

APPENDIX D. Traffic Survey Data

Intelligent Data - Automatic Traffic Count Output

Period Commencing: 19/11/2018
Road Name: Chalcraft Lane

Prepared by: Samiah Ashfaque
Checked by: Luke Martin



Speed Summary Data

A-B Direction

Date	Mean Speed (mph)	85%ile Speed (mph)
19/11/2018	28.3	32.4
20/11/2018	28.7	32.8
21/11/2018	29.1	33.3
22/11/2018	28.8	33.1
23/11/2018	28.7	33.2
24/11/2018	29.7	34.3
25/11/2018	30.2	34.7
26/11/2018	29.0	33.2
27/11/2018	31.6	37.3
28/11/2018	-	-
29/11/2018	-	-
30/11/2018	-	-
01/12/2018	-	-
02/12/2018	-	-

B-A Direction

Date	Mean Speed (mph)	85%ile Speed (mph)
19/11/2018	29.3	33.1
20/11/2018	29.3	32.9
21/11/2018	29.6	33.4
22/11/2018	29.6	33.5
23/11/2018	29.6	33.6
24/11/2018	30.4	34.5
25/11/2018	31.1	35.5
26/11/2018	29.7	33.6
27/11/2018	34.1	41.1
28/11/2018	-	-
29/11/2018	-	-
30/11/2018	-	-
01/12/2018	-	-
02/12/2018	-	-

These speeds represent those which are between 1%-10% above the posted speed limit

These speeds represent those which are between 10%-20% above the posted speed limit

These speeds represent those which are over 20% above the posted speed limit

Intelligent Data - Automatic Traffic Count Output



Period Commencing: 19/11/2018

Road Name: Chalcraft Lane

Flow from : Stroud Green Drive (S)

Vehicle Classification: All Vehicles

to: Ffairfach Close (N)

Prepared by: Samiah Ashfaque

Checked by: Luke Martin

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Hour Ending	19/11/2018	20/11/2018	21/11/2018	22/11/2018	23/11/2018	24/11/2018	25/11/2018	26/11/2018	27/11/2018	28/11/2018	29/11/2018	30/11/2018	01/12/2018	02/12/2018
01:00	*	18	15	16	16	38	68	12	18	*	*	*	*	*
02:00	*	9	9	11	7	19	34	6	5	*	*	*	*	*
03:00	*	8	7	4	4	17	18	4	8	*	*	*	*	*
04:00	*	13	16	20	22	18	19	17	16	*	*	*	*	*
05:00	*	38	31	35	37	19	15	29	34	*	*	*	*	*
06:00	*	163	155	167	155	86	52	148	148	*	*	*	*	*
07:00	*	397	385	361	357	145	76	362	390	*	*	*	*	*
08:00	*	579	614	586	557	234	123	533	*	*	*	*	*	*
09:00	*	606	667	662	604	448	197	620	*	*	*	*	*	*
10:00	*	626	603	600	600	587	485	599	*	*	*	*	*	*
11:00	*	600	600	600	608	606	600	568	*	*	*	*	*	*
12:00	524	517	563	524	569	600	602	542	*	*	*	*	*	*
13:00	514	451	533	531	571	599	631	498	*	*	*	*	*	*
14:00	499	533	497	540	481	487	523	518	*	*	*	*	*	*
15:00	523	530	539	506	625	508	406	600	*	*	*	*	*	*
16:00	523	506	555	595	600	427	385	600	*	*	*	*	*	*
17:00	577	588	556	609	608	388	388	597	*	*	*	*	*	*
18:00	600	590	600	600	600	388	274	600	*	*	*	*	*	*
19:00	442	454	440	441	458	370	277	405	*	*	*	*	*	*
20:00	280	309	311	312	295	268	204	288	*	*	*	*	*	*
21:00	174	169	170	179	204	182	124	178	*	*	*	*	*	*
22:00	108	143	142	136	134	127	68	134	*	*	*	*	*	*
23:00	76	74	99	102	88	117	80	62	*	*	*	*	*	*
00:00	38	42	46	63	68	82	35	44	*	*	*	*	*	*
Summary Data														
0700-1900	4242	6656	6785	6908	7038	5653	4901	6698	0	0	0	0	0	0
0600-2200	4804	7674	7793	7896	8028	6375	5373	7660	390	0	0	0	0	0
0600-0000	4918	7790	7938	8061	8184	6574	5488	7766	390	0	0	0	0	0
0000-0000	4918	8039	8171	8314	8425	6771	5694	7982	619	0	0	0	0	0
0700-1000	0	1901	1884	1938	1854	1239	785	1752	0	0	0	0	0	0
1600-1900	1643	1639	1638	1676	1679	1146	886	1614	0	0	0	0	0	0
Peak Hour Analysis														
07:00-10:00	8	600	600	600	600	600	600	600	0	0	0	0	0	0
16:00-19:00	523	595	600	600	600	600	600	600	0	0	0	0	0	0
18:00-19:00	523	595	600	600	600	600	600	600	0	0	0	0	0	0

Note: Peak Hour Analysis calculates and then highlights the highest flow within the period listed

Intelligent Data - Automatic Traffic Count Output



Period Commencing: 19/11/2018

Road Name: Chalcraft Lane

Flow from : Ffairfach Close (N)

Vehicle Classification: All Vehicles

to: Stroud Green Drive (S)

Prepared by: Samiah Ashfaque

Checked by: Luke Martin

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Hour Ending	19/11/2018	20/11/2018	21/11/2018	22/11/2018	23/11/2018	24/11/2018	25/11/2018	26/11/2018	27/11/2018	28/11/2018	29/11/2018	30/11/2018	01/12/2018	02/12/2018
01:00	*	35	44	35	41	65	52	22	43	*	*	*	*	*
02:00	*	10	16	16	6	23	48	10	16	*	*	*	*	*
03:00	*	9	4	10	11	26	27	10	6	*	*	*	*	*
04:00	*	5	10	11	10	12	22	6	8	*	*	*	*	*
05:00	*	9	10	12	17	14	9	18	12	*	*	*	*	*
06:00	*	47	53	43	52	39	41	52	52	*	*	*	*	*
07:00	*	172	151	170	130	67	56	161	144	*	*	*	*	*
08:00	*	423	495	445	414	131	87	499	*	*	*	*	*	*
09:00	*	546	563	582	548	265	129	548	*	*	*	*	*	*
10:00	*	447	442	514	477	275	221	432	*	*	*	*	*	*
11:00	*	468	516	484	518	547	435	460	*	*	*	*	*	*
12:00	544	506	649	541	563	617	530	548	*	*	*	*	*	*
13:00	608	606	641	584	653	638	884	585	*	*	*	*	*	*
14:00	573	559	563	582	686	622	620	597	*	*	*	*	*	*
15:00	631	569	632	636	663	567	569	673	*	*	*	*	*	*
16:00	755	753	750	681	763	589	565	758	*	*	*	*	*	*
17:00	748	747	738	740	787	587	583	747	*	*	*	*	*	*
18:00	690	648	735	782	753	548	345	686	*	*	*	*	*	*
19:00	438	532	552	563	573	422	296	551	*	*	*	*	*	*
20:00	371	400	415	395	440	316	214	386	*	*	*	*	*	*
21:00	229	253	243	267	259	202	142	238	*	*	*	*	*	*
22:00	183	159	173	193	178	138	93	210	*	*	*	*	*	*
23:00	89	110	154	161	130	127	56	94	*	*	*	*	*	*
00:00	48	68	79	84	110	110	49	59	*	*	*	*	*	*
Summary Data														
0700-1900	4989	6779	7337	7069	7318	5906	4940	7044	0	0	0	0	0	0
0600-2200	5772	7763	8319	8094	8325	6629	5445	8039	144	0	0	0	0	0
0600-0000	5909	7941	8552	8339	8565	6866	5550	8192	144	0	0	0	0	0
0000-0000	5909	8056	8689	8466	8702	7045	5749	8310	281	0	0	0	0	0
0700-1000	0	1436	1520	1517	1439	771	447	1477	0	0	0	0	0	0
1600-1900	1868	1926	2066	2044	2087	1557	1130	1948	0	0	0	0	0	0
Peak Hour Analysis														
07:00-10:00	0	562	683	582	618	275	231	545	0	0	0	0	0	0
16:00-19:00	755	753	750	681	763	589	565	758	0	0	0	0	0	0
18:00-19:00	748	747	738	740	787	587	583	747	0	0	0	0	0	0

Note: Peak Hour Analysis calculates and then highlights the highest flow within the period listed

APPENDIX E. Distribution and Assignment

Route 1	HW 44%	Gravety 56%	Total
Chalcraft Lane	32.2%	32.5%	64.7%
Chalcraft Lane	11.8%	23.5%	35.3%
Total	44.0%	56.0%	100.0%

Route 2	HW 44%	Gravety 56%	Total
Chalcraft Lane	31.3%	30.0%	61.2%
Chalcraft Lane	8.9%	11.5%	20.5%
W Meads Drive	2.8%	12.0%	14.8%
Central Drive	1.0%	2.5%	3.5%
Total	44%	56%	100%

Route 3	HW 44%	Gravety 56%	Total
B2166 S	2.6%	5.0%	7.7%
B2166 W	0.2%	6.9%	7.1%
B2259 N	15.8%	7.6%	23.4%
Central Avenue	2.6%	5.0%	7.7%
Chichester Road	1.3%	2.2%	3.6%
Hewarts Lane S	0.7%	1.7%	2.4%
Lower Bognor Road	7.6%	1.8%	9.4%
Lower Bognor Road	0.6%	8.1%	8.7%
Bersted Street	8.6%	5.9%	14.4%
Greencourt Drive	1.0%	2.5%	3.5%
Central Avenue	1.0%	2.5%	3.5%
Bedford Avenue	1.0%	2.5%	3.5%
B2259 S	1.0%	4.2%	5.2%
Total	44%	56%	100.0%

Route 4	HW 44%	Gravety 56%	Total
A259 N	13.6%	2.6%	16.2%
Aldwick Road S	0.8%	15.0%	15.8%
Greencourt Drive	2.6%	5.0%	7.7%
Hotham Way S	1.3%	2.2%	3.6%
LIN	17.0%	25.3%	42.2%
Rowan Way E	8.6%	5.9%	14.4%
Total	44%	56%	100.0%

Route 5	HW 44%	Gravety 56%	Total
Collier Avenue	2.6%	5.0%	7.7%
Cossamer Lane	0.8%	15.0%	15.8%
LIN	40.5%	36.0%	76.5%
Total	44%	56%	100.0%

Route 6	HW 44%	Gravety 56%	Total
LIN	44.0%	56.0%	100.0%
Total	0.0%	0.0%	100.0%

Description of Route and of Development Site		% Traffic	Vehicle Movements		
			In	Out	Two-Way
Morning Peak					
First Route	Chalcraft Lane N	64.7%	17	46	63
	Chalcraft Lane S	35.3%	9	25	34
Second Route	Chalcraft Lane N	61.2%	16	43	59
	Chalcraft Lane S	20.5%	5	15	20
	W Meads Drive S	14.8%	4	10	14
	Central Drive	3.5%	1	2	3
Third Route	B2166 S	7.7%	2	5	7
	B2166 W	7.1%	2	5	7
	B2259 N	23.4%	6	17	23
	Central Avenue S	11.2%	3	8	11
	Greencourt Drive	3.5%	1	2	3
	Bedford Avenue	3.5%	1	2	3
	Chichester Road S	8.7%	2	6	8
	Hewarts Lane S	2.4%	1	2	2
	Lower Bognor Road N	9.4%	2	7	9
	Lower Bognor Road S	8.7%	2	6	8
N Bersted Street N	14.4%	4	10	14	
Evening Peak					
First Route	Chalcraft Lane N	64.7%	43	16	60
	Chalcraft Lane S	35.3%	24	9	33
Second Route	Chalcraft Lane N	61.2%	41	15	56
	Chalcraft Lane S	20.5%	14	5	19
	W Meads Drive S	14.8%	10	4	14
	Central Drive	3.5%	2	1	3
Third Route	B2166 S	7.7%	5	2	7
	B2166 W	7.1%	5	2	7
	B2259 N	23.4%	16	6	22
	Central Avenue S	11.2%	7	3	10
	Greencourt Drive	3.5%	2	1	3
	Bedford Avenue	3.5%	2	1	3
	Chichester Road S	8.7%	6	2	8
	Hewarts Lane S	2.4%	2	1	2
	Lower Bognor Road N	9.4%	6	2	9
	Lower Bognor Road S	8.7%	6	2	8
N Bersted Street N	14.4%	10	4	13	

Time	Trip Rate (per dwelling)		
	Arrival	Departure	Residing
Residential – Weekday Morning Peak	0.115	0.315	0.43
Residential – Weekday Evening Peak	0.298	0.112	0.41

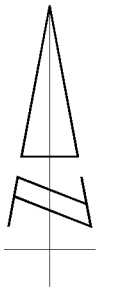
Time	Trip Generation (226 dwellings)		
	Arrival	Departure	Residing
Residential – Weekday Morning Peak	26	71	97
Residential – Weekday Evening Peak	67	25	92

APPENDIX F. Junction Geometry Drawings

20m - 3.2m

Forward Visibility - 146.7 (Edge of Mapping)

Carriageway Width - 7.7m



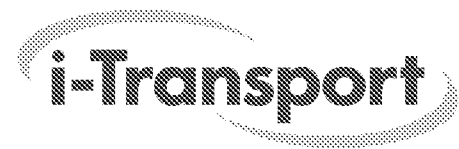
20m - 4.5m

Forward Visibility - 172.5m (Edge of Mapping)

Carriageway Width - 7.7m

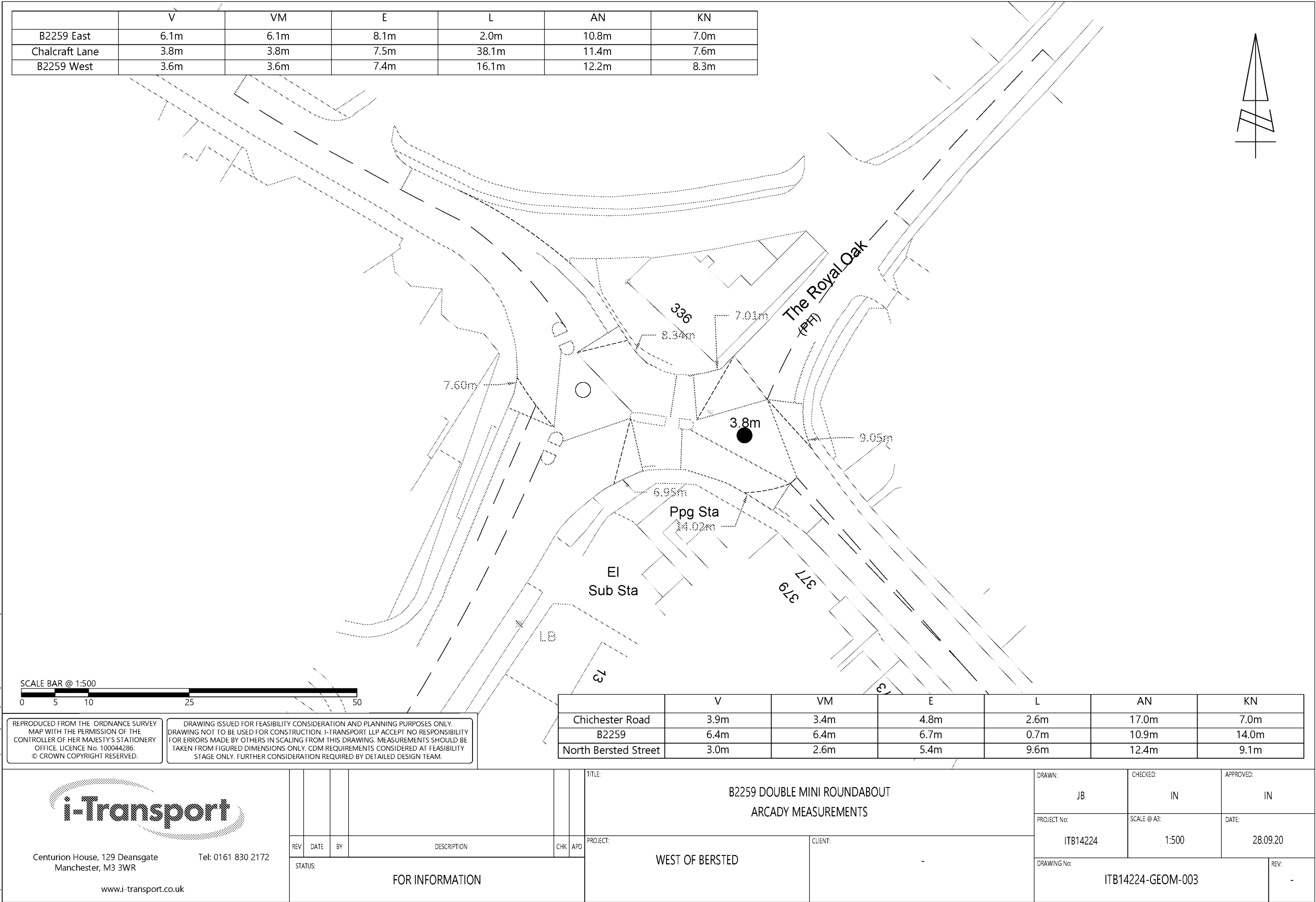
Frequency Range	Percentage
0-10	25%
10-25	25%
25-50	25%
50-100	25%

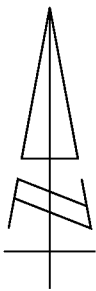
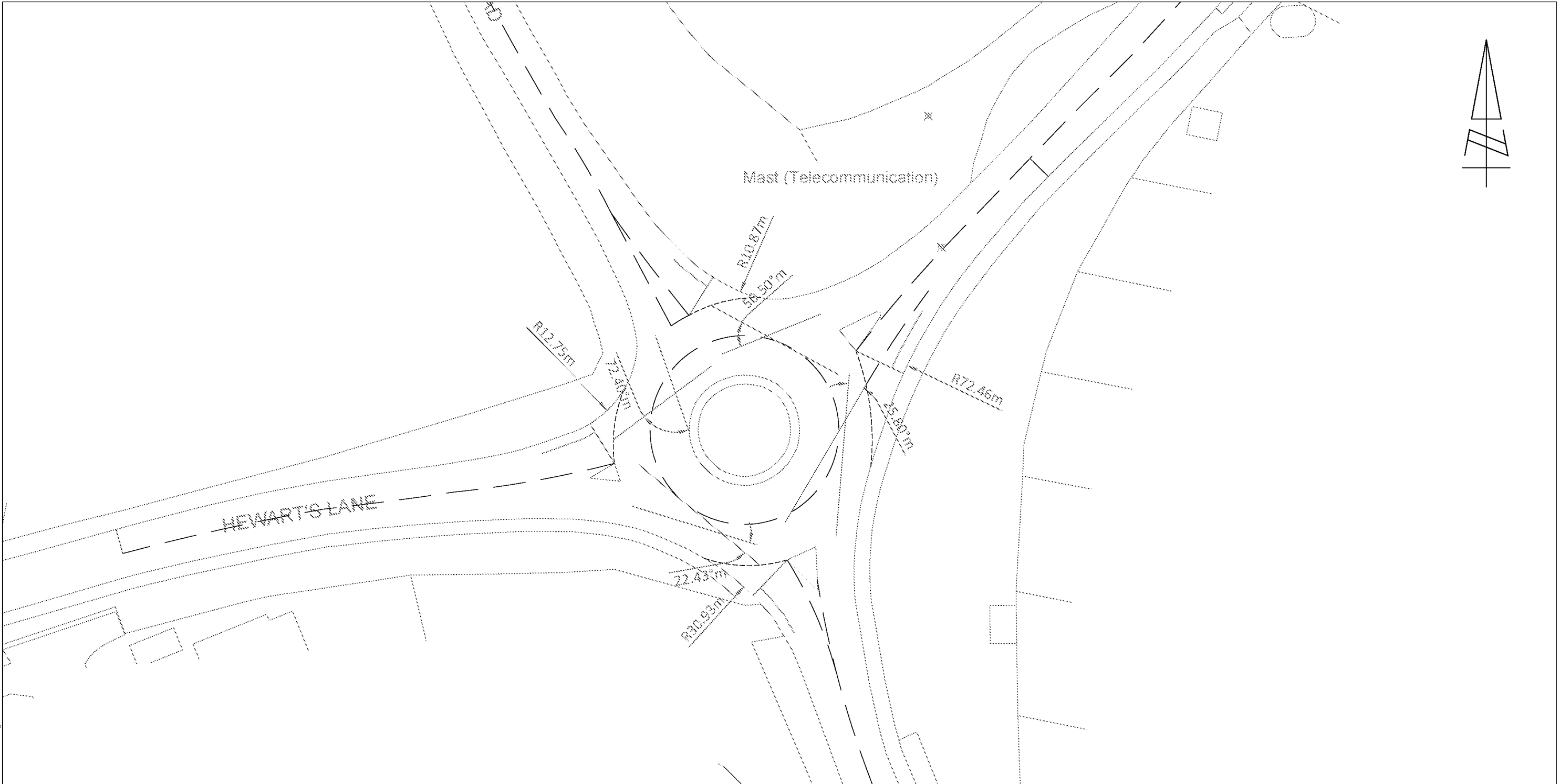
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REV	DATE	BY	DESCRIPTION			CHK	APD	PROJECT NO: ITB14224	SCALE @ A3: 1:1000	DATE: 28.09.20	
STATUS: FOR INFORMATION							PROJECT: WEST OF BERSTED	CLIENT: -		DRAWING NO: ITB14224-GEOM-002	REV: -





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	V	E	L	R	D	CONFLICT
Chalcraft Lane	3.3m	6.6m	8.2m	72.5m	33.6m	25.8°
Lower Bognor Road South	3.4m	6.2m	7.0m	30.9m	33.6m	22.4°
Hewarts Lane	3.2m	5.9m	7.4m	12.8m	33.6m	72.4°
Lower Bognor Road North	2.9m	5.7m	5.3m	10.9m	33.6m	50.5°



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REV	DATE	BY	DESCRIPTION	CHK	APD
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TITLE:		LOWER BOGNOR ROAD/CHALCRAFT LANE/HEWARTS LANE ARCADY MEASUREMENTS			DRAWN: JB	CHECKED: IN	APPROVED: IN
PROJECT:		WEST OF BERSTED			PROJECT No: ITB14224	SCALE @ A3: 1:500	DATE: 28.09.20
CLIENT:		-			DRAWING No: ITB14224-GEOM-001	REV: -	