0%	41%
40	40%	100%	100%	20%	28%	100%	100%	100%	100%	13%	75%	100%	100%	100%	100%	11%	50%
Combined	88%	100%	95%	46%	54%	73%	80%	60%	16%	24%	40%	39%	53%	71%	52%	2%	36%

	(seconds) tion																
Run	Α	в	с	D	E	F	G	н	1	J	к	L	м	N	o	Р	Tot
1	7.8	13.4	14.6	17.0	23.4	18.0	22.1	19.5	13.3	14.3	16.7	16.1	17.4	18.1	21.3	20.5	273.
2	8.5	13.1	12.5	13.1	12.2	11.8	12.0	11.5	NA								
3	6.6	13.0	13.2	14.0	22.0	12.4	11.7	10.7	12.1	14.7	28.5	13.3	13.4	13.5	14.5	20.4	234
4	7.4	12.4	12.3	12.5	13.0	12.6	12.6	12.4	17.7	34.6	18.2	12.1	11.7	11.6	12.1	18.0	231
5	6.6	13.1	13.3	13.9	15.0	12.6	12.2	11.3	12.6	16.2	31.8	12.0	12.2	11.6	11.7	15.8	221
6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.0	12.3	11.3	13.1	16.4	
7	7.7	12.6	12.8	13.4	48.9	12.7	12.9	12.6	13.9	17.2	34.1	12.8	13.4	12.1	12.4	17.1	266
8	9.2	14.2	13.8	15.0	48.2	12.2	12.7	12.8	14.1	18.3	43.5	12.0	12.1	12.0	11.9	17.0	279
9	6.9	13.0	15.0	15.8	17.2	22.9	13.1	12.4	18.5	24.3	31.3	17.6	36.5	29.9	36.2	18.1	328
10	7.6	13.1	13.8	14.7	15.4	12.2	12.1	11.8	24.2	31.2	20.8	12.1	11.7	11.7	11.7	16.5	240
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.7	14.4	14.4	14.6	29.3	
12	36.4	49.4	19.8	16.2	20.1	26.9	12.6	12.3	NA								
13	19.3	24.0	13.8	13.2	13.0	14.2	14.5	15.0	15.6	25.4	35.1	12.2	12.6	12.9	15.9	29.8	286
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.2	12.4	12.0	12.0	17.3	
15	6.5	12.8	14.5	17.9	18.0	12.9	12.3	11.8	NA								
16	12.4	14.6	12.2	14.0	46.4	14.0	13.4	12.3	16.8	40.9	37.4	15.0	16.6	14.5	15.0	23.5	319
17	6.8	13.4	14.8	16.2	52.5	14.2	13.5	13.7	15.7	24.1	40.9	12.1	12.3	12.7	17.2	32.9	313
18	7.7	14.6	14.6	12.5	12.0	12.2	12.2	11.9	14.4	24.2	31.6	12.6	12.4	12.3	15.4	27.0	247
19	69.2	69.3	42.0	19.4	74.7	57.6	13.8	12.0	NA								
20	8.5	12.2	13.6	13.9	14.2	14.6	14.2	13.0	17.7	30.8	33.0	12.7	12.3	11.8	11.7	16.1	250
21	8.5	15.8	16.4	17.0	53.4	15.0	14.7	14.1	16.4	31.9	20.0	13.6	13.0	12.3	12.1	16.6	290
22	20.7	17.7	18.9	16.5	15.0	14.5	14.6	13.9	16.6	24.4	34.8	16.4	17.4	17.1	19.0	20.1	297
23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.1	14.3	14.3	15.7	19.3	
24	6.0	12.5	13.5	15.3	48.9	13.6	14.6	13.9	18.3	NA							
25	44.1	62.2	15.0	13.3	12.4	12.1	12.4	12.2	17.8	17.8	22.4	12.3	12.0	11.8	12.1	17.6	307
26	6.2	12.4	12.1	13.7	47.6	13.0	12.4	11.5	13.4	17.0	30.1	12.1	13.1	12.1	12.5	16.2	255
27	6.5	12.4	13.1	14.5	43.4	13.2	12.9	12.6	15.6	22.4	40.5	13.3	13.2	12.1	12.1	15.8	273
28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.7	13.6	12.4	13.5	18.4	
29	10.3	24.1	53.7	25.0	51.2	44.3	32.7	55.2	NA								
30	6.7	13.1	13.8	14.2	39.4	13.6	13.3	12.7	16.1	49.9	14.0	12.8	12.6	12.2	12.0	17.8	274
31	12.9	17.1	14.6	15.6	17.6	16.0	13.7	13.9	20.3	23.4	27.2	13.1	12.4	12.3	12.5	16.7	259
32	15.5	15.5	15.4	15.0	26.2	21.8	15.1	14.0	15.9	23.8	39.9	12.5	12.7	12.7	15.4	37.3	308
33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.8	14.3	14.5	16.2	18.9	
34	20.2	22.7	15.3	16.7	54.6	45.0	24.2	42.5	24.5	26.2	24.8	14.5	15.5	15.3	15.2	20.6	397
35	22.6	47.0	17.8	22.2	57.2	45.4	38.8	43.0	18.2	36.1	54.1	13.1	13.6	12.6	12.6	16.9	471
36	16.8	35.9	42.9	49.2	77.4	65.7	52.0	56.4	18.0	77.1	51.9	29.3	42.3	19.0	20.5	21.0	675
37	7.3	13.5	14.6	15.6	34.2	14.4	13.6	15.5	17.6	33.8	35.7	13.9	15.3	15.3	16.5	22.9	299
38	9.3	13.3	14.2	16.5	25.4	20.2	14.7	15.1	18.6	23.4	37.9	13.0	13.3	12.6	15.6	34.8	297
39	28.6	38.8	15.0	15.9	37.9	17.7	17.3	13.9	18.5	28.5	14.1	13.2	12.9	12.4	13.1	18.2	316
40	6.4	12.7	13.8	14.8	37.1	19.9	17.1	15.6	15.9	21.4	38.5	16.2	18.5	17.9	14.2	17.3	297
41	6.4	12.5	12.8	13.9	13.2	12.0	12.5	12.1	13.5	16.5	37.7	12.2	12.3	11.5	12.5	16.6	228
42	6.8	13.3	13.2	15.8	43.7	14.3	12.7	12.3	13.1	17.2	33.8	13.0	12.8	12.5	14.4	20.0	268
43	6.1	12.6	13.1	12.6	14.9	14.3	14.7	12.5	16.4	54.8	13.5	12.5	13.3	12.7	12.7	17.2	253
44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.7	13.0	12.5	15.8	20.5	
45	6.9	12.7	12.4	13.6	58.3	13.5	13.2	12.1	NA								
46	6.4	13.4	17.9	16.1	41.2	12.3	12.0	11.6	12.9	12.9	12.0	12.0	12.8	11.7	12.8	17.1	235
47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.9	12.4	12.4	12.8	16.5	
48	6.3	12.1	12.0	12.6	13.3	12.6	12.3	12.1	NA								
/lean	13.1	19.8	16.7	16.2	33.2	19.5	16.0	16.6	16.5	27.3	30.8	13.6	14.8	13.6	14.7	20.3	296

Run	Α	в	С	D	E	F	G	н	1	J	к	L	м	N	0	P Co	mbine
1	46	54	49	43	31	40	33	35	54	50	43	45	42	40	34	35	4:
2	42	55	58	55	59	61	60	60	NA								
3	54	55	55	51	33	58	61	64	60	49	25	55	53	54	50	36	4
4	49	58	59	58	55	57	57	55	41	20	38	60	62	62	59	40	4
5	55	55	54	52	48	57	59	60	57	44	23	61	60	62	61	45	5
6	NA	60	60	63	55	44											
7	47	57	57	53	15	57	56	55	52	42	21	56	54	59	58	43	4
8	39	51	52	48	15	59	57	54	51	39	17	60	59	60	60	43	4
9	52	55	48	45	42	32	55	57	39	29	23	41	19	24	20	41	3
10	48	55	52	49	47	59	60	59	30	23	35	60	61	61	61	45	4
11	NA	57	51	50	49	25											
12	10	15	36	45	36	27	57	57	NA								
13	19	30	52	54	55	51	50	48	46	28	21	59	57	56	45	24	з
14	NA	59	58	60	60	42											
15	56	56	49	40	40	56	58	59	NA								
16	29	49	59	51	16	51	54	56	43	18	19	49	44	50	48	31	3
17	53	54	49	45	14	51	54	50	46	30	18	60	59	57	42	22	3
18	47	50	49	58	60	59	59	61	50	29	23	58	59	58	47	27	4
19	5	10	17	37	10	13	52	58	NA								
20	43	59	53	52	51	49	51	53	41	23	22	57	59	61	62	45	4
21	43	45	44	42	13	48	49	49	44	23	36	53	56	58	60	44	1
22	17	41	38	44	48	50	49	50	43	30	21	44	42	42	38	36	1
23	NA	51	50	50	46	38											
24	60	58	53	47	15	53	49	50	39	NA							
25	8	11	48	54	58	60	58	56	41	40	32	60	59	61	59	42	3
26	58	58	59	53	15	56	58	59	54	42	24	60	56	59	58	44	4
27	55	58	55	49	17	55	56	54	46	32	18	54	56	60	59	45	4
28	NA	57	54	58	53	39											
29	35	30	13	29	14	16	22	13	NA								
30 31	54	55 42	53 49	51 46	18 41	53 45	54 53	55 51	45 35	14	52	56 56	57 57	59 59	60 57	41 44	ہ ہ
32	28 23	42	49	48	28	33	48	50	46	31 30	27						
	23 NA					NA					18	58	56	56	47	20	3
33 34	18	NA 32	NA 47	NA 43	NA 13	16	NA 30	NA 16	NA 29	NA 28	NA 29	53 50	50 47	50 47	44 47	39 35	
35	16	15	47	32	13	16	19	16	39	20	13	55	53	57	57	43	
36	22	20	17	15	13 9	10	19	10	39 40	20	13	25	17	38	35	34	
37	49	53	49	46	21	50	52	47	40	21	20	52	47	47	44	34	
38	39	54	51	40	28	36	49	46	39	31	19	56	54	57	44	21	
39	13	19	48	44	19	40	49	50	39	25	52	55	56	58	55	40	
40	56	56	52	49	19	36	42	47	45	34	19	45	38	40	51	40	
40	56	58	56	52	54	60	58	58	53	43	19	60	59	62	58	44	
42	53	54	55	45	16	50	57	56	55	43	21	56	57	58	50	36	
43	59	57	55	57	49	50	49	55	44	13	54	58	55	57	57	42	-
44	NA	57	56	57	46	35											
45	53	57	58	53	12	54	55	57	NA								
46	57	53	40	44	18	58	60	60	56	56	60	61	57	61	57	42	
47	NA	56	58	59	56	44											
48	57	59	60	57	55	57	59	57	NA								
			00	44	22	37	45	42		1.44.5							

Table 22: A40 Western Avenue (westbound) – Average speeds

A40 Western Avenue (westbound)

Run	Α	В	с	D	E	F	G	н	- I	J	к	L	M	N	0	PC	ombined
1	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	NA	NA	NA	NA	NA	NA	
3	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
4	0%	0%	0%	0%	0%	0%	0%	0%	0%	13%	0%	0%	0%	0%	0%	0%	2%
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	0%	0%	0%	0%	0%	5%
6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0%	0%	0%	0%	0%	
7	0%	0%	0%	0%	53%	0%	0%	0%	0%	0%	31%	0%	0%	0%	0%	0%	149
8	0%	0%	0%	0%	32%	0%	0%	0%	0%	0%	40%	0%	0%	0%	0%	0%	129
9	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	09
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0%	0%	0%	0%	0%	
12	23%	2%	0%	0%	0%	7%	0%	0%	NA	NA	NA	NA	NA	NA	NA	NA	
13	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	15%	0%	0%	0%	0%	1%	29
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0%	0%	0%	0%	0%	
15	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	NA	NA	NA	NA	NA	NA	
16	0%	0%	0%	0%	48%	0%	0%	0%	0%	21%	37%	0%	0%	0%	0%	0%	149
17	0%	0%	0%	0%	55%	0%	0%	0%	0%	0%	31%	0%	0%	0%	0%	12%	159
18	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%	39
19	23%	0%	0%	0%	46%	33%	0%	0%	NA	NA	NA	NA	NA	NA	NA	NA	-
20	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	22%	0%	0%	0%	0%	0%	39
21	0%	0%	0%	0%	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	99
22	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	49
23 24	NA 0%	NA	NA	NA	NA	NA	NA	NA	NA 0%	NA	NA	0%	0%	0%	0%	0%	
		0%	0%	0% 0%	48%	0%	0%	0%		NA	NA	NA	NA	NA	NA 0%	NA 0%	40
25 26	7% 0%	14% 0%	0% 0%	0%	0% 51%	0% 0%	0% 0%	0% 0%	0% 0%	0% 0%	0% 25%	0% 0%	0% 0%	0% 0%	0% 0%	0%	49 129
20	0%	0%	0%	0%	45%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	79
28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0%	0%	0%	0%	0%	
29	0%	0%	0%	0%	27%	17%	0%	9%	NA	NA	NA	NA	NA	NA	NA	NA	
30	0%	0%	0%	0%	34%	0%	0%	0%	0%	52%	0%	0%	0%	0%	0%	0%	149
31	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	09
32	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	41%	0%	0%	0%	0%	33%	99
33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0%	0%	0%	0%	0%	5,
34	0%	0%	0%	0%	53%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	119
35	0%	0%	0%	0%	45%	9%	0%	0%	0%	10%	64%	0%	0%	0%	0%	0%	149
36	0%	0%	18%	0%	37%	12%	0%	9%	0%	48%	27%	0%	21%	0%	0%	0%	169
37	0%	0%	0%	0%	8%	0%	0%	0%	0%	0%	28%	0%	0%	0%	0%	0%	49
38	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	0%	0%	0%	0%	28%	79
39	24%	0%	0%	0%	20%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	59
40	0%	0%	0%	0%	16%	0%	0%	0%	0%	0%	18%	0%	0%	0%	0%	0%	49
41	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	46%	0%	0%	0%	0%	0%	89
42	0%	0%	0%	0%	29%	0%	0%	0%	0%	0%	30%	0%	0%	0%	0%	0%	99
43	0%	0%	0%	0%	0%	0%	0%	0%	0%	53%	0%	0%	0%	0%	0%	0%	119
44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0%	0%	0%	0%	0%	
45	0%	0%	0%	0%	58%	0%	0%	0%	NA	NA	NA	NA	NA	NA	NA	NA	
46	0%	0%	0%	0%	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	49
47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0%	0%	0%	0%	0%	
48	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	NA	NA	NA	NA	NA	NA	
oined	7%	1%	1%	0%	30%	7%	0%	2%	0%	12%	23%	0%	1%	0%	0%	3%	89

Table 23: A40 Western Avenue (westbound) – Time spent stationary

A40 Western Avenue (westbound)

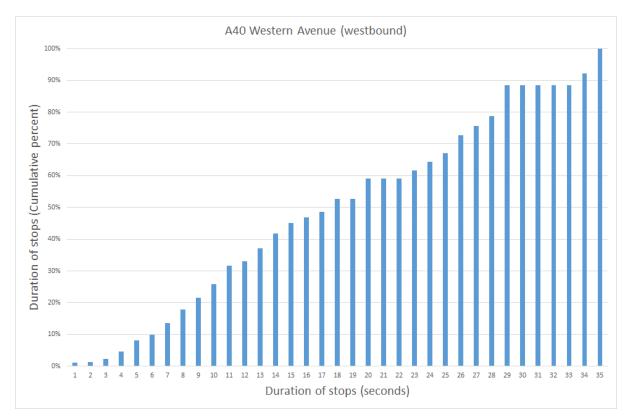


Figure 26: A40 Western Avenue (westbound) – Duration of stops

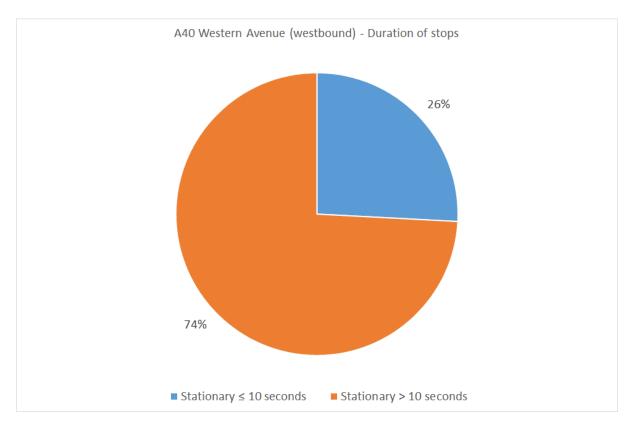


Figure 27: A40 Western Avenue (westbound) – Duration stationary >10 seconds

Table 24: A40 Western Avenue (westbound) – Time spent >20mph

A40 Western Avenue (westbound)

Percentage (%) time spent >30mph (>48.3kph)

s	ection																
Run	Α	В	С	D	E	F	G	н	- I	J	К	L	м	Ν	0	P	Combined
1	51%	100%	75%	1%	0%	0%	0%	10%	100%	61%	0%	0%	0%	0%	0%	0%	19%
2	0%	95%	100%	100%	100%	100%	100%	100%	NA	NA	NA	NA	NA	NA	NA	NA	
3	100%	100%	100%	75%	0%	98%	100%	100%	100%	64%	9%	100%	100%	100%	53%	0%	64%
4	54%	100%	100%	100%	100%	100%	100%	91%	0%	0%	25%	100%	100%	100%	100%	18%	63%
5	100%	100%	100%	100%	38%	100%	100%	100%	100%	48%	25%	100%	100%	100%	100%	52%	78%
6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100%	100%	100%	100%	43%	
7	58%	100%	100%	90%	11%	100%	100%	100%	83%	0%	13%	100%	100%	100%	100%	35%	59%
8	0%	68%	97%	41%	10%	100%	100%	100%	100%	1%	9%	100%	100%	100%	100%	38%	52%
9	100%	100%	55%	0%	0%	24%	100%	100%	14%	0%	0%	0%	0%	0%	0%	43%	21%
10	55%	100%	100%	68%	30%	100%	100%	100%	1%	0%	37%	100%	100%	100%	100%	48%	60%
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100%	99%	76%	60%	0%	
12	0%	0%	0%	0%	0%	25%	100%	100%	NA	NA	NA	NA	NA	NA	NA	NA	
13	0%	24%	100%	100%	100%	100%	81%	57%	13%	0%	14%	100%	100%	100%	47%	0%	46%
14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100%	100%	100%	100%	32%	
15	100%	100%	66%	0%	3%	100%	100%	100%	NA	NA	NA	NA	NA	NA	NA	NA	
16	0%	66%	100%	74%	0%	92%	100%	100%	21%	0%	22%	60%	10%	97%	50%	0%	36%
17	100%	100%	51%	30%	13%	64%	100%	91%	13%	0%	10%	100%	100%	100%	33%	2%	39%
18	38%	81%	62%	100%	100%	100%	100%	100%	83%	0%	24%	100%	100%	100%	55%	0%	61%
19	0%	0%	0%	0%	0%	0%	72%	100%	NA	NA	NA	NA	NA	NA	NA	NA	
20	11%	100%	100%	100%	100%	71%	100%	100%	21%	0%	11%	100%	100%	100%	100%	50%	62%
21	20%	33%	20%	0%	0%	53%	96%	73%	0%	0%	2%	100%	100%	100%	100%	43%	35%
22	0%	0%	0%	1%	39%	84%	90%	90%	19%	0%	17%	0%	0%	0%	0%	0%	18%
23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100%	97%	71%	2%	4%	
24	100%	100%	100%	59%	8%	100%	85%	96%	0%	NA	NA	NA	NA	NA	NA	NA	
25	0%	2%	72%	100%	100%	100%	100%	100%	15%	0%	33%	100%	100%	100%	100%	35%	45%
26	100%	100%	100%	75%	12%	100%	100%	100%	99%	3%	25%	100%	100%	100%	100%	51%	64%
27	100%	100%	100%	68%	15%	100%	100%	100%	39%	0%	0%	96%	100%	100%	100%	49%	55%
28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100%	100%	100%	66%	0%	
29	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	NA	NA	NA	NA	NA	NA	
30	100%	100%	100%	67%	2%	100%	100%	100%	41%	11%	100%	100%	100%	100%	100%	37%	61%
31	0%	18%	52%	0%	0%	44%	100%	76%	0%	0%	14%	100%	100%	100%	100%	51%	40%
32	0%	42%	43%	65%	0%	11%	29%	100%	10%	0%	19%	100%	100%	100%	55%	10%	33%
33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100%	100%	89%	0%	3%	
34	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	71%	16%	0%	10%	0%	4%
35	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	100%	100%	100%	100%	48%	15%
36	0%	0%	0%	0%	0%	0%	0%	0%	6%	0%	0%	4%	0%	0%	0%	0%	0%
37	59%	98%	82%	49%	0%	63%	96%	0%	0%	0%	13%	100%	10%	0%	0%	0%	26%
38	3%	100%	82%	12%	0%	0%	77%	40%	0%	0%	13%	100%	100%	100%	56%	7%	33%
39	0%	3%	23%	22%	0%	0%	18%	65%	0%	1%	96%	100%	100%	100%	100%	28%	29%
40	100%	100%	100%	54%	0%	0%	2%	27%	0%	0%	0%	0%	0%	0%	82%	43%	22%
41	100%	100%	100%	100%	100%	100%	100%	100%	100%	47%	22%	100%	100%	100%	100%	53%	80%
42	100%	100%	100%	20%	1%	93%	100%	100%	100%	17%	21%	100%	100%	100%	62%	0%	54%
43	100%	100%	100%	100%	50%	71%	63%	100%	26%	13%	100%	100%	100%	100%	100%	34%	65%
43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100%	100%	100%	42%	0%	
45	100%	100%	100%	79%	11%	100%	100%	100%	NA	NA	NA	NA	NA	NA	NA	NA	
46	100%	100%	4%	19%	10%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	46%	67%
40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100%	100%	100%	100%	52%	••••
48	100%	100%	100%	100%	100%	100%	100%	100%	NA	NA	NA	NA	NA	NA	NA	NA	
Combined	25%	46%	54%	42%	13%	45%	64%	59%	31%	7%	18%	81%	70%	74%	59%	20%	40%
Somonieu	2070		9470		2070		0-7 70	62/0			20/0	G2 /0			00/0	20/0	

4. Haven Green / The Mall

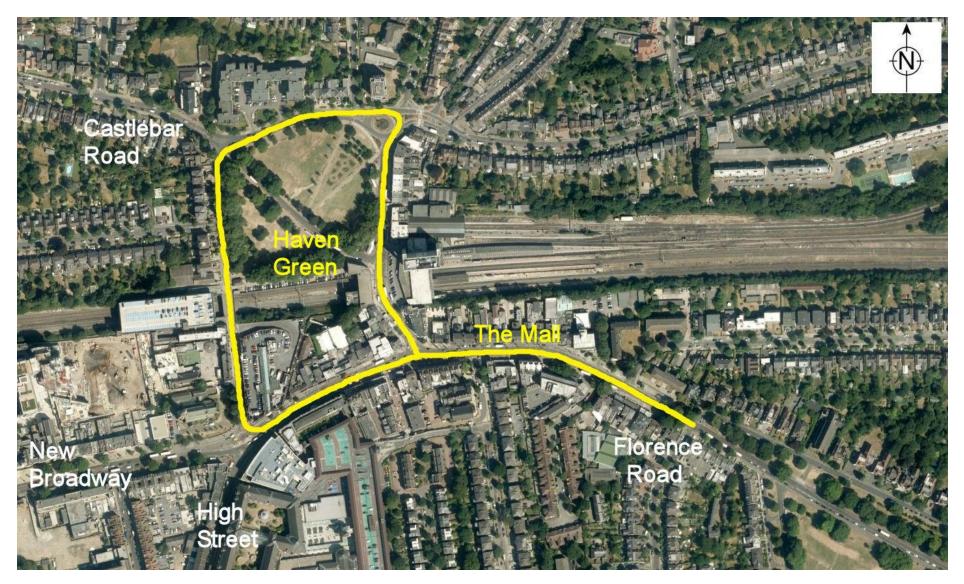


Figure 28: Haven Green / The Mall – Case study area



Figure 29: Haven Green – Sections 'A' to 'H'



Figure 30: The Mall – Sections 'I' to 'K'

Haven Green (clockwise loop)
Journey Time (seconds)
Section

S	ection								
Run	Α	В	С	D	E	F	G	н	Total
1	42.5	47.4	23.3	70.9	17.1	26.6	15.7	36.3	279.8
2	14.9	13.4	27.8	106.1	18.0	14.2	19.7	51.3	265.4
3	12.1	14.8	23.3	38.3	18.4	15.2	18.4	22.6	163.1
4	12.0	22.4	40.8	45.3	22.5	38.5	35.3	15.4	232.2
5	36.4	26.5	25.6	32.0	66.9	20.8	14.5	28.1	250.8
6	13.5	23.9	138.4	77.1	21.2	24.0	14.8	40.5	353.4
7	16.4	16.4	38.2	69.1	33.1	15.9	16.8	23.5	229.4
8	17.6	13.3	30.7	31.9	31.5	14.5	23.1	13.3	175.9
9	12.0	33.3	26.3	108.4	17.2	13.3	22.2	46.1	278.8
10	36.6	44.3	23.3	36.6	17.6	15.9	27.0	16.0	217.3
11	36.7	42.8	30.1	15.0	17.9	18.6	20.5	29.8	211.4
12	NA	NA	NA	71.3	16.9	13.3	27.0	16.8	
13	32.0	43.3	25.2	28.2	16.1	32.3	26.2	66.6	269.9
14	11.9	20.0	22.6	41.1	24.0	23.1	33.5	46.9	223.1
15	15.1	18.0	28.2	46.8	39.1	14.7	13.9	49.9	225.7
16	14.2	24.7	34.6	52.9	16.9	14.5	19.9	52.5	230.2
17	21.7	9.7	32.5	73.8	19.0	14.0	25.6	42.7	239.0
18	13.3	31.8	23.4	59.1	19.6	21.4	23.7	46.6	238.9
19	13.8	12.1	28.8	49.6	16.0	13.8	27.9	79.8	241.8
20	16.8	24.5	25.5	73.5	16.7	13.4	13.9	43.3	227.6
21	15.4	12.0	22.7	62.2	16.1	27.1	23.7	50.2	229.4
22	19.2	52.2	24.7	59.7	26.0	15.0	14.6	14.4	225.8
23	NA	NA	18.1	52.0	21.2	37.7	29.7	21.4	
24	14.7	23.3	25.4	98.9	19.3	16.5	19.4	17.0	234.5
25	13.9	21.8	23.4	61.9	15.8	13.9	15.0	19.3	185.0
26	13.2	16.9	23.8	20.1	17.4	14.6	19.2	34.1	159.3
27	15.9	15.5	27.4	10.1	16.8	13.2	14.7	48.3	161.9
28	12.9	38.9	24.3	71.9	26.3	34.2	24.6	38.7	271.8
29	48.4	19.5	26.8	22.3	16.0	16.0	24.7	45.7	219.4
30	12.3	17.2	23.5	43.3	20.0	36.5	14.9	47.1	214.8
31	17.4	20.7	47.0	41.6	17.9	13.6	16.4	50.0	224.6
32	15.0	20.5	71.4	16.5	18.2	27.8	29.5	30.0	228.9
Mean	19.6	24.7	32.5	52.7	21.8	20.1	21.4	37.0	230.3
Dist. (m)	99	91	206	85	136	87	118	108	931

Table 26: Haven Green (clockwise) – Average speeds

Haven Gree Average spe	ed (kph)	se loop)							
Run	Section A	в	с	D	E	F	G		Combined
Kun 1	9	Б 7	32	4	29	12	27	10	12
2	26	24	26	4	29	23	27	7	12
3	31	24	31	7	27	23	22	, 16	20
4	32	15	17	6	27	8	12	24	14
5	10	13	29	9	7	17	29	13	13
6	28	13	5	4	23	13	29	9	9
7	23	20	19	4	15	21	25	15	14
8	22	24	24	7	16	22	20	27	19
9	31	10	27	3	29	24	23	8	12
10	10	7	31	8	28	21	16	23	15
11	10	8	24	21	27	18	21	12	16
12	NA	NA	NA	2	29	24	15	21	12
13	12	8	29	11	30	10	16	5	12
14	32	16	32	7	21	15	13	7	15
15	25	17	26	7	13	23	31	7	15
16	27	13	21	6	30	21	21	7	15
17	22	17	22	4	26	23	15	8	13
18	29	10	31	5	25	16	18	7	14
19	27	25	25	5	31	24	15	4	14
20	22	13	28	5	30	24	31	8	15
21	24	27	32	3	31	12	18	7	14
22	20	6	29	3	19	22	29	24	14
23	NA	NA	33	6	23	9	14	17	14
24	26	14	28	3	26	21	22	21	14
25	28	13	31	5	31	24	28	18	18
26	29	19	30	17	30	23	22	10	21
27	24	21	26	31	30	24	29	7	20
28	30	8	30	4	19	10	17	9	12
29	8	17	27	14	31	21	17	8	15
30	31	19	30	6	25	9	26	7	14
31	22	16	15	7	27	24	25	8	15
32	25	17	10	20	27	12	14	11	14
Combined	20	13	22	5	23	16	20	10	14

Haven Green (clockwise loop) Percentage (%) time spent stationary

, crocinage	Section	pentotatio							
Run	Α	В	с	D	E	F	G	н	Combined
1	25%	60%	0%	80%	0%	31%	0%	46%	43%
2	0%	0%	0%	77%	0%	0%	0%	63%	43%
3	0%	0%	0%	53%	0%	0%	0%	0%	12%
4	0%	29%	34%	54%	0%	40%	37%	0%	31%
5	54%	38%	0%	43%	47%	0%	0%	33%	33%
6	0%	21%	67%	75%	0%	0%	0%	47%	49 %
7	0%	0%	0%	78%	27%	0%	0%	0%	27%
8	0%	0%	0%	57%	25%	0%	11%	0%	16%
9	0%	24%	0%	75%	0%	0%	0%	57%	42 %
10	49%	59%	0%	55%	0%	0%	0%	0%	30%
11	40%	58%	0%	0%	0%	0%	0%	22%	22%
12	NA	NA	NA	80%	0%	0%	6%	0%	
13	16%	61%	0%	37%	0%	31%	12%	58%	35%
14	0%	21%	0%	58%	0%	0%	20%	59%	28%
15	0%	0%	0%	59%	38%	0%	0%	67%	33%
16	0%	21%	1%	69%	0%	0%	0%	24%	24%
17	0%	0%	0%	73%	0%	0%	30%	57%	36%
18	0%	50%	0%	77%	0%	0%	0%	45%	35%
19	0%	0%	0%	63%	0%	0%	13%	52%	32%
20	0%	9%	0%	78%	0%	0%	0%	55%	37%
21	0%	0%	0%	73%	0%	33%	16%	58%	38%
22	0%	68%	0%	70%	0%	0%	0%	0%	34%
23	NA	NA	0%	68%	0%	24%	33%	0%	0 (
24	0%	11%	0%	73%	0%	0%	0%	0%	32%
25	0%	19%	0%	60%	0%	0%	0%	0%	22%
26	0%	11%	0%	12%	0%	0%	0%	35%	10%
27	0%	0%	0%	0%	0%	0%	0%	65%	19%
28	0%	56%	0%	75%	0%	24%	0%	51%	38%
29	37%	0%	0%	24%	0%	0%	0%	47%	20%
30	0%	0%	0%	52%	0%	24%	0%	61%	28%
31	0%	15%	17%	50%	0%	0%	0%	61%	28%
32 Combined	0%	14%	54%	0%	0%	0%	17%	39%	25%
Combined	15%	32%	15%	66%	9 %	11%	8%	44%	32%

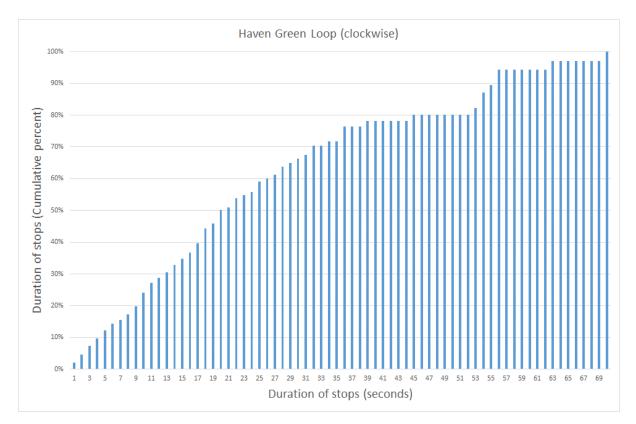


Figure 31: Haven Green (clockwise) – Duration of stops

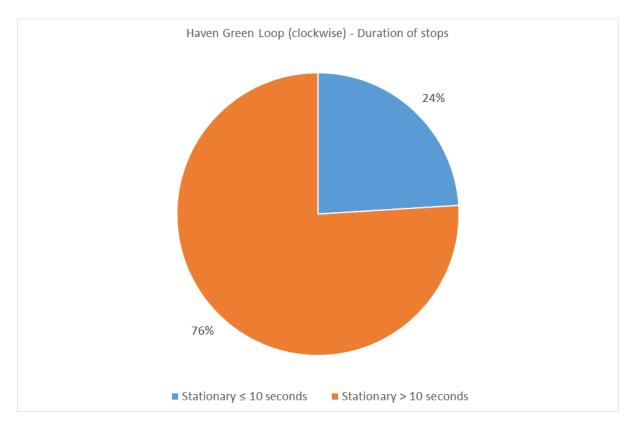


Figure 32: Haven Green (clockwise) – Duration stationary >10 seconds

Haven Green (clockwise loop) Percentage (%) time spent >20mph (>32.2kph)

S	ection			<i>,</i>					
Run	Α	в	с	D	E	F	G	н	Combined
1	0%	0%	65%	7%	33%	0%	0%	0%	9 %
2	0%	0%	2%	0%	0%	0%	0%	0%	0%
3	50%	32%	48%	6%	2%	0%	0%	0%	15%
4	62%	24%	25%	0%	17%	0%	0%	0%	11%
5	9%	20%	27%	0%	0%	0%	3%	0%	6 %
6	7%	0%	0%	0%	0%	0%	1%	0%	0%
7	0%	0%	10%	6%	6%	0%	1%	0%	5%
8	26%	1%	28%	13%	13%	0%	15%	0%	14%
9	53%	2%	14%	0%	35%	0%	0%	0%	6 %
10	10%	0%	66%	1%	21%	0%	0%	0%	11%
11	0%	0%	16%	0%	4%	0%	0%	0%	3%
12	NA	NA	NA	0%	1%	0%	0%	0%	
13	0%	0%	32%	0%	39%	0%	0%	0%	5%
14	51%	25%	65%	6%	0%	0%	0%	0%	13%
15	0%	0%	13%	0%	0%	0%	12%	1%	2%
16	4%	5%	19%	5%	40%	0%	0%	0%	8%
17	0%	0%	0%	0%	0%	0%	19%	0%	2%
18	50%	6%	41%	8%	0%	0%	0%	0%	10 %
19	1%	20%	40%	0%	42%	0%	0%	0%	9 %
20	0%	0%	32%	5%	43%	0%	30%	0%	10%
21	0%	25%	65%	0%	50%	0%	10%	0%	12%
22	0%	0%	43%	1%	0%	0%	4%	0%	5%
23	NA	NA	49%	3%	12%	0%	0%	0%	
24	0%	0%	26%	0%	0%	0%	2%	0%	3%
25	0%	0%	53%	0%	54%	0%	0%	0%	11%
26	38%	31%	42%	17%	14%	0%	0%	0%	16%
27	0%	0%	0%	21%	21%	0%	3%	0%	4%
28	0%	0%	40%	3%	0%	0%	0%	0%	4%
29	0%	0%	17%	2%	36%	0%	0%	0%	5%
30	27%	30%	29%	0%	0%	0%	9%	0%	8%
31	0%	6%	0%	0%	16%	0%	2%	0%	2%
32	12%	28%	2%	0%	7%	0%	0%	0%	5%
Combined	10%	6%	23%	2%	13%	0%	3%	0%	7%

Table 29: The Mall (eastbound) – Journey times

Haven Green - The Mall (eastbound) Journey Time (seconds)

	Section			
Run	- I	J	К	Total
1	11.3	15.2	25.8	52.3
2	11.7	10.5	11.9	34.1
3	28.3	10.8	8.6	47.7
4	29.5	10.1	11.6	51.2
5	11.2	9.8	8.5	29.5
6	14.9	12.7	19.8	47.4
7	17.5	16.3	13.4	47.2
8	35.6	9.9	8.3	53.8
9	17.9	21.1	12.6	51.6
10	18.3	14.5	22.6	55.4
11	65.3	12.2	20.0	97.5
12	18.5	22.0	11.2	51.7
13	12.3	9.9	8.4	30.6
14	11.7	10.8	24.5	47.0
15	13.1	11.3	11.2	35.6
16	14.4	12.9	25.9	53.2
17	11.6	32.3	12.0	55.9
18	19.2	18.3	9.2	46.7
19	13.6	26.7	16.6	56.9
20	12.2	13.9	8.6	34.7
21	13.9	11.4	28.0	53.3
22	15.0	36.3	12.7	64.0
23	31.0	12.5	15.2	58.7
24	12.4	11.7	12.1	36.2
25	15.3	11.2	30.1	56.6
26	14.5	10.5	17.9	42.9
27	11.9	12.7	9.4	34.0
28	12.9	11.4	22.9	47.2
29	26.9	15.3	39.3	81.5
30	11.5	10.3	9.0	30.8
31	16.6	29.2	10.5	56.3
32	27.5	11.0	8.8	47.3
Mean	18.7	15.1	15.8	49.7
Dist. (m)	100	100	97	297

Table 30: The Mall (eastbound) – Average speeds

	Average speed (kph)					
Average sp						
	Section .					
Run	I	J		Combined		
1	32	24	13	20		
2	31	34	29	31		
3	13	33	41	22		
4	12	36	30	21		
5	32	36	41	36		
6	24	28	17	22		
7	20	22	26	22		
8	10	36	42	20		
9	20	17	27	21		
10	20	25	15	19		
11	5	29	17	11		
12	19	16	31	21		
13	29	36	41	35		
14	31	33	14	23		
15	27	32	31	30		
16	25	28	14	20		
17	31	11	29	19		
18	19	20	38	23		
19	26	13	21	19		
20	29	26	41	31		
21	26	31	13	20		
22	24	10	27	17		
23	12	29	23	18		
24	28	31	29	30		
25	23	32	12	19		
26	25	34	20	25		
27	30	28	37	31		
28	28	32	15	23		
29	13	23	9	13		
30	31	35	39	35		
31	21	12	33	19		
32	13	33	40	23		
Combined	19	24	22	21		
		_				

Haven Green - The Mall (eastbound) Average speed (kph)

Haven Green - The Mall (eastbound) Percentage (%) time spent stationary

Section					
Run	1	J	к	Combined	
1	0%	0%	13%	6%	
2	0%	0%	0%	0%	
3	14%	0%	0%	8%	
4	0%	0%	0%	0%	
5	0%	0%	0%	0%	
6	0%	0%	0%	0%	
7	0%	0%	0%	0%	
8	15%	0%	0%	10%	
9	0%	0%	0%	0%	
10	0%	0%	8%	3%	
11	43%	0%	14%	32%	
12	0%	9%	0%	4%	
13	0%	0%	0%	0%	
14	0%	0%	0%	0%	
15	0%	0%	0%	0%	
16	0%	0%	12%	6%	
17	0%	28%	0%	16%	
18	0%	0%	0%	0%	
19	0%	8%	0%	4%	
20	0%	0%	0%	0%	
21	0%	0%	20%	11%	
22	0%	24%	0%	14%	
23	0%	0%	0%	0%	
24	0%	0%	0%	0%	
25	0%	0%	34%	18%	
26	0%	0%	15%	6%	
27	0%	0%	0%	0%	
28	0%	0%	25%	12%	
29	0%	0%	51%	25%	
30	0%	0%	0%	0%	
31	0%	22%	0%	11%	
32	23%	0%	0%	13%	
Combined	7%	6%	11%	8%	

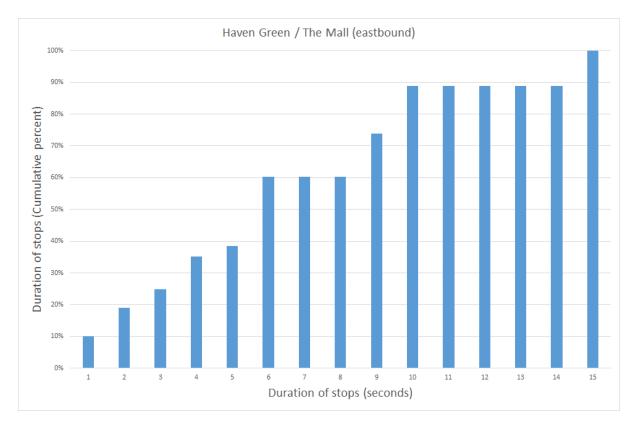


Figure 33: The Mall (eastbound) – Duration of stops

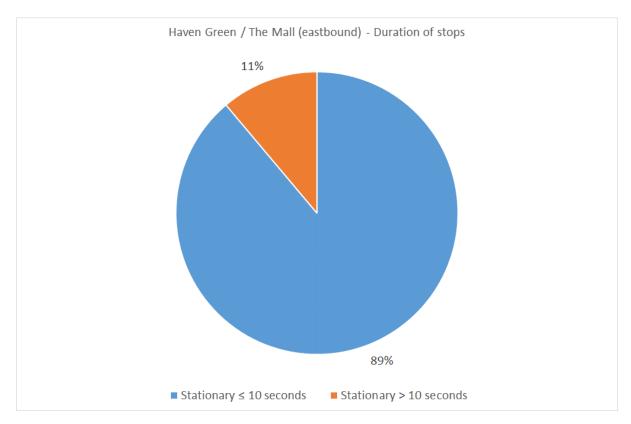


Figure 34: The Mall (eastbound) – Duration stationary >10 seconds

Haven Green - The Mall (eastbound) Percentage (%) time spent >20mph (>32.2kph)

-	Section					
Run		J	к	Combined		
1	59%	34%	0%	23%		
2	44%	93%	39%	58%		
3	0%	56%	100%	31%		
4	0%	80%	35%	24%		
5	63%	100%	100%	86%		
6	0%	0%	1%	0%		
7	0%	0%	14%	4%		
8	0%	79%	100%	30%		
9	0%	0%	30%	7%		
10	0%	0%	0%	0%		
11	0%	21%	4%	3%		
12	0%	0%	38%	8%		
13	10%	93%	100%	61%		
14	48%	69%	0%	28%		
15	0%	55%	19%	23%		
16	0%	0%	0%	0%		
17	46%	0%	43%	19%		
18	0%	19%	100%	27%		
19	0%	0%	0%	0%		
20	36%	30%	100%	50%		
21	0%	52%	0%	11%		
22	0%	0%	25%	5%		
23	0%	0%	22%	6 %		
24	1%	7%	0%	2%		
25	12%	50%	12%	20%		
26	0%	73%	33%	32%		
27	42%	35%	100%	55%		
28	0%	42%	10%	15%		
29	0%	0%	0%	0%		
30	56%	65%	100%	72%		
31	0%	0%	51%	10%		
32	0%	59%	100%	32%		
Combined	8%	25%	26%	19%		

Table 33: The Mall (westbound) – Journey times

Haven Green - The Mall (westbound)
Journey Time (seconds)

:	Section			
Run	1	J	К	Total
1	21.3	9.8	8.1	39.2
2	49.3	11.5	8.4	69.2
3	38.7	11.6	10.8	61.1
4	71.9	9.6	7.9	89.4
5	15.9	10.0	8.8	34.7
6	21.0	10.1	8.5	39.6
7	42.1	18.3	9.5	69.9
8	55.3	10.3	14.1	79.7
9	44.4	9.3	8.3	62.0
10	42.8	41.5	48.0	132.3
11	53.2	39.4	12.7	105.3
12	19.7	18.2	12.5	50.4
13	53.9	12.4	22.0	88.3
14	56.4	36.5	49.4	142.3
15	69.5	70.6	108.0	248.1
16	46.3	56.2	33.3	135.8
17	74.9	38.7	25.3	138.9
18	53.0	31.3	10.1	94.4
19	56.7	55.6	8.7	121.0
20	34.7	12.6	24.9	72.2
21	30.1	10.7	10.2	51.0
22	41.2	11.0	9.4	61.6
23	65.4	14.6	9.3	89.3
24	60.0	9.8	8.4	78.2
25	47.3	10.5	10.4	68.2
26	48.8	12.4	12.1	73.3
27	103.0	78.8	57.0	238.8
28	15.7	9.3	7.5	32.5
29	37.6	42.3	8.2	88.1
30	32.7	9.6	9.0	51.3
Mean	46.8	24.1	19.4	90.2
Dist. (m)	100	100	97	297

Haven Green - The Mall (westbound)
Average speed (kph)

	Section			
Run	1	J	к	Combined
1	17	37	41	27
2	7	31	39	15
3	9	31	31	17
4	5	38	42	12
5	23	36	38	30
6	17	35	39	27
7	8	20	35	15
8	7	35	23	13
9	8	38	40	17
10	8	9	7	8
11	7	9	26	10
12	18	20	26	21
13	7	29	15	12
14	6	10	7	7
15	5	5	3	4
16	8	6	10	8
17	5	9	13	8
18	7	11	33	11
19	6	7	38	9
20	10	28	13	15
21	12	33	33	21
22	9	33	36	17
23	6	24	36	12
24	6	37	39	13
25	8	34	32	15
26	7	29	28	14
27	3	5	6	4
28	23	39	44	32
29	10	9	41	12
30	11	38	36	20
Combined	8	15	17	12

Haven Green - The Mall	(westbound)
Percentage (%) time spe	nt stationary

-	Section			
Run	1	J	к	Combined
1	6%	0%	0%	3%
2	56%	0%	0%	40%
3	33%	0%	0%	21%
4	55%	0%	0%	44%
5	0%	0%	0%	0%
6	12%	0%	0%	7%
7	37%	0%	0%	22%
8	57%	0%	0%	39%
9	57%	0%	0%	41%
10	55%	42%	34%	43%
11	41%	17%	0%	27%
12	0%	0%	0%	0%
13	57%	0%	25%	41%
14	54%	0%	7%	24%
15	51%	41%	51%	48%
16	37%	29%	37%	33%
17	56%	37%	37%	47%
18	52%	12%	0%	33%
19	48%	30%	0%	36%
20	44%	0%	26%	30%
21	0%	0%	0%	0%
22	49%	0%	0%	33%
23	51%	0%	0%	37%
24	51%	0%	0%	39%
25	46%	0%	0%	32%
26	47%	0%	0%	31%
27	55%	43%	50%	50%
28	0%	0%	0%	0 %
29	49%	61%	0%	50%
30	50%	0%	0%	32%
Combined	46%	23%	23%	35%

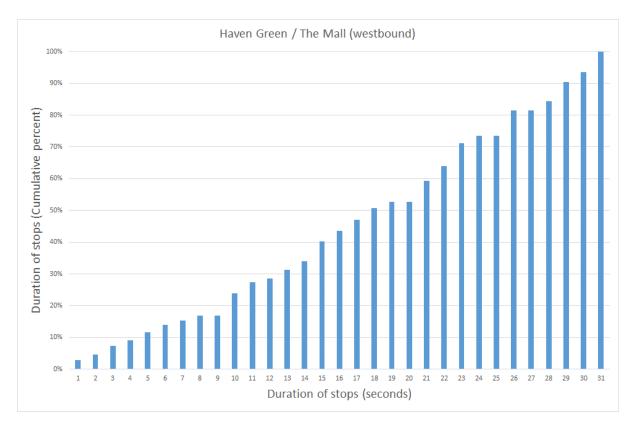


Figure 35: The Mall (westbound) – Duration of stops

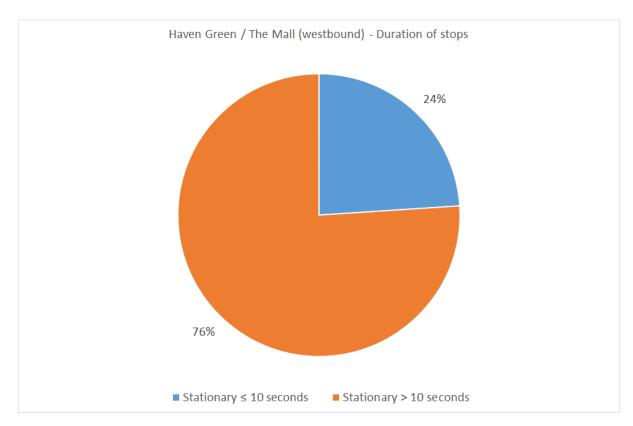


Figure 36: The Mall (westbound) – Duration stationary >10 seconds

Haven Green - The Mall (westbound)
Percentage (%) time spent >20mph (>32.2kph)

Section											
Run	1	J	к	Combined							
1	15%	100%	100%	54%							
2	3%	38%	100%	21%							
3	0%	44%	31%	14%							
4	0%	86%	100%	18%							
5	8%	100%	100%	58%							
6	15%	100%	100%	55%							
7	0%	0%	82%	11%							
8	0%	91%	23%	16%							
9	7%	100%	100%	33%							
10	0%	0%	0%	0%							
11	0%	0%	0%	0%							
12	0%	0%	0%	0%							
13	0%	53%	2%	8%							
14	0%	0%	0%	0%							
15	0%	0%	0%	0%							
16	0%	0%	0%	0%							
17	0%	7%	10%	4%							
18	0%	0%	55%	6%							
19	0%	0%	100%	7%							
20	0%	0%	0%	0%							
21	0%	91%	58%	31%							
22	1%	62%	73%	23%							
23	0%	3%	100%	11%							
24	0%	87%	100%	22%							
25	0%	72%	52%	19%							
26	0%	37%	9%	8%							
27	0%	0%	0%	0%							
28	13%	% 81% 100%		52%							
29	0%	13%	100%	16%							
30	16%	100%	100%	47%							
Combined	1%	19 %	25%	11%							

5. Western Road, Southall



Figure 37: Western Road, Southall – Case study area



Figure 38: Western Road, Southall – Sections 'A' to 'F'



Figure 39: Western Road, Southall – Sections 'F' to 'K'

Journey Tim	e (seconds	5)										
Se	ection											
Run	Α	В	С	D	E	F	G	н	1	J	К	Total
1	4.5	10.2	13.3	106.3	58.3	9.2	12.9	20.2	16.5	10.2	42.8	304.4
2	4.8	11.0	38.7	104.4	60.7	10.2	14.4	14.7	26.0	12.2	76.1	373.2
3	4.2	9.6	68.5	83.5	58.6	10.0	13.9	21.2	12.6	10.9	31.5	324.5
4	26.0	40.1	54.3	110.9	48.9	8.9	11.6	13.9	11.0	11.2	109.4	446.2
5	4.7	11.8	11.2	63.9	13.4	11.5	23.8	20.3	34.7	12.0	81.2	288.5
6	4.7	18.1	63.4	62.0	52.5	8.8	11.6	12.1	12.1	10.6	46.7	302.6
7	4.3	9.6	81.8	71.6	56.0	8.8	11.3	20.2	12.1	11.0	27.3	314.0
8	5.1	63.7	43.0	78.6	21.8	13.5	15.8	20.9	13.3	14.0	53.5	343.2
9	4.5	10.8	72.0	94.5	123.6	10.2	13.1	14.8	15.1	12.5	46.5	417.6
10	4.4	9.7	27.4	74.7	61.4	10.6	15.6	15.1	12.6	12.8	125.3	369.6
11	4.2	9.3	12.3	82.1	62.0	8.8	13.0	21.9	13.4	10.7	55.7	293.4
12	11.5	107.0	113.9	62.6	55.8	10.1	14.1	23.6	28.6	24.3	114.4	565.9
Mean	6.9	25.9	50.0	82.9	56.1	10.1	14.3	18.2	17.3	12.7	67.5	361.9
Dist. (m)	42	100	100	100	100	100	100	100	100	100	100	1042

Table 37: Western Road, Southall (eastbound) – Journey times

Western Road (eastbound) Journey Time (seconds)

78

Table 38: Western Road, Southall (eastbound) – Average speeds

Western Road (eastbound)

Average speed (kph)

Run	Α	В	С	D	E	F	G	н	1	J	K	Combined	
1	31	35	27	3	6	35	30	18	22	35	8	12	
2	29	33	9	3	6	33	27	24	14	30	5	10	
3	33	38	5	4	6	33	28	17	29	33	11	12	
4	6	9	7	3	8	37	34	26	33	32	3	8	
5	30	31	32	6	27	29	16	18	10	30	5	13	
6	30	20	6	6	7	37	34	29	30	34	8	12	
7	32	38	4	5	6	37	34	18	30	33	13	12	
8	28	6	8	5	16	25	24	17	27	26	7	11	
9	32	33	5	4	3	32	30	24	24	29	8	9	
10	32	37	13	5	6	30	26	24	29	28	3	10	
11	33	39	29	4	6	36	31	16	27	34	6	13	
12	12	3	3	6	7	32	28	15	13	15	3	7	
Combined	20	14	7	4	6	32	28	20	21	28	5	10	

Table 39: Western Road, Southall (eastbound) – Time spent stationary

Western Road (eastbound)

Percentage (%) time spent stationary

Run	Α	В	С	D	E	F	G	н		J	K	Combined
1	0%	0%	0%	56%	67%	0%	0%	0%	0%	0%	59%	41%
2	0%	0%	51%	64%	55%	0%	0%	0%	1%	0%	63%	45%
3	0%	0%	18%	31%	56%	0%	0%	0%	0%	0%	35%	25%
4	5%	0%	24%	52%	45%	0%	0%	0%	0%	0%	71%	39%
5	0%	0%	0%	36%	0%	0%	0%	0%	0%	0%	71%	28%
6	0%	0%	32%	31%	68%	0%	0%	0%	0%	0%	59%	34%
7	0%	0%	49%	49%	68%	0%	0%	0%	0%	0%	38%	40%
8	0%	20%	0%	49%	0%	0%	0%	0%	0%	0%	60%	24%
9	0%	0%	40%	65%	72%	0%	0%	0%	0%	0%	61%	50%
10	0%	0%	10%	66%	45%	0%	0%	0%	0%	0%	79%	48%
11	0%	0%	0%	61%	63%	0%	0%	0%	0%	0%	66%	43%
12	0%	46%	56%	52%	62%	0%	0%	0%	19%	15%	73%	48%
Combined	2%	20%	34%	52%	58%	0%	0%	0%	3%	2%	66%	40%

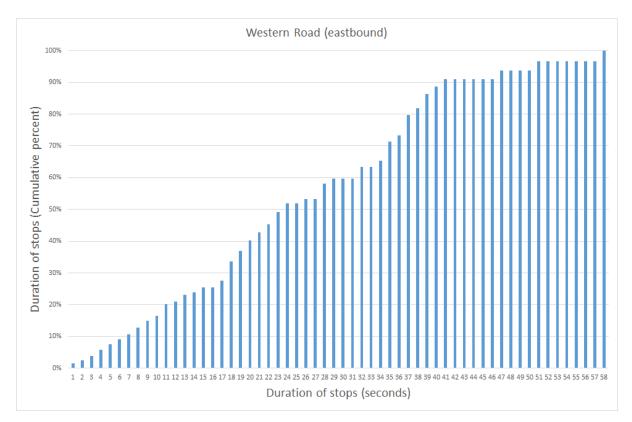


Figure 40: Western Road, Southall (eastbound) – Duration of stops

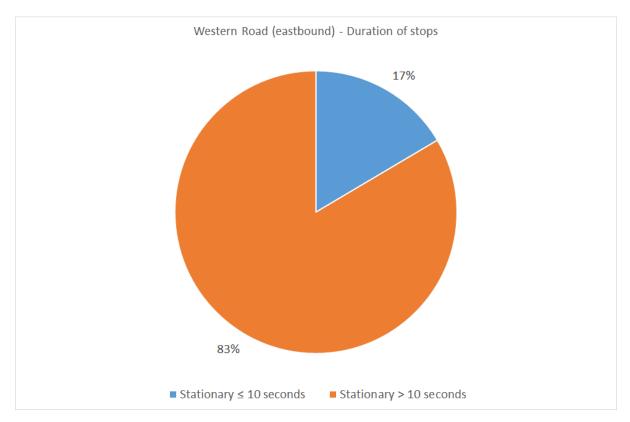


Figure 41: Western Road, Southall (eastbound) – Duration stationary >10 seconds

Table 40: Western Road, Southall (eastbound) – Time spent >20mph

Western Road (eastbound)

Percentage (%) time spent >20mph (>32.2kph)

	36	cuon											
	Run	Α	В	С	D	E	F	G	н	- E	J	КС	ombined
	1	29%	90%	0%	0%	2%	100%	26%	0%	0%	93%	10%	12%
	2	0%	72%	2%	0%	0%	62%	26%	10%	0%	25%	0%	6%
	3	50%	100%	0%	0%	1%	77%	6%	0%	0%	70%	5%	9%
	4	0%	0%	0%	0%	9%	52%	75%	6%	55%	41%	0%	6%
	5	2%	36%	67%	0%	0%	11%	0%	0%	0%	47%	3%	7%
	6	4%	15%	0%	0%	12%	94%	80%	10%	9%	74%	6%	13%
	7	49%	95%	0%	0%	8%	84%	87%	0%	29%	67%	18%	15%
	8	0%	0%	0%	0%	0%	4%	1%	0%	0%	2%	0%	0%
	9	33%	69%	0%	0%	0%	43%	25%	0%	0%	4%	0%	4%
	10	52%	100%	20%	0%	0%	3%	0%	0%	10%	41%	1%	7%
	11	45%	100%	57%	0%	3%	100%	44%	0%	0%	83%	2%	15%
	12	0%	0%	0%	0%	0%	17%	1%	0%	0%	0%	0%	0%
Co	mbined	14%	22%	3%	0%	3%	50%	26 %	2%	6 %	40 %	2%	7%

Table 41: Western Road, Southall (westbo	ound) – Journey times

Western Road (westbound)

Journey Time (seconds)

Run	Α	в	с	D	E	F	G	н	1	J	к	Total
1	5.9	9.0	10.3	10.4	12.1	38.8	12.0	23.0	14.2	17.1	16.2	169.0
2	15.9	13.3	14.8	12.6	18.9	57.9	35.4	14.1	13.0	12.4	13.2	221.5
3	7.7	11.4	12.8	52.6	16.2	159.3	29.1	31.1	11.5	14.7	18.5	364.9
4	11.8	13.1	20.3	15.4	32.4	49.1	16.3	17.5	10.1	10.0	12.4	208.4
5	6.8	10.3	12.8	27.7	22.0	100.6	14.6	21.5	13.6	19.9	11.5	261.3
6	7.0	9.8	11.0	25.9	13.1	18.2	11.0	14.6	11.2	11.9	10.9	144.6
7	5.5	9.8	10.8	11.0	13.7	58.5	55.1	13.7	10.3	10.1	10.8	209.3
8	8.8	9.4	10.1	10.6	13.2	58.1	43.2	14.6	13.1	21.7	11.3	214.1
9	23.2	11.4	13.0	13.2	24.8	19.1	15.2	15.5	19.8	57.9	17.7	230.8
10	25.4	10.6	11.5	16.9	23.2	64.6	41.1	14.7	9.9	9.4	11.4	238.7
11	4.9	10.0	10.6	11.0	14.6	70.8	30.9	14.7	11.7	12.8	11.4	203.4
12	7.0	11.2	12.6	16.9	23.7	29.1	11.7	22.4	10.9	11.2	11.3	168.0
Mean	10.8	10.8	12.6	18.7	19.0	60.3	26.3	18.1	12.4	17.4	13.1	219.5
Dist. (m)	42	100	100	100	100	100	100	100	100	100	100	1042

Western Ro	-	ound)										
Average sp	Section											
Run		в	с	D	E	F	G	н			v	Combined
	Α									,		
1	26	40	35	35	31	8	32	16	25	21	21	22
2	10	27	24	28	20	6	10	26	28	29	27	17
3	20	32	28	7	23	2	13	12	31	24	19	10
4	13	27	18	23	10	6	22	21	36	36	30	18
5	22	35	28	13	17	3	26	17	26	18	31	14
6	22	37	33	13	29	20	33	25	32	31	32	26
7	28	37	33	33	27	6	6	26	35	36	33	18
8	17	38	36	34	28	6	9	25	28	16	31	17
9	7	31	28	27	15	18	24	23	18	6	20	16
10	6	34	31	21	16	5	9	25	37	38	31	16
11	32	36	34	33	25	5	12	25	31	28	31	18
12	22	32	29	21	15	12	32	16	33	32	32	22
Combined	14	33	29	19	19	6	14	20	29	21	27	17

Table 42: Western Road, Southall (westbound) – Average speeds

Table 43: Western Road, Southall (westbound) – Time spent stationary

Western Road (westbound)

Percentage (%) time spent stationary

Run	Α	В	С	D	E	F	G	н	1	J	к	Combined
1	0%	0%	0%	0%	0%	53%	0%	0%	0%	0%	0%	12%
2	0%	0%	0%	0%	0%	59%	29%	0%	0%	0%	0%	20%
3	0%	0%	0%	56%	0%	82%	21%	25%	0%	0%	0%	48%
4	14%	0%	0%	0%	14%	60%	0%	0%	0%	0%	0%	17%
5	0%	0%	0%	22%	0%	67%	0%	11%	0%	0%	0%	29%
6	0%	0%	0%	28%	0%	0%	0%	0%	0%	0%	0%	5%
7	0%	0%	0%	0%	0%	63%	68%	0%	0%	0%	0%	35%
8	0%	0%	0%	0%	0%	65%	59%	0%	0%	6%	0%	30%
9	38%	0%	0%	0%	2%	0%	0%	0%	0%	36%	0%	13%
10	31%	0%	0%	0%	13%	66%	41%	0%	0%	0%	0%	30%
11	0%	0%	0%	0%	0%	70%	29%	0%	0%	0%	0%	29%
12	0%	0%	0%	0%	11%	40%	0%	13%	0%	0%	0%	10%
ombined	14%	0%	0%	19%	5%	63%	33%	6%	0%	11%	0%	25%

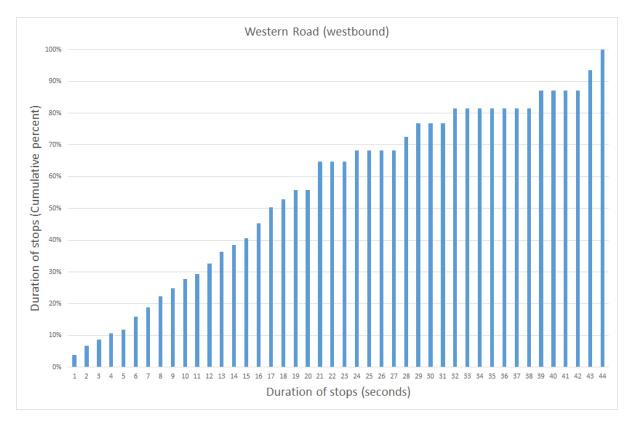


Figure 42: Western Road, Southall (westbound) – Duration of stops

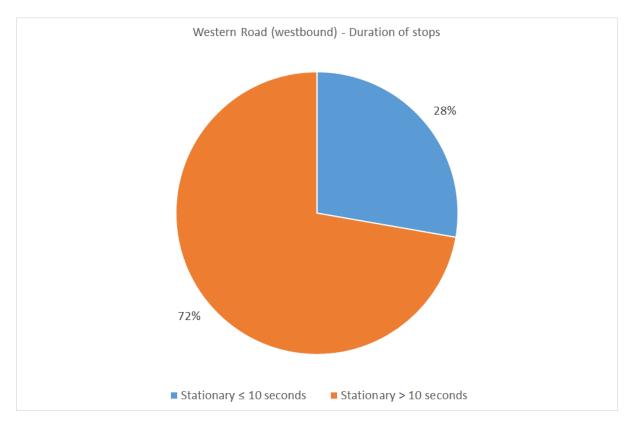


Figure 43: Western Road, Southall (westbound) – Duration stationary >10seconds

Table 44: Western Road, Southall (westbound) – Time spent >20mph

Western Road (westbound)

Percentage (%) time spent >20mph (>32.2kph)

	36	cuon											
	Run	Α	В	С	D	E	F	G	н	- I	J	кс	Combined
	1	19%	100%	100%	100%	4%	0%	62%	0%	0%	0%	0%	23%
	2	0%	30%	0%	29%	0%	0%	0%	0%	0%	8%	1%	4%
	3	4%	54%	0%	0%	0%	0%	0%	0%	56%	29%	20%	6%
	4	0%	0%	0%	0%	0%	4%	4%	0%	74%	94%	52%	12%
	5	0%	98%	2%	0%	0%	0%	12%	0%	0%	31%	52%	9%
	6	19%	100%	77%	0%	19%	0%	64%	15%	55%	39%	61%	34%
	7	5%	100%	71%	58%	26%	0%	12%	19%	83%	72%	59%	28%
	8	2%	100%	100%	93%	0%	0%	4%	0%	0%	12%	52%	18%
	9	0%	23%	1%	1%	0%	1%	0%	0%	0%	1%	2%	2%
	10	0%	78%	25%	0%	0%	0%	0%	0%	82%	100%	49%	14%
	11	33%	100%	90%	54%	0%	0%	0%	1%	46%	41%	49%	21%
	12	0%	50%	0%	0%	0%	6%	39%	2%	74%	60%	58%	20%
Comb	ined	4%	66 %	33%	16%	3%	1%	9%	2%	34%	27%	34%	14%