

11/05/2017

Please find attached three transport survey documents relating to our objection to the development of land at Billet Road.

The LONG TERM REPORT.pdf – sets the scene and shows all the data logged by our contractor DCA Moisisyt Ltd using MetroCount 5900' traffic loggers which are state of the art traffic loggers.

The TRAFFIC FLOW COMPARISON PAINTERS ROAD ALDBOROUGH ROAD NORTH.pdf – Show the increase of traffic that has taken place over a short period within Aldborough Hatch that can directly be attributed to the traffic conditions on Hainault Road into Little Heath Junction (including Billet Rd flow) of the A12 between April and September 2016 the September data shows a substantial increase in vehicle numbers flowing into the Aldborough Road North junction with the A12.

The comparison report ACTUAL.pdf – shows photographs and timings of the actual conditions of traffic at the round-a-bout at the junction of Hainault Rd and Billet Road, it also shows the queuing points up to 500 metres along both roads, a copy of Crash Map for the area 2011 to 2015(the latest date at time of report) showing a significant number of reported crashes note many minor accidents go unreported. It also notes the Greater London Authority objection to a smaller development at Five Oaks (425 houses) we believe that if the Billet Road Development of 800 dwellings + primary school got the go ahead from LB Redbridge the Mayor of London would call it in.

These reports indicate an increase in traffic within the Aldborough Hatch/Little heath Area that is happening now! The LB Redbridge Local Plan Transport Evidence dated March 2017 predicts rises in traffic flow at the A12 junctions of Hainault Rd of in the morning of 22.2% and Aldborough Road North 19.9% (Say 20%) with Billet Road 24.5% (Page 30 table 5-12 of report) supposedly by 2030 the report then goes on to ignore the Aldborough Road North junction with the A12 because it falls below their arbitrary 20% threshold by 0.1% one wonders on the accuracy of this data modelling! And the likely results from the mitigation measures proposed (Page 31)

Billet Road is not situated near to any local railway links see Train Stations Tab in comparison report ACTUAL.pdf the nearest is Chadwell heath at 2.48 km from the centre of the Billet Road site well outside the recognised walking threshold this is at odds with the as the crow flies data in the Billet Road High Level Transport Report by ATKINS the data in our report is accurately measured on the existing road system, we believe this will result in more car journeys.

It has been stated that the site is served by a variety of cycle routes including “Quieter Routes” as these routes use the existing highways system that is overloaded with motor vehicles we find this statement to be fictitious.

We believe at a practical level that the Billet Road site should not be put forward in the local Plan as a development site because of the long term problems with transport /traffic in the east of the borough.

We (DCA Monisyst Ltd) were commissioned to carry out a long term study using the 'New MetroCount 5900' traffic logger, we used two sites, Hainault Road north of Painters Road, and Painters Road west of Hainault Road, these ATC's were in position from August 2016 through to the end of September 2016, the reports are shown in graph form and total traffic flow report. we have also generated virtual day reports where the total number of days surveyed is averaged to create a single (virtual) days report.

It is interesting to note that on the 21/09/2016 the southbound flow north of the A12 on Hainault Road was 8105 vehicles, for the virtual day report for traffic traveling south over the survey site on Hainault Road (north of Painters Road) the total was 7802, bearing in mind this includes figures for the School Summer Break, traffic flows are not reduced significantly.

From the studies we have carried out there is over whelming evidence to show that the Aldborough Hatch Parish road network is congested, traffic is slow moving creating pollution close to two schools, and a Scout Camp Site at peak times.

We have more than our fair share of road rage incidents that is primarily caused by drivers having to sit in traffic jams. It is also the case for roads east of here Whalebone Lane North at the junction with the A12, Traffic is often tailing back across the A12 after the lights have changed. Traffic traveling east towards Collier Row again is slow moving and often stationery due to the weight of traffic.

Should the development of Billet Road goes ahead, the development will have a limited amount of on site parking made available, some premise will be sold without parking, as we have seen before, people by a property, after the sale is completed they find out that they do not have space to park a vehicle, so they look to the surrounding roads and grass verges, park where they cause a hazard, so with all the best intentions the developers create a non driver housing estate, but it soon becomes as heavily parked as any hosing estate, we do not have far to look; Rose Lane area, narrow Roads with parking on both sides of the road, larger vehicles (7.5 tonne) are unable to travel through.

The Local Authority (Barking & Dagenham) have installed secure cycle sheds , I have toured the area and out of the 6 locations looked at I saw only one bike, there was plenty of rubbish thrown in some of them, and one evening I saw a tramp making his bed in it.

We regularly carry out Parking Beat surveys where we record partial registration numbers of vehicles, this way we can see if or how often a vehicle may move, we also look at vehicles that are parked on 'House Frontages' I would be comfortable in saying that the average number of vehicles parked is 2.25 per household, over the period of a 5 day week, one vehicle may move, over a weekend 2 vehicles may move. So for a development of 800 houses/flats we could se an influx of 1'800 vehicles, (most wont be allocated parking space), and we could see an additional 400 vehicles vying for road space, if they all came on the road at the same time the queue would be from the Hainault Road/Billet Road round-a-bout to Rose Lane!

This is based on 20 years experience collecting survey data at best I would say that the High Level Traffic study may show that there is adequate space for more vehicles on our road space, but it

Time	01/08/16	02/08/16	03/08/16	04/08/16	05/08/16	06/08/16	07/08/16	08/08/16	09/08/16	10/08/16	11/08/16	12/08/16	13/08/16	14/08/16	15/08/16	16/08/16	17/08/16	18/08/16	19/08/16
	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals
0000	9	39	77	85	65	135	173	77	57	49	107	66	123	159	68	60	105	60	57
0100	40	31	29	34	49	63	87	24	29	39	38	34	77	70	35	23	30	31	42
0200	20	26	24	31	34	51	58	22	27	11	24	23	42	40	22	22	21	17	19
0300	29	22	17	17	21	52	53	18	15	22	21	17	39	40	16	29	22	22	30
0400	20	25	30	32	27	37	29	27	29	21	28	26	27	15	23	24	28	26	27
0500	99	83	89	101	83	59	51	89	87	90	101	76	57	35	82	93	97	92	90
0600	181	176	188	201	176	94	81	177	183	171	190	164	85	81	167	160	164	157	160
0700	363	363	405	415	394	150	115	364	407	380	345	333	150	99	325	373	348	355	352
0800	413	471	537	527	519	294	150	454	499	458	472	444	243	133	463	488	475	491	451
0900	422	494	486	500	502	355	216	427	504	423	428	440	363	245	388	428	430	414	443
1000	440	556	596	592	456	449	355	459	460	484	416	442	430	376	418	491	423	487	433
1100	414	574	644	611	566	539	492	452	531	452	430	435	557	455	417	530	556	446	462
1200	481	685	676	615	561	580	550	462	550	485	448	517	500	504	431	529	581	469	504
1300	494	702	706	635	539	528	474	499	506	529	460	500	501	444	472	480	509	476	526
1400	476	704	658	691	607	487	394	493	491	540	399	518	423	417	460	460	452	447	482
1500	487	715	782	745	631	483	410	573	540	526	511	575	510	390	507	553	472	500	545
1600	605	904	829	837	698	435	378	593	621	619	579	615	479	389	529	630	608	610	563
1700	638	902	879	787	738	469	363	645	641	691	678	680	427	370	603	641	712	615	590
1800	540	873	731	684	623	439	413	583	589	626	523	556	426	436	529	522	589	568	528
1900	410	619	684	554	479	362	415	403	445	528	453	432	379	397	429	470	470	433	464
2000	298	383	445	363	311	348	327	309	345	375	346	352	313	342	334	361	397	412	301
2100	247	282	343	323	284	257	247	257	287	322	298	270	217	261	262	256	310	265	271
2200	227	289	274	236	232	204	213	246	282	266	225	224	239	203	211	267	224	220	226
2300	102	157	156	154	141	238	126	140	168	171	135	188	207	102	132	176	129	133	177
DAILY TOTAL	7455	10075	10285	9770	8736	7108	6170	7793	8293	8278	7655	7927	6814	6003	7323	8066	8152	7746	7743

20/08/16	21/08/16	22/08/16	23/08/16	24/08/16	25/08/16	26/08/16	27/08/16	28/08/16	29/08/16	30/08/16	31/08/16	01/09/16	02/09/16	03/09/16	04/09/16	05/09/16	06/09/16	07/09/16	08/09/16	
Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals
149	130	49	74	58	68	81	133	111	108	68	75	70	56	113	151	49	52	43	52	
64	69	21	17	31	35	39	61	85	56	29	25	48	37	72	77	34	24	24	32	
34	51	24	19	25	20	26	56	49	39	24	15	29	23	42	66	21	27	18	21	
32	58	17	21	22	21	23	47	44	33	16	21	14	20	41	30	10	18	21	9	
31	30	27	28	26	26	30	29	23	21	20	26	27	23	31	29	22	23	20	33	
69	58	77	89	90	90	85	54	39	45	90	75	87	73	60	51	92	79	91	103	
92	72	170	179	193	178	170	85	75	51	184	180	181	186	101	59	188	181	188	205	
130	113	363	378	353	350	337	156	83	103	350	349	412	419	140	93	468	495	488	468	
293	130	416	493	455	472	423	279	138	149	455	463	535	459	275	151	622	643	618	631	
346	244	358	444	436	457	423	354	251	229	407	425	385	451	406	281	473	479	489	537	
440	358	394	476	452	445	404	428	399	300	445	440	415	407	479	441	440	441	382	405	
475	448	412	480	468	476	485	472	396	388	468	444	440	486	527	471	423	488	430	399	

528	473	434	497	458	461	466	508	394	415	458	452	491	495	603	566	443	468	439	466
515	420	493	532	468	515	522	451	415	420	515	479	534	490	611	478	468	491	465	475
482	423	470	493	491	481	540	438	378	412	491	473	498	519	530	461	457	603	473	484
479	391	492	513	505	520	560	461	350	385	541	502	509	631	510	461	577	628	566	606
497	390	583	565	616	669	598	434	339	402	615	700	657	717	551	500	687	697	652	737
464	350	650	682	689	607	621	390	305	418	651	677	720	669	429	395	708	748	546	721
348	416	545	580	620	557	598	414	351	387	605	556	596	625	437	389	607	657	582	604
331	358	412	475	441	469	482	404	345	362	500	515	488	470	364	348	423	465	476	476
301	272	328	369	425	409	358	285	258	281	372	407	420	367	284	279	318	322	432	344
222	265	266	265	299	284	259	242	225	215	281	316	287	250	225	223	253	276	345	306
221	125	221	220	234	281	230	180	192	173	214	261	193	237	166	186	190	165	214	209
207	120	110	139	111	172	183	168	186	111	137	120	133	184	199	120	86	94	110	93

6750	5764	7332	8028	7966	8063	7943	6529	5431	5503	7936	7996	8169	8294	7196	6306	8059	8564	8112	8416
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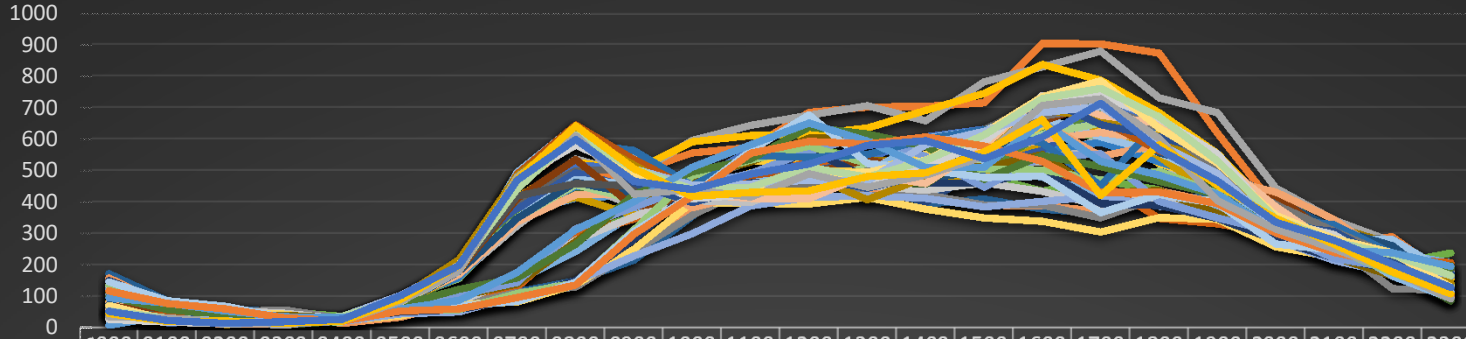
09/09/16	10/09/16	11/09/16	12/09/16	13/09/16	14/09/16	15/09/16	16/09/16	17/09/16	18/09/16	19/09/16	20/09/16	21/09/16	22/09/16	23/09/16	24/09/16	25/09/16	26/09/16	27/09/16	28/09/16
Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals

69	106	137	62	44	45	56	56	100	147	60	28	72	54	54	96	118	36	46	53
28	73	79	20	38	23	27	30	59	87	26	19	25	31	32	79	78	32	21	24
15	40	44	20	23	15	20	26	41	69	12	14	18	22	20	54	61	19	22	15
25	32	33	24	17	26	17	27	30	33	15	16	22	19	18	36	33	13	16	20
24	22	24	26	27	23	26	27	22	33	27	25	35	37	38	34	22	22	22	28
83	56	58	92	93	90	97	96	73	60	87	90	82	104	92	61	54	85	91	103
181	105	59	183	183	191	217	198	123	70	190	198	201	192	192	88	61	181	199	199
467	145	110	476	489	471	485	468	159	85	453	473	446	476	442	177	97	480	473	470
643	315	143	589	645	603	620	601	266	146	594	581	612	613	613	312	137	611	642	599
472	384	312	564	535	485	518	461	424	307	481	496	490	505	505	401	298	425	506	466
422	451	484	452	441	436	415	398	496	421	426	411	419	454	441	511	419	440	418	440
493	491	533	548	485	420	426	451	536	564	412	424	442	458	447	582	555	416	431	489
500	562	578	542	509	455	486	478	638	677	411	486	489	470	511	651	593	490	436	521
496	611	522	551	462	499	408	444	616	523	488	462	495	467	479	594	584	447	481	580
552	545	500	600	519	483	479	488	577	503	459	512	533	582	532	510	607	486	493	595
616	447	505	629	564	583	583	587	472	478	579	591	620	625	613	511	578	545	559	538
715	545	502	587	698	673	693	732	548	482	739	738	735	684	729	654	529	707	662	607
663	553	470	452	662	703	669	646	513	366	676	736	785	704	761	529	431	728	421	714
618	402	498	657	563	637	609	607	466	424	650	665	635	583	671	486	432	602	582	567
525	350	427	533	498	494	480	554	424	395	534	553	524	491	531	425	395	405	453	467
388	305	302	349	352	392	345	327	311	267	386	341	358	321	348	308	302	314	348	336
279	221	253	328	272	308	277	307	281	247	259	297	284	251	275	248	240	252	266	279
186	192	176	237	214	229	186	207	185	190	196	185	239	198	233	239	202	181	178	203
168	164	107	94	96	106	144	174	191	105	95	107	130	115	167	196	104	93	109	129

8628	7117	6856	8615	8429	8390	8283	8390	7551	6679	8255	8448	8691	8456	8744	7782	6930	8010	7875	8442
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TRAFFIC TOTALS

NUMBER OF VEHICLES



- 01/08/16 Hourly Totals
- 02/08/16 Hourly Totals
- 03/08/16 Hourly Totals
- 04/08/16 Hourly Totals
- 05/08/16 Hourly Totals
- 06/08/16 Hourly Totals
- 07/08/16 Hourly Totals
- 08/08/16 Hourly Totals
- 09/08/16 Hourly Totals
- 10/08/16 Hourly Totals
- 11/08/16 Hourly Totals
- 12/08/16 Hourly Totals
- 13/08/16 Hourly Totals
- 14/08/16 Hourly Totals
- 15/08/16 Hourly Totals
- 16/08/16 Hourly Totals
- 17/08/16 Hourly Totals
- 18/08/16 Hourly Totals
- 19/08/16 Hourly Totals
- 20/08/16 Hourly Totals
- 21/08/16 Hourly Totals
- 22/08/16 Hourly Totals
- 23/08/16 Hourly Totals
- 24/08/16 Hourly Totals
- 25/08/16 Hourly Totals
- 26/08/16 Hourly Totals
- 27/08/16 Hourly Totals
- 28/08/16 Hourly Totals

	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
01/08/16 Hourly Totals	9	40	20	29	20	99	181	363	413	422	440	414	481	494	476	487	605	638	540	410	298	247	227	102
02/08/16 Hourly Totals	39	31	26	22	25	83	176	363	471	494	556	574	685	702	704	715	904	902	873	619	383	282	289	157
03/08/16 Hourly Totals	77	29	24	17	30	89	188	405	537	486	596	644	676	706	658	782	829	879	731	684	445	343	274	156
04/08/16 Hourly Totals	85	34	31	17	32	101	201	415	527	500	592	611	615	635	691	745	837	787	684	554	363	323	236	154
05/08/16 Hourly Totals	65	49	34	21	27	83	176	394	519	502	456	566	561	539	607	631	698	738	623	479	311	284	232	141
06/08/16 Hourly Totals	135	63	51	52	37	59	94	150	294	355	449	539	580	528	487	483	435	469	439	362	348	257	204	238
07/08/16 Hourly Totals	173	87	58	53	29	51	81	115	150	216	355	492	550	474	394	410	378	363	413	415	327	247	213	126
08/08/16 Hourly Totals	77	24	22	18	27	89	177	364	454	427	459	452	462	499	493	573	593	645	583	403	309	257	246	140
09/08/16 Hourly Totals	57	29	27	15	29	87	183	407	499	504	460	531	550	506	491	540	621	641	589	445	345	287	282	168
10/08/16 Hourly Totals	49	39	11	22	21	90	171	380	458	423	484	452	485	529	540	526	619	691	626	528	375	322	266	171
11/08/16 Hourly Totals	107	38	24	21	28	101	190	345	472	428	416	430	448	460	399	511	579	678	523	453	346	298	225	135
12/08/16 Hourly Totals	66	34	23	17	26	76	164	333	444	440	442	435	517	500	518	575	615	680	556	432	352	270	224	188
13/08/16 Hourly Totals	123	77	42	39	27	57	85	150	243	363	430	557	500	501	423	510	479	427	426	379	313	217	239	207
14/08/16 Hourly Totals	159	70	40	40	15	35	81	99	133	245	376	455	504	444	417	390	389	370	436	397	342	261	203	102
15/08/16 Hourly Totals	68	35	22	16	23	82	167	325	463	388	418	417	431	472	460	507	529	603	529	429	334	262	211	132
16/08/16 Hourly Totals	60	23	22	29	24	93	160	373	488	428	491	530	529	480	460	553	630	641	522	470	361	256	267	176
17/08/16 Hourly Totals	105	30	21	22	28	97	164	348	475	430	423	556	581	509	452	472	608	712	589	470	397	310	224	129
18/08/16 Hourly Totals	60	31	17	22	26	92	157	355	491	414	487	446	469	476	447	500	610	615	568	433	412	265	220	133
19/08/16 Hourly Totals	57	42	19	30	27	90	160	352	451	443	433	462	504	526	482	545	563	590	528	464	301	271	226	177
20/08/16 Hourly Totals	149	64	34	32	31	69	92	130	293	346	440	475	528	515	482	479	497	464	348	331	301	222	221	207
21/08/16 Hourly Totals	130	69	51	58	30	58	72	113	130	244	358	448	473	420	423	391	390	350	416	358	272	265	125	120
22/08/16 Hourly Totals	49	21	24	17	27	77	170	363	416	358	394	412	434	493	470	492	583	650	545	412	328	266	221	110
23/08/16 Hourly Totals	74	17	19	21	28	89	179	378	493	444	476	480	497	532	493	513	565	682	580	475	369	265	220	139
24/08/16 Hourly Totals	58	31	25	22	26	90	193	353	455	436	452	468	458	468	491	505	616	689	620	441	425	299	234	111
25/08/16 Hourly Totals	68	35	20	21	26	90	178	350	472	457	445	476	461	515	481	520	669	607	557	469	409	284	281	172
26/08/16 Hourly Totals	81	39	26	23	30	85	170	337	423	423	404	485	466	522	540	560	598	621	598	482	358	259	230	183
27/08/16 Hourly Totals	133	61	56	47	29	54	85	156	279	354	428	472	508	451	438	461	434	390	414	404	285	242	180	168

28/08/16 Hourly Totals	111	85	49	44	23	39	75	83	138	251	399	396	394	415	378	350	339	305	351	345	258	225	192	186
29/08/16 Hourly Totals	108	56	39	33	21	45	51	103	149	229	300	388	415	420	412	385	402	418	387	362	281	215	173	111
30/08/16 Hourly Totals	68	29	24	16	20	90	184	350	455	407	445	468	458	515	491	541	615	651	605	500	372	281	214	137
31/08/16 Hourly Totals	75	25	15	21	26	75	180	349	463	425	440	444	452	479	473	502	700	677	556	515	407	316	261	120
01/09/16 Hourly Totals	70	48	29	14	27	87	181	412	535	385	415	440	491	534	498	509	657	720	596	488	420	287	193	133
02/09/16 Hourly Totals	56	37	23	20	23	73	186	419	459	451	407	486	495	490	519	631	717	669	625	470	367	250	237	184
03/09/16 Hourly Totals	113	72	42	41	31	60	101	140	275	406	479	527	603	611	530	510	551	429	437	364	284	225	166	199
04/09/16 Hourly Totals	151	77	66	30	29	51	59	93	151	281	441	471	566	478	461	461	500	395	389	348	279	223	186	120
05/09/16 Hourly Totals	49	34	21	10	22	92	188	468	622	473	440	423	443	468	457	577	687	708	607	423	318	253	190	86
06/09/16 Hourly Totals	52	24	27	18	23	79	181	495	643	479	441	488	468	491	603	628	697	748	657	465	322	276	165	94
07/09/16 Hourly Totals	43	24	18	21	20	91	188	488	618	489	382	430	439	465	473	566	652	546	582	476	432	345	214	110
08/09/16 Hourly Totals	52	32	21	9	33	103	205	468	631	537	405	399	466	475	484	606	737	721	604	476	344	306	209	93
09/09/16 Hourly Totals	69	28	15	25	24	83	181	467	643	472	422	493	500	496	552	616	715	663	618	525	388	279	186	168
10/09/16 Hourly Totals	106	73	40	32	22	56	105	145	315	384	451	491	562	611	545	447	545	553	402	350	305	221	192	164
11/09/16 Hourly Totals	137	79	44	33	24	58	59	110	143	312	484	533	578	522	500	505	502	470	498	427	302	253	176	107
12/09/16 Hourly Totals	62	20	20	24	26	92	183	476	589	564	452	548	542	551	600	629	587	452	657	533	349	328	237	94
13/09/16 Hourly Totals	44	38	23	17	27	93	183	489	645	535	441	485	509	462	519	564	698	662	563	498	352	272	214	96
14/09/16 Hourly Totals	45	23	15	26	23	90	191	471	603	485	436	420	455	499	483	583	673	703	637	494	392	308	229	106
15/09/16 Hourly Totals	56	27	20	17	26	97	217	485	620	518	415	426	486	408	479	583	693	669	609	480	345	277	186	144
16/09/16 Hourly Totals	56	30	26	27	27	96	198	468	601	461	398	451	478	444	488	587	732	646	607	554	327	307	207	174
17/09/16 Hourly Totals	100	59	41	30	22	73	123	159	266	424	496	536	638	616	577	472	548	513	466	424	311	281	185	191
18/09/16 Hourly Totals	147	87	69	33	33	60	70	85	146	307	421	564	677	523	503	478	482	366	424	395	267	247	190	105
19/09/16 Hourly Totals	60	26	12	15	27	87	190	453	594	481	426	412	411	488	459	579	739	676	650	534	386	259	196	95
20/09/16 Hourly Totals	28	19	14	16	25	90	198	473	581	496	411	424	486	462	512	591	738	736	665	553	341	297	185	107
21/09/16 Hourly Totals	72	25	18	22	35	82	201	446	612	490	419	442	489	495	533	620	735	785	635	524	358	284	239	130
22/09/16 Hourly Totals	54	31	22	19	37	104	192	476	613	505	454	458	470	467	582	625	684	704	583	491	321	251	198	115
23/09/16 Hourly Totals	54	32	20	18	38	92	192	442	613	505	441	447	511	479	532	613	729	761	671	531	348	275	233	167
24/09/16 Hourly Totals	96	79	54	36	34	61	88	177	312	401	511	582	651	594	510	511	654	529	486	425	308	248	239	196
25/09/16 Hourly Totals	118	78	61	33	22	54	61	97	137	298	419	555	593	584	607	578	529	431	432	395	302	240	202	104
26/09/16 Hourly Totals	36	32	19	13	22	85	181	480	611	425	440	416	490	447	486	545	707	728	602	405	314	252	181	93
27/09/16 Hourly Totals	46	21	22	16	22	91	199	473	642	506	418	431	436	481	493	559	662	421	582	453	348	266	178	109
28/09/16 Hourly Totals	53	24	15	20	28	103	199	470	599	466	440	489	521	580	595	538	607	714	567	467	336	279	203	129

TIME

29/08/16 Hourly Totals
30/08/16 Hourly Totals
31/08/16 Hourly Totals
01/09/16 Hourly Totals
02/09/16 Hourly Totals
03/09/16 Hourly Totals
04/09/16 Hourly Totals
05/09/16 Hourly Totals
06/09/16 Hourly Totals
07/09/16 Hourly Totals
08/09/16 Hourly Totals
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15/09/16 Hourly Totals
16/09/16 Hourly Totals
17/09/16 Hourly Totals
18/09/16 Hourly Totals
19/09/16 Hourly Totals
20/09/16 Hourly Totals
21/09/16 Hourly Totals
22/09/16 Hourly Totals
23/09/16 Hourly Totals

NOBAL TRAFFIC REPORT

Report Id - CustomList-42

Site Name - 59002

Description - HAINAULT ROAD [40MPH] NTH OF PAINTERS ROAD

Direction - SOUTHBOUND

THIS REPORT IS AN AVERAGED REPORT BASED ON 59 DAYS OF DATA

SURVEY CARRIED OUT OVER SCHOOL SUMMER BREAK

SURVEY PERIOD; 1ST AUGUST 2016 - 28TH SEPTEMBER 2016

Virtual Day (59)

Time	Hourly Totals	Vehicle Speed													Number Vehicle Classes ARX Scheme								Average Speed	Standard deviation	Above Speed Limit	Above Speed Limit %	
		MPH 0	MPH 10	MPH 15	MPH 20	MPH 25	MPH 30	MPH 35	MPH 40	MPH 45	MPH 50	MPH 55	MPH 60	MPH 65 +	Motor Cycles	Car Van	Car Van Towing	2 Axle Van Lorry	3 Axle Rigid	4 Axle Rigid	3 Axle Artic	4 Axle Artic					P-Tile 85%
0000	80	0	0	0	0	1	8	24	22	12	5	3	2	2	1	75	0	4	0	0	0	0	49.7	42.8	8.4	46	57.85
0100	43	0	0	0	0	1	4	12	11	6	3	2	1	1	1	40	0	2	0	0	0	51.8	43.5	9.2	26	59.94	
0200	29	0	0	0	0	0	2	8	7	5	3	2	1	1	0	26	0	3	0	0	0	52.7	44.3	9.4	19	63.94	
0300	25	0	0	0	0	0	2	6	7	4	3	2	1	1	1	21	0	3	0	0	0	54.6	45.1	9.7	17	68.7	
0400	27	0	0	0	0	1	2	5	7	5	4	2	1	1	1	23	0	3	0	0	0	53.4	45.1	8.7	19	71.72	
0500	80	0	0	0	0	0	3	17	25	18	9	4	2	1	2	67	0	10	0	0	0	51.9	45	7.3	60	74.97	
0600	154	0	0	1	0	1	10	41	52	30	11	5	2	2	3	133	0	17	0	1	0	48.9	42.9	7.2	101	65.51	
0700	329	0	1	2	3	9	46	133	96	28	8	2	1	0	3	291	1	29	0	3	0	44.2	39.1	6	135	41.09	
0800	440	11	9	8	9	22	90	182	83	18	5	2	1	0	5	393	1	36	1	3	0	41.7	35.7	8.2	109	24.69	
0900	421	7	2	3	3	11	75	195	95	21	5	1	0	0	4	373	1	38	1	2	0	42.3	37.3	6.8	124	29.42	
1000	440	1	1	1	1	8	74	222	104	22	5	1	0	0	3	394	1	37	1	2	0	42.3	38.2	4.8	132	30.08	
1100	479	0	0	1	2	9	91	240	108	22	4	1	0	0	4	431	1	38	1	2	0	42.1	38	4.6	135	28.3	
1200	511	1	1	3	4	14	111	247	104	20	4	1	0	0	5	459	1	41	1	3	0	41.7	37.4	5.1	129	25.35	
1300	508	0	1	4	5	14	112	236	106	23	5	1	0	0	5	458	1	38	1	3	1	42	37.5	5.2	135	26.69	
1400	504	0	1	5	5	15	105	234	109	24	4	1	0	0	5	454	1	39	1	3	0	42.2	37.5	5.4	139	27.6	
1500	540	1	1	2	4	15	117	257	113	23	5	1	0	0	5	490	1	40	0	2	0	41.8	37.5	5.2	141	26.19	
1600	612	12	12	9	9	23	133	272	114	21	4	1	0	0	7	561	2	39	1	1	0	41.3	35.9	7.5	142	23.17	
1700	605	25	22	16	11	23	122	256	102	21	4	1	0	0	5	561	2	34	1	1	0	41.1	34.5	9.3	129	21.27	
1800	553	6	5	6	6	17	117	249	116	24	5	1	1	0	5	519	1	26	0	0	0	41.8	36.9	6.5	147	26.56	
1900	456	0	0	1	3	17	105	206	94	22	5	1	0	0	4	430	1	20	0	0	0	42	37.6	5.1	123	26.96	
2000	342	0	0	1	1	11	77	155	72	18	5	1	0	1	3	324	1	14	0	0	0	42.4	37.9	5.2	97	28.21	
2100	271	0	0	0	1	6	51	121	64	19	5	2	1	0	2	258	0	10	0	0	0	43.3	38.7	5.3	92	33.77	
2200	215	0	0	0	0	4	34	89	55	21	6	3	1	1	2	205	0	8	0	0	0	45.1	39.7	6.2	87	40.66	
2300	141	0	0	0	0	2	19	50	39	17	7	3	1	2	1	134	0	5	0	0	0	47.1	40.9	7.2	68	48.37	
07-19	5940	66	57	60	61	180	1195	2723	1250	267	57	15	5	4	57	5386	14	435	9	26	3	4	41.9	37	6.6	1598	26.91
06-22	7163	66	58	64	66	216	1437	3246	1532	355	83	24	9	7	70	6531	16	496	10	28	3	4	42.2	37.3	6.4	2010	28.06
06-00	7519	66	58	64	67	223	1491	3385	1625	393	97	30	11	10	73	6870	16	509	10	28	3	5	42.3	37.4	6.5	2165	28.8
00-00	7802	66	58	64	67	226	1512	3457	1706	444	123	44	18	17	78	7122	16	533	10	28	4	5	42.7	37.6	6.7	2352	30.15

Vehicles = 460320

Posted speed limit = 40 mph, Exceeding = 138772 (30.15%), Mean Exceeding = 44.09 mph

Maximum = 127.1 mph, Minimum = 0.5 mph, Mean = 37.6 mph

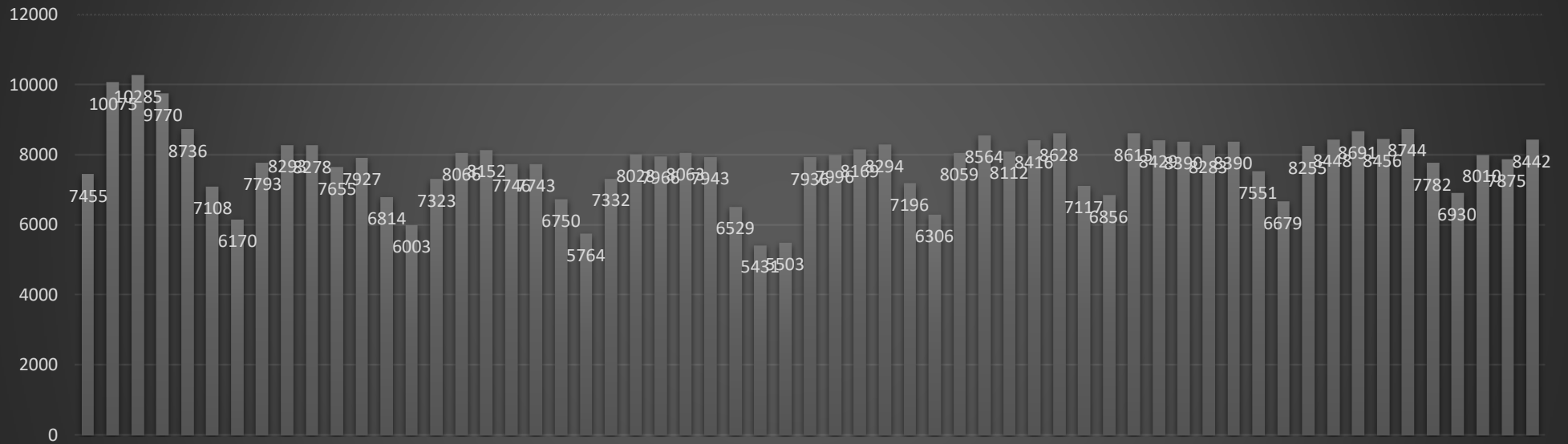
85% Speed = 42.67 mph, 95% Speed = 47.09 mph, Median = 37.75 mph

10 mph Pace = 33 - 43, Number in Pace = 332910 (72.32%)

Variance = 44.76, Standard Deviation = 6.69 mph

SLOW MOVING OR STATIONARY TRAFFIC

DAILY TRAFFIC FLOW SOUTHBOUND



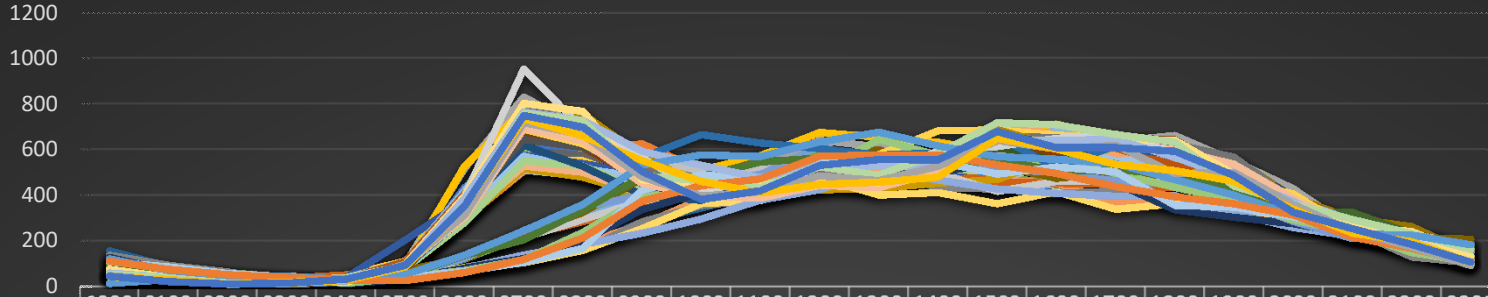
DATE Time	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals
0000	15	70	68	72	75	106	159	70	65	60	62	67	112	111	62	56	65	69	71
0100	33	40	33	34	55	77	90	42	34	41	36	49	66	77	41	34	45	26	36
0200	12	26	20	26	29	63	48	26	20	23	27	30	49	53	18	24	22	20	33
0300	13	22	18	22	20	42	44	23	19	19	20	27	37	34	20	21	18	23	29
0400	21	29	31	26	34	35	31	26	46	28	24	33	35	24	32	51	28	37	33
0500	90	91	103	87	85	58	37	80	113	81	94	73	56	39	76	113	82	75	82
0600	300	297	518	529	436	122	83	297	395	336	322	322	129	71	304	371	311	318	319
0700	535	507	831	775	603	220	105	559	596	568	553	566	247	117	511	561	558	588	522
0800	514	597	693	646	614	330	176	505	576	505	499	495	309	194	485	552	523	517	511
0900	468	626	547	560	506	433	284	415	521	462	473	451	378	271	419	460	444	484	442
1000	398	510	491	511	481	470	345	423	460	419	442	445	456	385	397	461	433	426	461
1100	388	473	530	575	491	496	409	432	419	460	451	466	497	407	431	420	420	510	430
1200	434	584	642	676	533	597	523	468	499	516	498	460	515	466	485	504	489	474	505
1300	467	541	613	655	514	498	524	454	530	486	454	484	495	536	445	471	462	504	444
1400	498	554	572	633	521	517	539	509	491	503	486	506	467	551	477	550	470	446	472
1500	493	638	678	591	720	480	438	548	557	551	542	625	439	467	463	539	564	501	511
1600	536	665	664	713	627	455	430	584	595	598	592	601	450	454	554	576	576	564	603
1700	574	652	637	646	609	489	387	616	569	617	562	619	488	372	551	582	573	572	540
1800	535	640	663	638	551	486	381	534	548	538	548	544	490	377	492	564	527	544	569
1900	412	552	552	523	440	445	392	491	501	563	493	417	378	381	451	529	497	453	456
2000	362	409	430	380	375	331	331	358	381	392	342	321	307	324	335	391	385	348	308
2100	248	222	255	263	285	276	274	267	287	300	292	327	259	266	240	239	278	286	279
2200	193	215	240	215	227	235	203	177	210	264	175	233	226	174	237	217	237	207	214
2300	123	135	157	127	188	181	137	122	128	146	136	184	152	131	127	126	142	134	174
DAILY TOTAL	7662	9095	9986	9923	9019	7442	6370	8026	8560	8476	8123	8345	7037	6282	7653	8412	8149	8126	8044

#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####
Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals
100	139	60	58	68	68	77	108	119	102	62	75	72	57	104	129	60	62	65	54
56	95	34	24	39	44	37	70	74	60	29	30	27	38	54	72	32	25	24	39
37	66	24	24	17	25	25	49	58	53	37	20	32	17	47	59	18	20	16	12
38	29	13	19	23	22	23	48	33	25	18	19	18	26	31	32	18	15	19	26
53	28	28	41	31	32	33	29	21	37	27	29	22	33	36	14	29	40	31	24
57	40	79	206	89	79	88	58	44	39	81	97	93	76	74	34	96	111	110	92
137	86	294	378	350	325	307	137	85	82	281	356	341	357	124	83	354	421	374	404
222	126	518	577	545	572	529	216	106	140	551	620	661	645	231	124	727	783	783	767
286	160	480	540	512	518	502	295	160	187	529	528	611	611	326	201	688	687	681	686
346	285	405	494	407	479	406	376	256	235	422	403	469	530	475	338	486	589	504	575
449	356	398	421	416	484	452	412	365	297	456	379	448	456	476	413	411	502	461	507
460	382	413	451	438	495	470	478	378	380	456	482	448	488	553	436	419	479	442	516
528	464	425	513	486	516	469	519	477	426	488	450	491	485	553	564	468	569	468	498
521	510	430	448	477	455	498	502	402	510	567	519	471	463	601	578	448	529	505	442
507	434	455	489	556	539	506	499	413	468	518	532	530	557	510	500	536	588	567	544
459	429	470	530	535	596	551	418	364	429	503	564	621	605	530	545	612	676	717	648
454	409	563	577	527	588	579	462	417	410	588	573	589	621	475	534	551	678	664	609
448	420	594	588	574	561	612	460	340	397	633	618	651	632	501	455	645	648	583	655
435	371	527	537	535	544	583	462	364	400	549	567	645	570	486	337	495	522	586	566
395	357	470	497	474	493	465	364	340	321	514	539	481	487	413	305	455	462	539	506
324	318	314	364	379	381	369	313	263	260	374	398	377	376	307	277	320	327	342	359
245	248	264	257	279	291	277	254	243	222	243	253	257	281	226	230	224	265	273	242
199	131	180	197	192	232	230	208	199	188	232	242	224	212	215	171	196	180	192	195
157	106	112	120	120	152	186	183	167	128	120	142	135	197	209	112	97	111	123	120
6913	5989	7550	8350	8069	8491	8274	6920	5688	5796	8278	8435	8714	8820	7557	6543	8385	9289	9069	9086

#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####
Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals
53	100	123	63	59	65	64	53	96	110	50	55	77	61	56	123	113	50	44	47
29	74	71	36	32	32	41	33	63	88	27	32	43	42	42	72	77	29	33	24
27	40	56	21	26	30	20	27	57	59	23	24	37	18	30	50	54	12	13	13
21	38	43	28	27	18	19	26	23	45	18	32	27	26	26	46	41	17	21	17
26	23	16	28	36	38	29	32	38	27	28	24	20	32	41	33	29	26	29	34
99	52	43	88	110	90	93	82	51	40	97	92	100	92	93	55	28	100	88	95
331	126	72	307	407	381	342	344	138	68	305	396	398	387	353	140	63	314	354	354
690	247	119	694	769	785	717	695	206	108	694	954	803	766	759	245	121	719	736	750
626	352	239	736	677	714	757	702	336	169	639	691	768	728	726	361	215	665	660	699
488	400	390	566	510	545	573	449	483	423	452	566	469	593	488	533	376	481	553	505
421	465	439	666	464	412	444	397	484	492	400	416	443	533	464	578	443	398	462	383
466	492	458	630	418	439	442	431	547	468	388	477	464	477	435	571	473	417	412	421
475	617	502	605	475	494	451	485	564	541	445	463	474	533	526	635	572	486	449	532
579	540	646	577	472	476	483	445	562	563	434	484	456	527	489	677	577	465	459	557
683	576	576	586	532	503	516	588	517	548	504	596	535	529	585	617	578	528	481	556
687	516	568	655	627	660	688	666	559	494	665	614	637	638	718	570	534	640	650	680
664	501	550	524	649	653	616	627	506	525	614	650	630	641	710	559	497	604	603	609
651	464	498	618	607	651	654	614	512	504	633	670	642	646	667	540	439	620	536	609
615	450	436	513	532	625	582	578	493	357	600	586	642	568	634	470	395	496	509	594
468	384	379	472	482	568	468	458	430	349	537	494	493	473	441	402	364	501	462	488
407	287	293	353	349	380	351	339	342	307	388	326	355	376	363	315	315	362	341	327
250	212	240	278	260	266	288	267	254	240	262	294	261	230	295	232	218	244	235	255
205	227	150	224	196	192	200	202	214	174	188	226	243	198	233	227	169	175	198	186
176	176	110	109	125	123	123	178	176	113	117	137	134	101	164	185	105	94	107	109
9137	7359	7017	9377	8841	9140	8961	8718	7651	6812	8508	9299	9151	9215	9338	8236	6796	8443	8435	8844

TRAFFIC TOTALS

NUMBER OF VEHICLES



- 01/08/16 Hourly Totals
- 02/08/16 Hourly Totals
- 03/08/16 Hourly Totals
- 04/08/16 Hourly Totals
- 05/08/16 Hourly Totals
- 06/08/16 Hourly Totals
- 07/08/16 Hourly Totals
- 08/08/16 Hourly Totals
- 09/08/16 Hourly Totals
- 10/08/16 Hourly Totals
- 11/08/16 Hourly Totals
- 12/08/16 Hourly Totals
- 13/08/16 Hourly Totals
- 14/08/16 Hourly Totals
- 15/08/16 Hourly Totals
- 16/08/16 Hourly Totals
- 17/08/16 Hourly Totals
- 18/08/16 Hourly Totals
- 19/08/16 Hourly Totals
- 20/08/16 Hourly Totals
- 21/08/16 Hourly Totals
- 22/08/16 Hourly Totals
- 23/08/16 Hourly Totals
- 24/08/16 Hourly Totals
- 25/08/16 Hourly Totals
- 26/08/16 Hourly Totals
- 27/08/16 Hourly Totals
- 28/08/16 Hourly Totals

	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
01/08/16 Hourly Totals	15	33	12	13	21	90	300	535	514	468	398	388	434	467	498	493	536	574	535	412	362	248	193	123
02/08/16 Hourly Totals	70	40	26	22	29	91	297	507	597	626	510	473	584	541	554	638	665	652	640	552	409	222	215	135
03/08/16 Hourly Totals	68	33	20	18	31	103	518	831	693	547	491	530	642	613	572	678	664	637	663	552	430	255	240	157
04/08/16 Hourly Totals	72	34	26	22	26	87	529	775	646	560	511	575	676	655	633	591	713	646	638	523	380	263	215	127
05/08/16 Hourly Totals	75	55	29	20	34	85	436	603	614	506	481	491	533	514	521	720	627	609	551	440	375	285	227	188
06/08/16 Hourly Totals	106	77	63	42	35	58	122	220	330	433	470	496	597	498	517	480	455	489	486	445	331	276	235	181
07/08/16 Hourly Totals	159	90	48	44	31	37	83	105	176	284	345	409	523	524	539	438	430	387	381	392	331	274	203	137
08/08/16 Hourly Totals	70	42	26	23	26	80	297	559	505	415	423	432	468	454	509	548	584	616	534	491	358	267	177	122
09/08/16 Hourly Totals	65	34	20	19	46	113	395	596	576	521	460	419	499	530	491	557	595	569	548	501	381	287	210	128
10/08/16 Hourly Totals	60	41	23	19	28	81	336	568	505	462	419	460	516	486	503	551	598	617	538	563	392	300	264	146
11/08/16 Hourly Totals	62	36	27	20	24	94	322	553	499	473	442	451	498	454	486	542	592	562	548	493	342	292	175	136
12/08/16 Hourly Totals	67	49	30	27	33	73	322	566	495	451	445	466	460	484	506	625	601	619	544	417	321	327	233	184
13/08/16 Hourly Totals	112	66	49	37	35	56	129	247	309	378	456	497	515	495	467	439	450	488	490	378	307	259	226	152
14/08/16 Hourly Totals	111	77	53	34	24	39	71	117	194	271	385	407	466	536	551	467	454	372	377	381	324	266	174	131
15/08/16 Hourly Totals	62	41	18	20	32	76	304	511	485	419	397	431	485	445	477	463	554	551	492	451	335	240	237	127
16/08/16 Hourly Totals	56	34	24	21	51	113	371	561	552	460	461	420	504	471	550	539	576	582	564	529	391	239	217	126
17/08/16 Hourly Totals	65	45	22	18	28	82	311	558	523	444	433	420	489	462	470	564	576	573	527	497	385	278	237	142
18/08/16 Hourly Totals	69	26	20	23	37	75	318	588	517	484	426	510	474	504	446	501	564	572	544	453	348	286	207	134
19/08/16 Hourly Totals	71	36	33	29	33	82	319	522	511	442	461	430	505	444	472	511	603	540	569	456	308	279	214	174
20/08/16 Hourly Totals	100	56	37	38	53	57	137	222	286	346	449	460	528	521	507	459	454	448	435	395	324	245	199	157
21/08/16 Hourly Totals	139	95	66	29	28	40	86	126	160	285	356	382	464	510	434	429	409	420	371	357	318	248	131	106
22/08/16 Hourly Totals	60	34	24	13	28	79	294	518	480	405	398	413	425	430	455	470	563	594	527	470	314	264	180	112
23/08/16 Hourly Totals	58	24	24	19	41	206	378	577	540	494	421	451	513	448	489	530	577	588	537	497	364	257	197	120
24/08/16 Hourly Totals	68	39	17	23	31	89	350	545	512	407	416	438	486	477	556	535	527	574	535	474	379	279	192	120
25/08/16 Hourly Totals	68	44	25	22	32	79	325	572	518	479	484	495	516	455	539	596	588	561	544	493	381	291	232	152
26/08/16 Hourly Totals	77	37	25	23	33	88	307	529	502	406	452	470	469	498	506	551	579	612	583	465	369	277	230	186
27/08/16 Hourly Totals	108	70	49	48	29	58	137	216	295	376	412	478	519	502	499	418	462	460	462	364	313	254	208	183
28/08/16 Hourly Totals	119	74	58	33	21	44	85	106	160	256	365	378	477	402	413	364	417	340	364	340	263	243	199	167

29/08/16 Hourly Totals	102	60	53	25	37	39	82	140	187	235	297	380	426	510	468	429	410	397	400	321	260	222	188	128
30/08/16 Hourly Totals	62	29	37	18	27	81	281	551	529	422	456	456	488	567	518	503	588	633	549	514	374	243	232	120
31/08/16 Hourly Totals	75	30	20	19	29	97	356	620	528	403	379	482	450	519	532	564	573	618	567	539	398	253	242	142
01/09/16 Hourly Totals	72	27	32	18	22	93	341	661	611	469	448	448	491	471	530	621	589	651	645	481	377	257	224	135
02/09/16 Hourly Totals	57	38	17	26	33	76	357	645	611	530	456	488	485	463	557	605	621	632	570	487	376	281	212	197
03/09/16 Hourly Totals	104	54	47	31	36	74	124	231	326	475	476	553	553	601	510	530	475	501	486	413	307	226	215	209
04/09/16 Hourly Totals	129	72	59	32	14	34	83	124	201	338	413	436	564	578	500	545	534	455	337	305	277	230	171	112
05/09/16 Hourly Totals	60	32	18	18	29	96	354	727	688	486	411	419	468	448	536	612	551	645	495	455	320	224	196	97
06/09/16 Hourly Totals	62	25	20	15	40	111	421	783	687	589	502	479	569	529	588	676	678	648	522	462	327	265	180	111
07/09/16 Hourly Totals	65	24	16	19	31	110	374	783	681	504	461	442	468	505	567	717	664	583	586	539	342	273	192	123
08/09/16 Hourly Totals	54	39	12	26	24	92	404	767	686	575	507	516	498	442	544	648	609	655	566	506	359	242	195	120
09/09/16 Hourly Totals	53	29	27	21	26	99	331	690	626	488	421	466	475	579	683	687	664	651	615	468	407	250	205	176
10/09/16 Hourly Totals	100	74	40	38	23	52	126	247	352	400	465	492	617	540	576	516	501	464	450	384	287	212	227	176
11/09/16 Hourly Totals	123	71	56	43	16	43	72	119	239	390	439	458	502	646	576	568	550	498	436	379	293	240	150	110
12/09/16 Hourly Totals	63	36	21	28	28	88	307	694	736	566	666	630	605	577	586	655	524	618	513	472	353	278	224	109
13/09/16 Hourly Totals	59	32	26	27	36	110	407	769	677	510	464	418	475	472	532	627	649	607	532	482	349	260	196	125
14/09/16 Hourly Totals	65	32	30	18	38	90	381	785	714	545	412	439	494	476	503	660	653	651	625	568	380	266	192	123
15/09/16 Hourly Totals	64	41	20	19	29	93	342	717	757	573	444	442	451	483	516	688	616	654	582	468	351	288	200	123
16/09/16 Hourly Totals	53	33	27	26	32	82	344	695	702	449	397	431	485	445	588	666	627	614	578	458	339	267	202	178
17/09/16 Hourly Totals	96	63	57	23	38	51	138	206	336	483	484	547	564	562	517	559	506	512	493	430	342	254	214	176
18/09/16 Hourly Totals	110	88	59	45	27	40	68	108	169	423	492	468	541	563	548	494	525	504	357	349	307	240	174	113
19/09/16 Hourly Totals	50	27	23	18	28	97	305	694	639	452	400	388	445	434	504	665	614	633	600	537	388	262	188	117
20/09/16 Hourly Totals	55	32	24	32	24	92	396	954	691	566	416	477	463	484	596	614	650	670	586	494	326	294	226	137
21/09/16 Hourly Totals	77	43	37	27	20	100	398	803	768	469	443	464	474	456	535	637	630	642	642	493	355	261	243	134
22/09/16 Hourly Totals	61	42	18	26	32	92	387	766	728	593	533	477	533	527	529	638	641	646	568	473	376	230	198	101
23/09/16 Hourly Totals	56	42	30	26	41	93	353	759	726	488	464	435	526	489	585	718	710	667	634	441	363	295	233	164
24/09/16 Hourly Totals	123	72	50	46	33	55	140	245	361	533	578	571	635	677	617	570	559	540	470	402	315	232	227	185
25/09/16 Hourly Totals	113	77	54	41	29	28	63	121	215	376	443	473	572	577	578	534	497	439	395	364	315	218	169	105
26/09/16 Hourly Totals	50	29	12	17	26	100	314	719	665	481	398	417	486	465	528	640	604	620	496	501	362	244	175	94
27/09/16 Hourly Totals	44	33	13	21	29	88	354	736	660	553	462	412	449	459	481	650	603	536	509	462	341	235	198	107
28/09/16 Hourly Totals	47	24	13	17	34	95	354	750	699	505	383	421	532	557	556	680	609	609	594	488	327	255	186	109

TIME

- 29/08/16 Hourly Totals
- 30/08/16 Hourly Totals
- 31/08/16 Hourly Totals
- 01/09/16 Hourly Totals
- 02/09/16 Hourly Totals
- 03/09/16 Hourly Totals
- 04/09/16 Hourly Totals
- 05/09/16 Hourly Totals
- 06/09/16 Hourly Totals
- 07/09/16 Hourly Totals
- 08/09/16 Hourly Totals
- 09/09/16 Hourly Totals
- 10/09/16 Hourly Totals
- 11/09/16 Hourly Totals
- 12/09/16 Hourly Totals
- 13/09/16 Hourly Totals
- 14/09/16 Hourly Totals
- 15/09/16 Hourly Totals
- 16/09/16 Hourly Totals
- 17/09/16 Hourly Totals
- 18/09/16 Hourly Totals
- 19/09/16 Hourly Totals
- 20/09/16 Hourly Totals
- 21/09/16 Hourly Totals
- 22/09/16 Hourly Totals

NOBAL TRAFFIC REPORT

Report Id - CustomList-42

Site Name - 59002

Description - HAINAULT ROAD [40MPH] NTH OF PAINTI

Direction - North

Virtual Day (59)

THIS REPORT IS AN AVERAGED REPORT BASED ON 59 DAYS OF DATA

SURVEY CARRIED OUT OVER SCHOOL SUMMER BREAK

SURVEY PERIOD; 1ST AUGUST 2016 - 28TH SEPTEMBER 2016

Time	Hourly Totals	Vehicle Speed														Number Vehicle Classes ARX Scheme										Average Speed	Standard deviation	Number Above Speed Limit	% Above Speed Limit
		MPH 0	MPH 10	MPH 15	MPH 20	MPH 25	MPH 30	MPH 35	MPH 40	MPH 45	MPH 50	MPH 55	MPH 60	MPH 65	Motor Cycles	Car Van	Car Van Towing	2 Axle Van Lorry	3 Axle Rigid	4 Axle Rigid	3 Axle Artic	6 Axle Artic	P-Tile 85%						
0000	77	0	0	0	0	2	9	22	22	11	5	2	1	1	1	71	0	5	0	0	0	49.1	42.1	8.1	43	56.53			
0100	46	0	0	0	0	1	5	13	13	7	3	2	1	1	1	42	0	3	0	0	0	50.6	42.9	8.9	27	58.26			
0200	32	0	0	0	0	1	3	8	9	6	2	1	1	1	1	27	0	3	0	0	0	50.7	43.3	8.9	19	61.39			
0300	26	0	0	0	0	1	3	6	7	5	3	1	1	1	0	22	0	3	0	0	0	52.4	43.9	9.1	17	64.59			
0400	31	0	1	0	0	0	3	8	9	5	3	2	1	1	1	26	0	3	0	0	0	51.1	42.5	9.4	19	60.63			
0500	80	0	1	0	0	1	6	20	24	15	8	3	1	1	1	69	0	9	0	0	1	50.7	43.1	8	52	65.02			
0600	282	0	0	0	1	2	23	98	101	38	12	4	2	1	3	244	1	32	0	1	1	46.4	41.3	5.8	158	55.95			
0700	518	0	1	3	4	18	103	224	123	31	7	2	1	1	6	450	2	53	1	4	1	42.8	38.1	5.6	165	31.96			
0800	507	0	1	1	3	25	133	216	96	22	5	2	1	0	5	448	2	47	1	3	0	41.8	37.1	5.4	127	24.98			
0900	457	0	1	1	2	19	114	198	89	23	6	2	1	0	5	401	1	45	1	3	0	42.1	37.5	5.3	121	26.45			
1000	444	0	0	1	2	17	114	192	87	21	6	2	1	0	4	389	2	44	1	3	0	42.1	37.4	5.2	116	26.09			
1100	459	0	1	2	2	17	115	203	91	22	6	1	1	0	5	409	1	39	1	2	0	42.1	37.5	5.3	121	26.3			
1200	509	1	2	2	4	22	137	218	93	22	5	1	1	1	5	459	2	40	1	2	0	41.7	37	5.6	123	24.06			
1300	507	0	1	2	2	21	131	224	95	23	6	2	1	0	5	457	2	39	1	3	0	41.9	37.3	5.1	127	24.98			
1400	528	0	0	2	3	23	143	224	100	23	6	2	1	1	6	477	2	39	1	2	0	41.8	37.2	5.2	132	25.01			
1500	570	0	1	2	4	26	158	244	101	24	6	2	1	0	5	515	2	45	0	1	0	41.6	37	5.3	135	23.65			
1600	570	1	1	3	4	29	149	242	106	26	7	2	1	0	5	526	2	36	0	0	0	41.8	37.1	5.5	142	24.86			
1700	567	1	1	3	5	30	152	237	102	25	6	2	1	1	5	530	2	29	0	1	0	41.8	37	5.7	138	24.33			
1800	524	1	1	2	3	21	130	224	103	26	7	3	1	1	6	491	2	24	0	0	0	42.3	37.5	5.7	141	26.96			
1900	456	0	0	0	1	19	118	191	91	25	7	2	1	1	3	431	1	21	0	0	0	42.5	37.7	5.4	127	27.81			
2000	346	0	1	1	2	14	76	142	76	23	7	2	1	1	3	327	1	16	0	0	0	43.3	38.2	6	111	32.03			
2100	259	0	0	0	1	9	49	105	63	20	7	3	1	1	2	244	0	13	0	0	0	44.1	39.1	6.2	95	36.68			
2200	206	0	0	0	0	5	34	78	55	20	7	3	2	1	2	194	0	9	0	0	0	45.3	39.9	6.5	88	42.64			
2300	139	0	0	0	0	3	19	48	39	17	7	3	1	2	1	130	0	7	0	0	0	47	40.9	7.2	68	48.95			
07-19	6159	6	13	23	39	267	1578	2647	1187	289	73	22	9	6	60	5552	20	481	8	25	3	5	42	37.3	5.4	1586	25.76		
06-22	7503	6	14	25	43	311	1844	3183	1517	396	106	34	15	10	70	6798	23	562	8	26	4	5	42.4	37.6	5.6	2077	27.68		
06-00	7848	6	14	25	44	319	1897	3309	1611	432	119	40	17	13	74	7122	24	578	8	26	4	5	42.5	37.7	5.7	2233	28.45		
00-00	8139	6	16	26	45	325	1926	3386	1694	480	143	52	23	19	79	7380	24	604	9	26	4	6	42.8	37.9	5.9	2410	29.61		

Vehicles = 480224

Posted speed limit = 40 mph, Exceeding = 142193 (29.61%), Mean Exceeding = 44.35 mph

Maximum = 121.5 mph, Minimum = 3.2 mph, Mean = 37.9 mph

85% Speed = 42.78 mph, 95% Speed = 47.42 mph, Median = 37.47 mph

10 mph Pace = 32 - 42, Number in Pace = 339858 (70.77%)

Variance = 34.34, Standard Deviation = 5.86 mph

SLOW MOVING OR STATIONARY TRAFFIC

DAILY TRAFFIC FLOWS NORTHBOUND

12000

10000

8000

6000

4000

2000

0

01/08/16

02/08/16

03/08/16

04/08/16

05/08/16

06/08/16

07/08/16

08/08/16

09/08/16

10/08/16

11/08/16

12/08/16

13/08/16

14/08/16

15/08/16

16/08/16

17/08/16

18/08/16

19/08/16

7662

9095

9986

9923

9019

7442

6370

8026

8560

8476

8123

8345

7037

6282

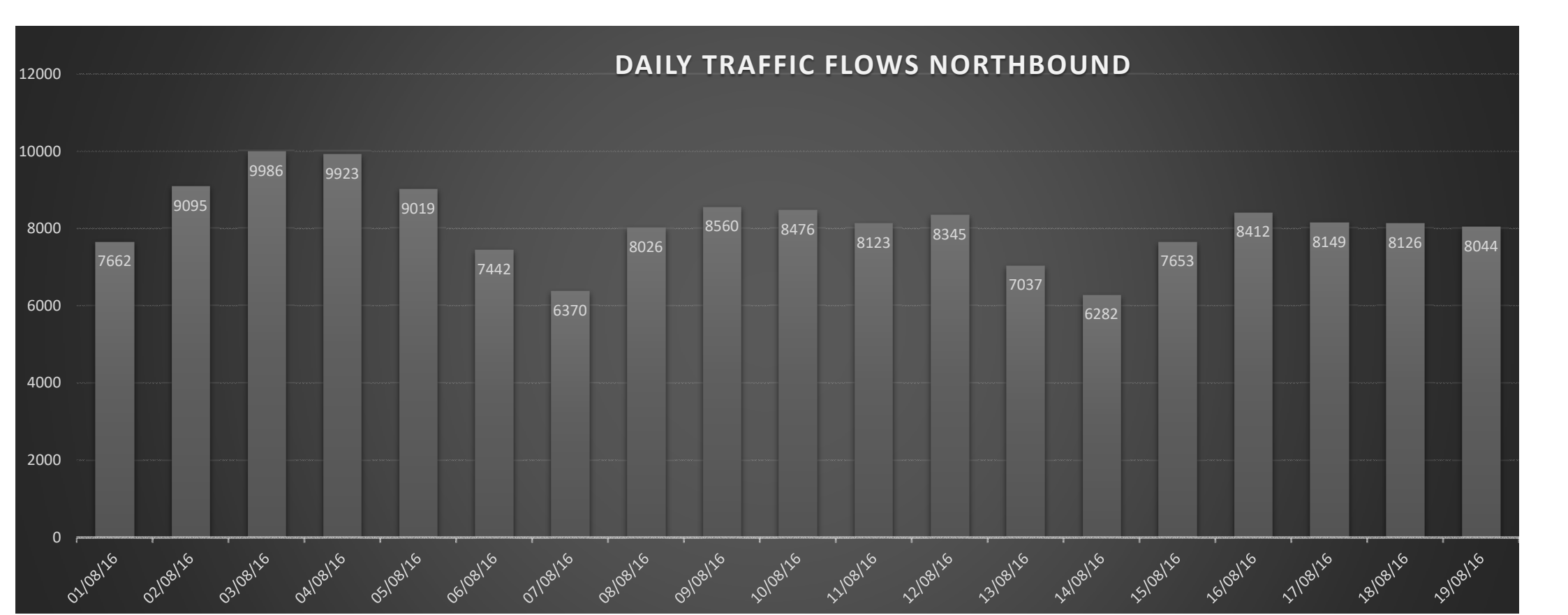
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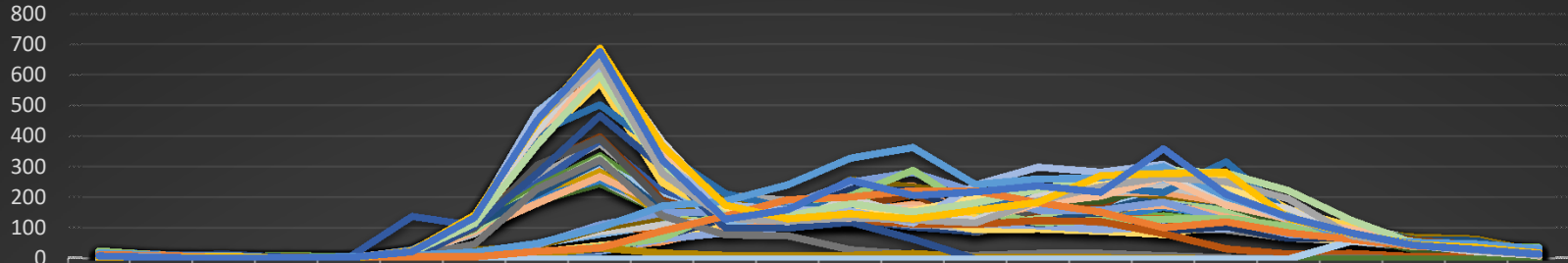
8126

8044



TRAFFIC TOTALS

NUMBER OF VEHICLES



- 42583 Hourly Totals
- 42584 Hourly Totals
- 42585 Hourly Totals
- 42586 Hourly Totals
- 42587 Hourly Totals
- 42588 Hourly Totals
- 42589 Hourly Totals
- 42590 Hourly Totals
- 42591 Hourly Totals
- 42592 Hourly Totals
- 42593 Hourly Totals
- 42594 Hourly Totals
- 42595 Hourly Totals
- 42596 Hourly Totals
- 42597 Hourly Totals
- 42598 Hourly Totals
- 42599 Hourly Totals
- 42600 Hourly Totals
- 42601 Hourly Totals
- 42602 Hourly Totals
- 42603 Hourly Totals
- 42604 Hourly Totals
- 42605 Hourly Totals
- 42606 Hourly Totals
- 42607 Hourly Totals
- 42608 Hourly Totals
- 42609 Hourly Totals
- 42610 Hourly Totals

	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
42583 Hourly Totals	16	7	1	0	3	22	115	246	289	176	144	145	142	131	127	114	153	205	149	95	76	51	48	16
42584 Hourly Totals	8	5	1	2	2	26	110	250	294	182	145	142	168	160	145	161	181	257	219	117	66	57	48	27
42585 Hourly Totals	17	2	4	6	5	18	109	271	377	208	209	191	172	167	146	151	220	291	154	152	106	67	38	31
42586 Hourly Totals	8	3	3	9	3	22	109	249	314	217	147	135	132	165	128	157	222	248	218	162	92	60	40	37
42587 Hourly Totals	16	4	6	3	6	23	96	206	323	181	129	150	166	162	134	224	274	287	168	128	71	63	43	24
42588 Hourly Totals	25	13	5	12	6	5	25	47	89	114	142	182	195	208	153	160	127	142	121	105	83	42	40	38
42589 Hourly Totals	23	15	7	5	4	9	8	25	24	60	130	152	172	172	122	99	92	113	103	108	69	54	36	16
42590 Hourly Totals	9	2	2	1	2	19	111	208	267	157	128	124	135	117	127	137	157	196	150	104	78	49	30	22
42591 Hourly Totals	11	6	6	5	4	19	102	236	312	215	129	150	129	147	86	139	130	227	175	116	81	66	57	23
42592 Hourly Totals	12	7	0	5	0	23	101	205	312	162	116	137	128	127	169	133	197	233	174	142	88	71	65	24
42593 Hourly Totals	13	7	1	2	3	16	97	208	278	164	140	130	128	104	89	145	149	199	158	127	75	62	41	23
42594 Hourly Totals	13	7	3	0	4	20	94	189	246	153	131	117	182	135	122	148	139	223	164	106	83	56	36	37
42595 Hourly Totals	19	10	5	6	2	8	13	49	81	112	149	164	159	147	129	163	119	100	128	103	73	46	34	36
42596 Hourly Totals	25	13	4	7	2	5	10	21	36	56	104	171	221	239	134	105	108	100	118	98	72	51	45	19
42597 Hourly Totals	12	10	5	3	3	17	83	206	258	153	122	105	125	118	97	122	146	170	152	108	66	49	46	23
42598 Hourly Totals	8	1	2	5	3	21	93	243	319	162	139	147	152	150	125	118	181	216	160	113	83	54	35	27
42599 Hourly Totals	13	6	3	5	1	23	100	251	320	171	127	166	162	148	134	127	180	203	164	143	110	58	43	26
42600 Hourly Totals	8	5	5	2	2	25	92	232	311	215	165	171	139	132	129	122	157	205	166	135	81	57	33	22
42601 Hourly Totals	7	6	3	5	1	13	91	202	257	172	125	131	130	146	118	127	132	169	140	138	82	60	55	27
42602 Hourly Totals	26	9	3	3	6	7	22	45	101	98	140	162	153	179	141	122	133	131	100	102	70	36	35	33
42603 Hourly Totals	20	8	8	4	6	7	10	19	34	68	127	125	153	136	129	107	110	97	95	68	58	38	40	12
42604 Hourly Totals	6	1	3	3	1	15	99	223	283	145	118	121	135	131	125	115	141	200	141	111	72	49	41	15
42605 Hourly Totals	11	4	1	3	6	139	109	247	387	219	132	146	168	128	114	123	145	201	161	131	97	50	42	19
42606 Hourly Totals	6	7	3	3	5	13	108	235	337	200	130	140	134	171	123	131	197	229	204	112	104	64	43	16
42607 Hourly Totals	11	5	0	4	5	16	98	222	311	201	127	135	118	156	119	136	185	199	180	143	112	57	44	19
42608 Hourly Totals	12	5	2	3	5	11	91	182	269	172	135	169	151	178	159	131	165	175	149	128	81	54	44	22
42609 Hourly Totals	17	5	8	3	5	5	14	49	89	111	132	156	171	165	136	161	145	103	107	100	72	51	46	32
42610 Hourly Totals	23	8	6	5	3	7	7	22	44	64	107	132	139	142	95	98	91	80	115	76	58	45	36	31
42611 Hourly Totals	19	6	2	1	2	6	11	27	27	65	85	104	131	111	114	109	96	105	98	101	65	42	35	20

42611 Hourly Totals	19	0	2	1	2	0	11	27	27	65	85	104	131	111	114	109	90	105	98	101	65	42	55	20
42612 Hourly Totals	12	4	4	3	2	22	96	224	329	149	141	145	175	130	136	132	147	210	161	129	86	58	46	19
42613 Hourly Totals	11	1	0	3	4	17	109	214	318	160	139	118	121	127	145	118	157	208	182	132	102	63	60	14
42614 Hourly Totals	16	4	1	0	2	16	108	305	399	192	131	140	170	210	128	156	174	274	204	131	89	62	46	25
42615 Hourly Totals	10	2	2	4	0	13	101	307	393	183	135	140	181	141	116	163	229	224	194	143	97	47	38	23
42616 Hourly Totals	18	8	7	9	3	13	29	43	100	136	205	152	259	235	209	178	223	206	187	155	66	60	31	25
42617 Hourly Totals	25	11	16	6	4	5	12	23	31	73	133	151	228	224	137	116	130	91	106	67	69	44	38	25
42618 Hourly Totals	4	5	4	2	0	27	112	384	622	271	135	130	121	135	114	191	189	240	177	112	74	31	24	19
42619 Hourly Totals	7	7	5	4	1	23	133	481	643	256	110	125	143	119	186	237	215	246	224	141	83	50	33	23
42620 Hourly Totals	9	2	1	4	2	28	110	419	602	325	94	118	130	128	134	175	217	218	185	128	109	51	33	18
42621 Hourly Totals	8	8	2	2	2	23	129	417	605	357	165	125	120	128	133	207	213	236	200	136	83	57	30	17
42622 Hourly Totals	17	5	2	4	1	21	116	384	576	248	144	140	136	149	137	220	236	283	271	162	106	42	41	26
42623 Hourly Totals	10	6	6	2	3	4	16	47	112	150	154	173	251	283	218	159	159	186	124	81	69	44	26	34
42624 Hourly Totals	26	12	6	3	2	6	8	22	39	68	157	150	206	290	159	118	127	130	133	106	67	40	44	24
42625 Hourly Totals	8	6	1	4	2	30	128	412	504	352	214	165	180	146	181	200	236	217	318	145	87	44	40	14
42626 Hourly Totals	10	1	4	0	3	28	131	428	616	325	135	127	128	114	113	126	122	83	33	16	18	8	11	6
42627 Hourly Totals	3	0	0	1	2	9	49	229	323	141	79	76	30	15	12	18	18	11	4	0	2	0	0	0
42628 Hourly Totals	0	0	0	0	0	0	1	14	36	19	12	11	12	18	6	7	4	2	0	1	0	0	0	0
42629 Hourly Totals	0	0	0	0	0	1	108	280	468	299	102	101	120	65	0	0	0	0	0	0	0	0	0	0
42630 Hourly Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42631 Hourly Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	45	35	12
42632 Hourly Totals	8	2	3	3	2	20	144	416	608	345	154	132	134	167	124	182	205	266	176	131	97	52	35	10
42633 Hourly Totals	6	3	3	2	2	20	143	419	669	382	162	121	199	140	127	205	229	287	199	164	60	47	24	12
42634 Hourly Totals	8	6	3	2	6	20	131	455	659	322	169	136	155	158	198	232	246	296	241	141	69	43	31	30
42635 Hourly Totals	6	3	2	2	6	23	134	479	624	314	176	162	156	117	242	300	284	309	207	131	77	52	36	15
42636 Hourly Totals	16	3	3	0	3	22	116	373	599	290	141	140	181	153	183	227	268	290	281	223	127	51	49	26
42637 Hourly Totals	19	12	12	3	8	12	23	51	102	173	189	242	329	364	243	262	264	302	203	140	64	55	49	33
42638 Hourly Totals	14	11	7	6	6	8	7	25	36	92	140	194	202	223	222	184	153	102	121	85	64	42	35	20
42639 Hourly Totals	8	7	1	1	4	28	137	453	642	280	133	124	135	128	118	190	236	267	252	196	76	45	29	13
42640 Hourly Totals	4	2	9	2	2	26	144	447	688	370	176	131	148	131	159	185	272	279	283	132	84	47	38	19
42641 Hourly Totals	10	5	2	5	5	24	136	454	677	323	130	161	257	207	219	239	218	360	211	136	85	45	31	16

TIME

- 42611 Hourly Totals
- 42612 Hourly Totals
- 42613 Hourly Totals
- 42614 Hourly Totals
- 42615 Hourly Totals
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- 42630 Hourly Totals
- 42631 Hourly Totals
- 42632 Hourly Totals
- 42633 Hourly Totals
- 42634 Hourly Totals

NOBAL TRAFFIC REPORT

Report Id - CustomList-43

Site Name - 59001

Description - PAINTERS ROAD [30MPH] WEST OF HAINAULT ROAD SURVEY PERIOD; 1ST AUGUST 2016 - 28TH SEPTEMBER 2016

Direction - West AMAGE FROM THE 14-9 TO THE 18-9 DATA WAS NOT RECORDED FOR

Virtual Day (59)

REPORT IS AN AVERAGED REPORT BASED ON 59 DAYS OF DATA
 SURVEY CARRIED OUT OVER SCHOOL SUMMER BREAK
 SURVEY PERIOD; 1ST AUGUST 2016 - 28TH SEPTEMBER 2016
 AMAGE FROM THE 14-9 TO THE 18-9 DATA WAS NOT RECORDED FOR
 PAINTERS ROAD HAS A 7.5 tonne LIMIT

Time	Hourly Totals	Vehicle Speed													Number Vehicle Classes ARX Scheme					Average Speed	Standard deviation	Number Above Speed Limit	% Above Speed Limit	
		MPH 0	MPH 10	MPH 15	MPH 20	MPH 25	MPH 30	MPH 35	MPH 40	MPH 45	MPH 50	MPH 55	MPH 60	MPH 65	Motor Cycles	Car Van	Car Van Towing	2 Axle Van Lorry	3 Axle Rigid					P-Tile 85%
0000	12	0	0	0	0	1	2	3	2	2	1	1	0	0	0	12	0	0	0	51.6	41.9	9.7	11	94.06
0100	5	0	0	0	0	0	1	1	1	1	0	0	0	0	0	5	0	0	0	44.1	12.2	5	94.74	
0200	4	0	0	0	0	0	1	1	1	1	0	0	0	0	0	3	0	0	0	42.7	10.2	3	93.27	
0300	3	0	0	0	0	0	0	1	1	1	0	0	0	0	0	3	0	0	0	43.5	10	3	94.79	
0400	3	0	0	0	0	0	0	1	1	0	0	0	0	0	0	3	0	0	0	42.8	9.8	3	95.48	
0500	18	0	0	0	0	2	6	4	3	2	1	0	0	0	17	0	1	0	49.9	42	7.4	17	97.43	
0600	80	0	0	0	0	1	7	21	22	14	8	4	1	2	1	71	0	8	0	51.4	43.5	8.2	79	98.38
0700	221	0	0	0	0	5	27	77	65	29	10	4	1	1	1	205	0	14	0	46.5	40.6	6.4	214	97.15
0800	315	1	0	0	1	11	64	118	79	28	8	3	1	1	2	293	0	19	0	44.3	38.8	6.1	302	95.65
0900	186	0	0	0	1	13	36	67	43	17	6	2	1	1	1	170	0	13	0	44.6	38.7	6.7	172	92.57
1000	132	0	0	0	1	12	29	44	27	12	4	2	1	0	1	122	0	9	0	44.7	38.2	7.1	119	89.81
1100	136	0	0	0	1	12	29	44	30	12	5	2	1	1	1	127	0	7	0	44.8	38.5	7.2	123	90.12
1200	152	0	0	0	2	12	31	50	34	14	5	2	1	1	1	143	0	8	0	45.2	38.8	7.4	139	91.13
1300	149	0	0	0	1	12	30	49	34	14	5	2	1	1	1	140	0	8	0	45.4	38.9	7.5	136	90.98
1400	132	0	0	0	1	10	25	43	31	13	5	2	1	1	1	123	0	7	0	45.6	39.1	7.5	121	91.76
1500	146	0	0	0	1	8	29	49	34	15	6	2	1	1	1	135	0	9	0	45.6	39.3	7.4	136	93.45
1600	163	0	0	0	1	9	31	54	40	17	6	3	1	1	2	152	0	9	0	45.8	39.4	7.4	153	93.53
1700	189	0	0	0	1	8	33	65	47	20	7	3	1	1	2	177	0	9	0	46	39.7	7.3	179	94.8
1800	156	0	0	0	0	7	28	52	38	17	7	3	1	1	1	149	0	6	0	46.4	40	7.5	148	94.7
1900	112	0	0	0	1	7	23	37	24	11	5	2	1	1	1	108	0	4	0	46.4	39.6	7.8	105	93.4
2000	74	0	0	0	1	5	16	23	15	7	3	2	1	1	1	71	0	2	0	46.8	39.5	8.8	68	91.89
2100	47	0	0	0	0	4	10	14	10	5	2	1	1	1	0	46	0	1	0	47	39.6	8.3	43	90.84
2200	36	0	0	0	0	2	8	10	7	4	2	1	0	1	0	36	0	0	0	48.6	40.4	9.3	34	92.75
2300	21	0	0	0	0	1	4	6	4	3	1	1	0	1	0	21	0	0	0	50.2	41.7	9.4	20	95.47
07-19	2078	3	2	2	11	120	392	712	501	208	74	30	12	12	16	1936	4	117	3	45.4	39.2	7.1	1941	93.42
06-22	2393	3	2	2	12	136	447	806	573	245	94	40	15	16	20	2231	4	132	3	45.7	39.4	7.3	2237	93.48
06-00	2450	3	2	2	13	139	459	822	585	252	97	42	16	18	20	2288	4	133	3	45.8	39.4	7.3	2290	93.49
00-00	2495	3	2	3	13	141	465	834	595	258	101	44	17	19	20	2330	4	135	3	45.9	39.5	7.4	2333	93.53

Vehicles = 147201

Posted speed limit = 30 mph, Exceeding = 137673 (93.53%), Mean Exceeding = 40.34 mph

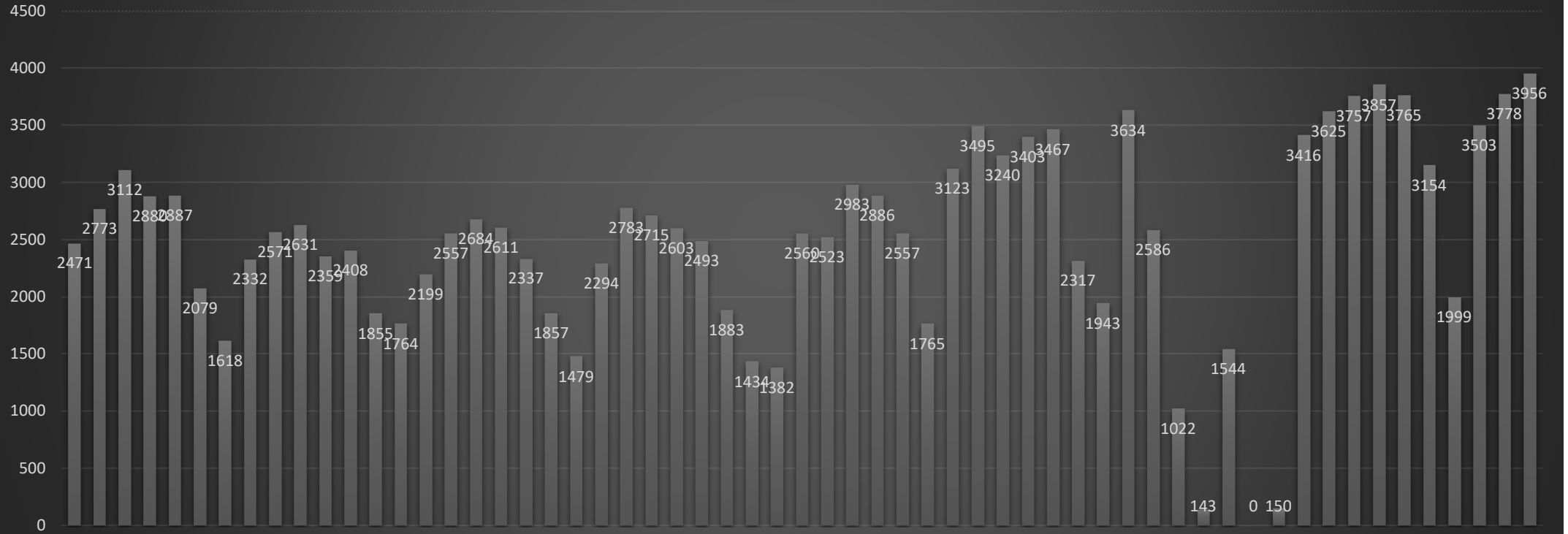
Maximum = 126.2 mph, Minimum = 0.3 mph, Mean = 39.5 mph

85% Speed = 45.91 mph, 95% Speed = 52.23 mph, Median = 38.70 mph

10 mph Pace = 33 - 43, Number in Pace = 87794 (59.64%)

Variance = 54.51, Standard Deviation = 7.38 mph

DAILY TRAFFIC FLOWS WESTBOUND



DATE Time	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	##### Hourly Totals	
0000	15	14	23	11	23	28	42	15	16	16	16	18	18	23	16	15	15	14	15	30	30	12	16
0100	13	9	8	8	9	22	20	14	7	10	6	11	14	21	13	4	9	6	13	16	11	8	6
0200	2	5	5	7	6	10	15	9	7	6	12	7	10	13	9	4	9	7	9	8	11	6	7
0300	1	3	2	5	4	7	5	6	1	6	3	3	7	6	5	5	5	3	9	6	6	3	5
0400	3	4	4	2	5	7	8	3	4	1	2	4	3	4	6	6	3	6	2	9	8	3	6
0500	9	11	13	12	9	12	11	9	10	11	12	6	10	7	9	11	13	11	14	8	5	9	121
0600	26	18	28	29	26	15	15	25	38	34	29	27	12	11	24	29	32	21	28	11	11	26	37
0700	71	71	73	67	77	41	19	80	85	81	70	81	29	21	82	75	83	82	74	32	27	78	74
0800	106	117	102	105	111	74	42	95	104	102	89	95	65	49	94	118	89	96	101	60	40	87	105
0900	106	104	108	99	110	105	61	83	104	100	104	92	95	52	81	89	109	98	107	91	60	86	110
1000	86	98	104	107	108	118	71	90	93	96	107	119	147	86	90	98	97	110	109	123	77	92	89
1100	111	114	117	116	137	160	112	108	113	97	125	123	159	116	129	109	108	144	111	137	94	101	105
1200	119	109	146	132	154	169	159	121	157	133	148	150	138	137	129	136	128	126	115	181	132	140	151
1300	126	135	161	145	154	160	152	132	145	132	118	128	149	143	116	117	134	138	139	153	154	127	116
1400	141	123	132	140	183	154	155	153	138	139	135	159	125	146	145	144	136	131	147	149	126	122	156
1500	146	173	172	168	429	154	138	149	160	163	157	164	144	110	148	170	174	148	169	148	127	144	150
1600	202	188	189	201	235	136	129	193	177	190	185	184	126	120	154	173	177	186	212	126	122	167	177
1700	215	214	216	226	252	141	97	210	184	221	229	209	124	86	205	215	198	202	171	122	123	211	201
1800	159	173	191	180	174	131	95	169	182	168	175	180	113	92	172	205	150	171	170	111	93	170	166
1900	100	137	138	135	105	114	82	127	122	150	118	99	89	88	121	119	146	138	112	85	78	121	130
2000	97	94	105	105	101	91	75	100	99	99	95	75	84	72	86	77	107	91	78	65	79	80	94
2100	58	55	69	62	73	85	62	50	56	93	77	82	64	68	68	63	81	68	74	67	54	38	53
2200	34	54	58	64	55	50	48	32	58	63	45	52	58	36	46	45	61	52	50	41	38	42	44
2300	34	24	37	26	55	39	26	30	30	33	35	38	34	28	36	27	34	29	45	32	20	25	25
TOTAL S	1980	2047	2201	2152	2595	2023	1639	2003	2090	2144	2092	2106	1817	1535	1984	2054	2098	2078	2074	1811	1526	1898	2144

Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals
16	20	23	25	34	25	14	15	23	16	24	31	16	14	9	17	15	22	21	28	12	14	0	0
11	13	5	13	12	14	7	8	5	11	6	9	7	9	12	13	7	9	13	9	9	6	1	1
2	5	4	8	9	10	7	5	9	3	11	13	4	5	7	2	10	7	18	6	4	8	0	0
6	3	4	8	9	5	5	2	2	4	5	5	2	1	3	4	3	8	9	6	3	2	1	0
5	4	5	5	5	4	5	5	1	6	3	4	2	4	7	3	4	2	1	4	5	6	0	0
7	11	8	8	12	6	14	11	13	8	9	7	14	13	5	10	11	6	10	13	9	8	0	2
32	27	30	13	14	7	24	23	24	23	17	13	28	34	34	38	24	19	12	33	40	25	9	21
86	82	85	29	17	27	73	97	86	99	37	30	100	116	136	116	108	34	18	101	124	128	33	102
101	105	93	61	38	41	93	116	107	114	67	41	157	172	164	171	168	83	48	181	168	163	57	231
86	109	98	102	66	53	93	95	110	121	113	55	104	135	100	125	123	111	76	138	103	106	63	132
104	128	116	133	88	80	113	98	104	111	136	97	101	114	107	104	102	140	103	159	101	96	65	90
103	137	125	147	94	106	143	126	109	136	165	119	110	120	109	139	116	127	130	157	113	135	89	136
139	133	164	150	140	113	133	126	144	168	169	186	121	149	116	132	143	188	157	171	136	102	64	131
117	130	125	145	126	130	150	143	146	93	177	166	139	153	136	133	152	178	194	149	140	67	106	77
158	158	141	157	119	140	136	144	157	164	176	132	165	146	177	153	181	165	148	178	145	76	50	0
166	183	196	140	105	116	142	177	200	205	149	159	215	211	227	211	235	169	164	218	199	79	39	0
187	182	226	145	93	121	188	180	212	230	161	140	199	240	273	219	238	154	149	375	222	58	12	0
281	191	204	127	89	95	222	221	215	219	162	100	256	252	273	264	252	127	131	232	234	21	9	0
176	192	181	123	93	108	180	195	198	191	138	88	157	196	212	177	242	130	109	198	171	11	2	0
132	116	111	87	87	78	118	148	152	122	121	71	121	145	165	147	132	117	91	114	108	4	1	1
104	100	95	76	79	60	88	107	113	86	91	76	84	92	76	101	87	68	59	81	65	2	1	0
80	83	70	69	51	54	73	71	71	59	57	61	53	62	69	54	66	55	61	61	59	3	0	0
53	58	64	57	31	51	55	66	46	60	52	32	58	37	45	43	40	45	35	45	24	2	0	0
30	31	47	38	29	26	21	28	23	41	50	27	22	24	33	30	42	43	35	17	24	1	1	0
2182	2201	2220	1866	1440	1470	2097	2207	2270	2290	2096	1662	2235	2444	2495	2406	2501	2007	1792	2674	2218	1123	603	924

DATA NOT RECORDED TUBES DAMAGED

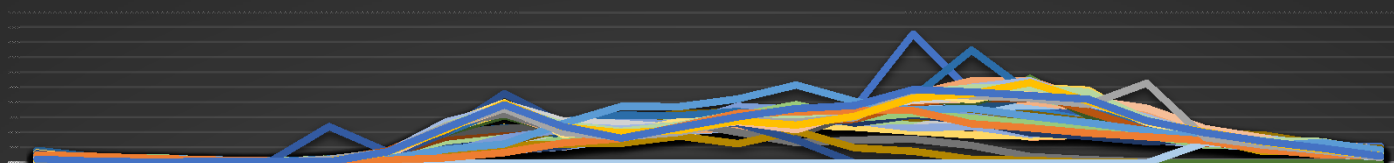
Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals	Hourly Totals
0	0	17	14	7	14	11	23	27	12	9	12
0	0	6	9	10	4	9	19	22	6	6	6
0	0	5	6	8	6	4	15	15	1	3	3
0	0	1	2	3	6	5	11	10	4	4	5
0	0	2	2	2	1	5	4	7	2	5	6
0	0	9	6	9	6	6	10	2	12	5	4
0	0	26	29	31	34	31	14	9	36	36	37
0	0	116	130	127	136	124	45	17	122	110	116
0	0	181	197	200	186	185	63	34	180	198	193
0	0	101	140	95	122	129	130	66	102	120	121
0	0	96	131	100	113	105	188	81	86	100	82
0	0	114	118	137	124	126	187	121	102	109	119
0	0	137	145	140	155	163	213	164	141	140	153
0	0	110	134	145	145	150	259	170	136	126	181
0	0	174	160	163	158	188	205	174	151	155	191
0	0	208	211	233	215	233	176	174	236	216	244
0	0	213	217	209	251	249	181	130	223	230	236
0	0	247	262	251	273	250	155	116	215	267	224
0	0	210	208	215	197	235	134	99	194	205	212
0	0	182	149	135	152	144	107	87	265	139	140
0	67	114	78	94	86	92	81	74	84	103	100
0	56	83	53	61	59	74	56	44	59	70	72
0	29	37	46	45	52	71	68	28	41	45	49
0	20	32	24	24	21	36	43	23	18	24	23
0	172	2421	2471	2444	2516	2625	2387	1694	2428	2425	2529

DATA NOT RECORDED TUBES DAMAGED

TRAFFIC TOTALS

NUMBER OF VEHICLES

500
400
300
200
100
0



	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
01/08/16 Hourly Totals	15	13	2	1	3	9	26	71	106	106	86	111	119	126	141	146	202	215	159	100	97	58	34	34
02/08/16 Hourly Totals	14	9	5	3	4	11	18	71	117	104	98	114	109	135	123	173	188	214	173	137	94	55	54	24
03/08/16 Hourly Totals	23	8	5	2	4	13	28	73	102	108	104	117	146	161	132	172	189	216	191	138	105	69	58	37
04/08/16 Hourly Totals	11	8	7	5	2	12	29	67	105	99	107	116	132	145	140	168	201	226	180	135	105	62	64	26
05/08/16 Hourly Totals	23	9	6	4	5	9	26	77	111	110	108	137	154	154	183	429	235	252	174	105	101	73	55	55
06/08/16 Hourly Totals	28	22	10	7	7	12	15	41	74	105	118	160	169	160	154	154	136	141	131	114	91	85	50	39
07/08/16 Hourly Totals	42	20	15	5	8	11	15	19	42	61	71	112	159	152	155	138	129	97	95	82	75	62	48	26
08/08/16 Hourly Totals	15	14	9	6	3	9	25	80	95	83	90	108	121	132	153	149	193	210	169	127	100	50	32	30
09/08/16 Hourly Totals	16	7	7	1	4	10	38	85	104	104	93	113	157	145	138	160	177	184	182	122	99	56	58	30
10/08/16 Hourly Totals	16	10	6	6	1	11	34	81	102	100	96	97	133	132	139	163	190	221	168	150	99	93	63	33
11/08/16 Hourly Totals	16	6	12	3	2	12	29	70	89	104	107	125	148	118	135	157	185	229	175	118	95	77	45	35
12/08/16 Hourly Totals	18	11	7	3	4	6	27	81	95	92	119	123	150	128	159	164	184	209	180	99	75	82	52	38
13/08/16 Hourly Totals	18	14	10	7	3	10	12	29	65	95	147	159	138	149	125	144	126	124	113	89	84	64	58	34
14/08/16 Hourly Totals	23	21	13	6	4	7	11	21	49	52	86	116	137	143	146	110	120	86	92	88	72	68	36	28
15/08/16 Hourly Totals	16	13	9	5	6	9	24	82	94	81	90	129	129	116	145	148	154	205	172	121	86	68	46	36
16/08/16 Hourly Totals	15	4	4	5	6	11	29	75	118	89	98	109	136	117	144	170	173	215	205	119	77	63	45	27
17/08/16 Hourly Totals	15	9	9	5	3	13	32	83	89	109	97	108	128	134	136	174	177	198	150	146	107	81	61	34
18/08/16 Hourly Totals	14	6	7	3	6	11	21	82	96	98	110	144	126	138	131	148	186	202	171	138	91	68	52	29
19/08/16 Hourly Totals	15	13	9	9	2	14	28	74	101	107	109	111	115	139	147	169	212	171	170	112	78	74	50	45
20/08/16 Hourly Totals	30	16	8	6	9	8	11	32	60	91	123	137	181	153	149	148	126	122	111	85	65	67	41	32
21/08/16 Hourly Totals	30	11	11	6	8	5	11	27	40	60	77	94	132	154	126	127	122	123	93	78	79	54	38	20
22/08/16 Hourly Totals	12	8	6	3	3	9	26	78	87	86	92	101	140	127	122	144	167	211	170	121	80	38	42	25
23/08/16 Hourly Totals	16	6	7	5	6	121	37	74	105	110	89	105	151	116	156	150	177	201	166	130	94	53	44	25
24/08/16 Hourly Totals	16	11	2	6	5	7	32	86	101	86	104	103	139	117	158	166	187	281	176	132	104	80	53	30
25/08/16 Hourly Totals	20	13	5	3	4	11	27	82	105	109	128	137	133	130	158	183	182	191	192	116	100	83	58	31
26/08/16 Hourly Totals	23	5	4	4	5	8	30	85	93	98	116	125	164	125	141	196	226	204	181	111	95	70	64	47
27/08/16 Hourly Totals	25	13	8	8	5	8	13	29	61	102	133	147	150	145	157	140	145	127	123	87	76	69	57	38
28/08/16 Hourly Totals	34	12	9	9	5	12	14	17	38	66	88	94	140	126	119	105	93	89	93	87	79	51	31	29
29/08/16 Hourly Totals	25	14	10	5	4	6	7	27	41	53	80	106	113	130	140	116	121	95	108	78	60	54	51	26
30/08/16 Hourly Totals	14	7	7	5	5	14	24	73	93	93	113	143	133	150	136	142	188	222	180	118	88	73	55	21
31/08/16 Hourly Totals	15	8	5	2	5	11	23	97	116	95	98	126	126	143	144	177	180	221	195	148	107	71	66	28
01/09/16 Hourly Totals	23	5	9	2	1	13	24	86	107	110	104	109	144	146	157	200	212	215	198	152	113	71	46	23

- 01/08/16 Hourly Totals
- 02/08/16 Hourly Totals
- 03/08/16 Hourly Totals
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- 23/08/16 Hourly Totals
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- 25/08/16 Hourly Totals
- 26/08/16 Hourly Totals
- 27/08/16 Hourly Totals
- 28/08/16 Hourly Totals
- 29/08/16 Hourly Totals

01/09/16 Hourly Totals	25	9	9	2	1	15	27	88	187	118	184	189	177	178	157	200	212	219	198	192	119	71	48	29
02/09/16 Hourly Totals	16	11	3	4	6	8	23	99	114	121	111	136	168	93	164	205	230	219	191	122	86	59	60	41
03/09/16 Hourly Totals	24	6	11	5	3	9	17	37	67	113	136	165	169	177	176	149	161	162	138	121	91	57	52	50
04/09/16 Hourly Totals	31	9	13	5	4	7	13	30	41	55	97	119	186	166	132	159	140	100	88	71	76	61	32	27
05/09/16 Hourly Totals	16	7	4	2	2	14	28	100	157	104	101	110	121	139	165	215	199	256	157	121	84	53	58	22
06/09/16 Hourly Totals	14	9	5	1	4	13	34	116	172	135	114	120	149	153	146	211	240	252	196	145	92	62	37	24
07/09/16 Hourly Totals	9	12	7	3	7	5	34	136	164	100	107	109	116	136	177	227	273	273	212	165	76	69	45	33
08/09/16 Hourly Totals	17	13	2	4	3	10	38	116	171	125	104	139	132	133	153	211	219	264	177	147	101	54	43	30
09/09/16 Hourly Totals	15	7	10	3	4	11	24	108	168	123	102	116	143	152	181	235	238	252	242	132	87	66	40	42
10/09/16 Hourly Totals	22	9	7	8	2	6	19	34	83	111	140	127	188	178	165	169	154	127	130	117	68	55	45	43
11/09/16 Hourly Totals	21	13	18	9	1	10	12	18	48	76	103	130	157	194	148	164	149	131	109	91	59	61	35	35
12/09/16 Hourly Totals	28	9	6	6	4	13	33	101	181	138	159	157	171	149	178	218	375	232	198	114	81	61	45	17
13/09/16 Hourly Totals	12	9	4	3	5	9	40	124	168	103	101	113	136	140	145	199	222	234	171	108	65	59	24	24
14/09/16 Hourly Totals	14	6	8	2	6	8	25	128	163	106	96	135	102	67	76	79	58	21	11	4	2	3	2	1
15/09/16 Hourly Totals	0	1	0	1	0	0	9	33	57	63	65	89	64	106	50	39	12	9	2	1	1	0	0	1
16/09/16 Hourly Totals	0	1	0	0	0	2	21	102	231	132	90	136	131	77	0	0	0	0	0	1	0	0	0	0
17/09/16 Hourly Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18/09/16 Hourly Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67	56	29	20
19/09/16 Hourly Totals	17	6	5	1	2	9	26	116	181	101	96	114	137	110	174	208	213	247	210	182	114	83	37	32
20/09/16 Hourly Totals	14	9	6	2	2	6	29	130	197	140	131	118	145	134	160	211	217	262	208	149	78	53	46	24
21/09/16 Hourly Totals	7	10	8	3	2	9	31	127	200	95	100	137	140	145	163	233	209	251	215	135	94	61	45	24
22/09/16 Hourly Totals	14	4	6	6	1	6	34	136	186	122	113	124	155	145	158	215	251	273	197	152	86	59	52	21
23/09/16 Hourly Totals	11	9	4	5	5	6	31	124	185	129	105	126	163	150	188	233	249	250	235	144	92	74	71	36
24/09/16 Hourly Totals	23	19	15	11	4	10	14	45	63	130	188	187	213	259	205	176	181	155	134	107	81	56	68	43
25/09/16 Hourly Totals	27	22	15	10	7	2	9	17	34	66	81	121	164	170	174	174	130	116	99	87	74	44	28	23
26/09/16 Hourly Totals	12	6	1	4	2	12	36	122	180	102	86	102	141	136	151	236	223	215	194	265	84	59	41	18
27/09/16 Hourly Totals	9	6	3	4	5	5	36	110	198	120	100	109	140	126	155	216	230	267	205	139	103	70	45	24
28/09/16 Hourly Totals	12	6	3	5	6	4	37	116	193	121	82	119	153	181	191	244	236	224	212	140	100	72	49	23

TIME

- 30/08/16 Hourly Totals
- 31/08/16 Hourly Totals
- 01/09/16 Hourly Totals
- 02/09/16 Hourly Totals
- 03/09/16 Hourly Totals
- 04/09/16 Hourly Totals
- 05/09/16 Hourly Totals
- 06/09/16 Hourly Totals
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- 16/09/16 Hourly Totals
- 17/09/16 Hourly Totals
- 18/09/16 Hourly Totals
- 19/09/16 Hourly Totals
- 20/09/16 Hourly Totals

NOBAL TRAFFIC REPORT

Report Id - CustomList-43

Site Name - 59001

Description - PAINTERS ROAD [30MPH] WEST OF HAINAULT ROAD

Direction - East

Virtual Day (59)

THIS REPORT IS AN AVERAGED REPORT BASED ON 59 DAYS OF DATA

SURVEY CARRIED OUT OVER SCHOOL SUMMER BREAK

SURVEY PERIOD; 1ST AUGUST 2016 - 28TH SEPTEMBER 2016

E DAMAGE FROM THE 14-9 TO THE 18-9 DATA WAS NOT RECORDED FOR TI

PAINTERS ROAD HAS A 7.5 tonne LIMIT

Time	Hourly Totals	Vehicle Speed													Number Vehicle Classes ARX Scheme							Average Speed	Standard deviation	Number Above Speed Limit	% Above Speed Limit	
		MPH 0	MPH 10	MPH 15	MPH 20	MPH 25	MPH 30	MPH 35	MPH 40	MPH 45	MPH 50	MPH 55	MPH 60	MPH 65	Motor Cycles	Car Van	Car Van Towing	2 Axle Van Lorry	3 Axle Rigid	4 Axle Rigid	3 Axle Artic					P-Tile 85%
0000	17	0	0	0	0	0	2	4	4	3	2	1	1	1	0	16	0	1	0	0	0	53.1	43.7	10	17	96.18
0100	10	0	0	0	0	0	1	2	2	2	1	0	0	1	0	9	0	0	0	0	0	44.1	44.1	10.9	9	93.45
0200	7	0	0	0	0	0	1	1	1	1	1	0	0	0	0	6	0	0	0	0	0	45.3	45.3	10.9	7	95.82
0300	4	0	0	0	0	0	0	1	1	1	1	0	0	0	0	4	0	0	0	0	0	45.1	45.1	10.6	4	95.72
0400	4	0	0	0	0	0	1	1	1	1	0	0	0	0	0	4	0	0	0	0	0	43.8	43.8	11.3	4	93.01
0500	11	0	0	0	0	1	2	3	2	2	1	0	0	0	0	9	0	2	0	0	0	49.7	41	8.7	10	93.62
0600	24	0	0	0	0	0	2	5	6	5	2	2	0	0	0	20	0	3	0	0	0	52.1	43.8	8.1	23	97.71
0700	74	0	0	0	0	2	9	20	20	13	6	2	1	1	1	64	0	9	0	0	0	49.4	42.2	7.6	72	96.92
0800	109	0	0	0	0	3	13	30	31	19	7	3	1	1	1	97	0	10	0	0	0	48.5	41.8	7.5	105	96.56
0900	97	0	0	0	0	3	12	28	27	15	6	2	1	1	1	85	0	10	0	0	0	48.2	41.5	7.4	93	96.52
1000	101	0	0	0	1	4	15	29	28	15	6	2	1	1	1	90	0	10	0	0	0	47.7	40.9	7.7	96	94.81
1100	119	0	0	0	1	4	18	35	32	16	7	3	1	1	1	107	0	10	0	0	0	47.5	40.7	7.4	113	95.41
1200	138	0	0	0	1	5	20	42	36	20	7	3	1	1	2	126	0	10	0	0	0	47.4	40.6	7.8	131	94.83
1300	136	0	0	0	0	4	19	39	39	20	8	3	1	1	2	123	0	10	0	0	0	47.8	41.1	7.4	131	96.23
1400	142	0	0	0	1	4	20	42	39	22	8	3	1	2	2	128	0	12	0	0	0	47.9	41.2	7.6	136	96.09
1500	167	0	0	0	1	5	22	50	48	25	10	4	2	2	1	151	0	14	0	0	0	47.6	41.2	7.4	161	96.23
1600	174	0	0	0	1	5	23	48	52	27	10	4	2	2	2	160	0	12	0	0	0	47.9	41.3	7.7	168	96.06
1700	182	2	1	0	0	5	21	52	52	29	11	4	2	2	2	168	0	10	0	0	0	48	41.1	8.4	173	95.36
1800	152	0	0	0	1	4	17	43	43	25	11	4	2	2	2	141	0	8	0	0	0	49	42.1	7.9	147	97.04
1900	113	0	0	0	0	4	17	32	29	17	8	4	2	2	1	106	0	6	0	0	0	49	41.6	8.1	109	96.42
2000	82	0	0	0	0	3	12	24	21	11	5	3	1	1	1	77	0	4	0	0	0	48.9	41.6	8.6	78	96.01
2100	60	0	0	0	0	2	10	18	14	8	4	2	1	1	0	57	0	3	0	0	0	49.4	41.7	8.5	58	96.08
2200	45	0	0	0	0	2	7	12	11	6	3	2	1	1	0	42	0	2	0	0	0	49.6	41.8	8.8	43	95.68
2300	29	0	0	0	0	1	4	7	7	4	2	1	1	1	0	28	0	1	0	0	0	50.7	42.6	9.5	27	95.33
07-19	1590	3	2	4	6	49	208	459	448	246	96	38	15	16	18	1441	3	124	2	1	1	48	41.3	7.7	1526	95.98
06-22	1868	3	2	4	7	58	248	537	518	287	116	47	20	21	20	1701	3	139	2	1	1	48.2	41.4	7.8	1793	96.03
06-00	1941	3	2	4	7	60	259	556	537	298	121	50	21	23	21	1771	3	142	2	1	1	48.3	41.4	7.9	1864	96.01
00-00	1994	3	2	4	7	63	266	568	548	306	126	53	23	24	22	1818	3	146	2	1	1	48.4	41.4	7.9	1914	95.98

Vehicles = 117626

Posted speed limit = 30 mph, Exceeding = 112898 (95.98%), Mean Exceeding = 42.09 mph

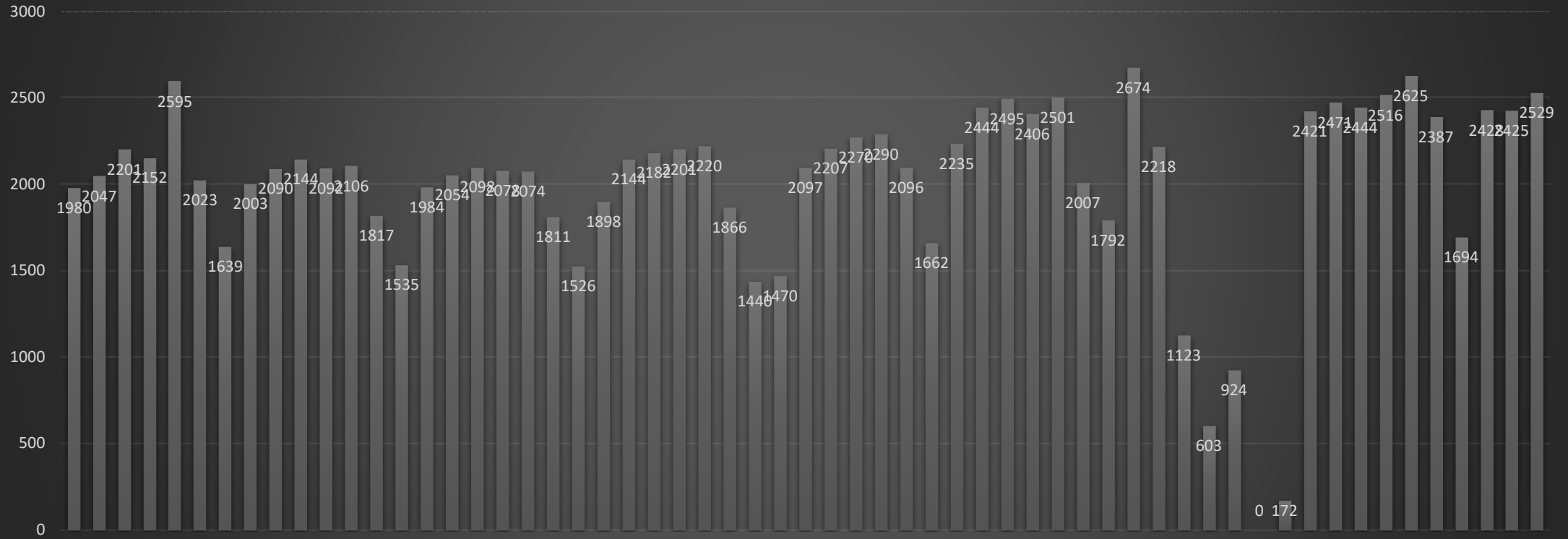
Maximum = 127.1 mph, Minimum = 4.8 mph, Mean = 41.4 mph

85% Speed = 48.37 mph, 95% Speed = 55.03 mph, Median = 40.66 mph

10 mph Pace = 35 - 45, Number in Pace = 65915 (56.04%)

Variance = 63.00, Standard Deviation = 7.94 mph

DAILY TRAFFIC FLOWS EASTBOUND



NOBAL TRAFFIC REPORT

Report Id - CustomList-39

SURVEY CARRIED OUT AT SAME LOCATION AS REDBRIDGE

Site Name - CSW002

Description - HAINAULT ROAD [30MPH] NORTH OF A12

QUEING TRAFFIC FROM TRAFFIC LIGHTS

Direction - South

21 September 2016

Time	Hourly Totals	Vehicle Speed														Number Vehicle Classes ARX Scheme											Average Speed	Standard deviation	Number Above Speed Limit	% Above Speed Limit
		MPH 0	MPH 10	MPH 15	MPH 20	MPH 25	MPH 30	MPH 35	MPH 40	MPH 45	MPH 50	MPH 55	MPH 60	MPH 65	Motor Cycles	Car Van	Car Van Towing	2 Axle Van Lorry	3 Axle Rigid	4 Axle Rigid	3 Axle Artic	4 Axle Artic	5 Axle Artic	6 Axle Artic	P-Tile 85%					
0000	92	0	1	1	12	27	32	15	4	0	0	0	0	0	1	80	0	9	0	0	0	0	1	1	35.7	30.6	5.4	51	55.43	
0100	47	0	1	2	5	17	14	5	2	0	0	1	0	0	0	44	0	3	0	0	0	0	0	0	36.8	30.1	7.2	22	46.81	
0200	28	0	1	1	3	7	4	8	2	1	0	1	0	0	0	24	0	2	0	0	0	0	1	1	40.3	32.3	9.6	16	57.14	
0300	41	0	0	1	4	8	16	11	1	0	0	0	0	0	1	30	0	10	0	0	0	0	0	0	36.4	31.7	5	28	68.29	
0400	49	0	0	2	3	13	17	7	7	0	0	0	0	0	3	39	1	5	0	0	0	0	1	0	40.1	32.1	6.6	31	63.27	
0500	146	0	1	0	15	46	52	28	3	1	0	0	0	0	4	117	0	24	0	1	0	0	0	0	36	30.9	5.1	84	57.53	
0600	355	0	13	28	95	118	72	25	2	1	1	0	0	0	13	288	2	47	2	1	0	2	0	0	32.5	26.7	6	101	28.45	
0700	454	93	168	109	44	21	13	6	0	0	0	0	0	0	16	396	1	29	2	8	0	2	0	0	21.2	15.2	6.4	19	4.185	
0800	413	75	182	124	21	9	2	0	0	0	0	0	0	0	9	363	3	31	5	1	1	0	0	0	17.8	14	4.5	2	0.484	
0900	366	146	160	38	16	5	1	0	0	0	0	0	0	0	7	327	0	27	1	4	0	0	0	0	15.5	11.8	4.5	1	0.273	
1000	413	60	107	65	53	87	33	6	2	0	0	0	0	0	3	361	3	40	2	3	0	0	1	0	28.2	19.1	8.3	41	9.927	
1100	437	61	93	74	91	84	31	2	1	0	0	0	0	0	5	366	4	51	2	6	0	2	1	0	27.5	19.2	7.6	34	7.78	
1200	397	75	125	51	64	56	21	3	2	0	0	0	0	0	8	345	2	35	4	2	0	1	0	0	26.7	17.2	8	26	6.549	
1300	476	110	176	113	53	17	3	1	3	0	0	0	0	0	14	411	4	36	0	7	0	0	2	0	20.2	14.5	6	7	1.471	
1400	358	119	136	58	25	9	7	4	0	0	0	0	0	0	7	302	3	36	4	4	2	0	0	0	18.9	13.3	6.2	11	3.073	
1500	529	100	235	118	49	20	6	0	0	1	0	0	0	0	5	472	1	40	2	6	1	0	0	2	19.6	14.4	5.6	7	1.323	
1600	528	69	161	175	57	43	17	2	3	1	0	0	0	0	10	476	3	32	1	5	0	1	0	0	23.9	16.8	6.7	23	4.356	
1700	492	92	149	158	58	27	7	1	0	0	0	0	0	0	9	454	1	24	2	2	0	0	0	0	21.8	15.4	5.9	8	1.626	
1800	530	92	220	174	34	9	1	0	0	0	0	0	0	0	8	490	3	20	1	5	2	1	0	0	18.6	14.2	4.3	1	0.189	
1900	488	37	96	124	131	73	25	1	1	0	0	0	0	0	0	452	4	26	2	4	0	0	0	0	26.9	19.6	6.6	27	5.533	
2000	405	6	44	70	136	110	31	7	1	0	0	0	0	0	5	373	3	20	3	1	0	0	0	0	28.8	22.7	6	39	9.63	
2100	389	11	38	62	80	117	73	6	0	0	0	0	2	0	4	352	2	24	3	3	0	0	0	1	30.9	23.9	7.2	81	20.82	
2200	384	15	54	71	88	93	45	13	4	1	0	0	0	0	5	358	3	16	1	1	0	0	0	0	30.6	22.9	7.5	63	16.41	
2300	288	1	4	38	76	94	57	16	1	1	0	0	0	0	2	264	3	17	0	1	0	0	1	0	32	26.1	5.6	75	26.04	
07-19	5393	###	###	###	565	387	142	25	11	2	0	0	0	0	101	4763	28	401	26	53	6	7	4	2	22.5	15.4	6.6	180	3.338	
06-22	7030	###	###	###	###	805	343	64	15	3	1	0	2	0	123	6228	39	518	36	62	6	9	4	3	26.1	17.2	7.4	428	6.088	
06-00	7702	###	###	###	###	992	445	93	20	5	1	0	2	0	130	6850	45	551	37	64	6	9	5	3	26.8	17.8	7.6	566	7.349	
00-00	8105	###	###	###	###	###	580	167	39	7	1	2	2	0	139	7184	46	604	37	65	6	9	8	5	27.9	18.5	8.1	798	9.846	

Vehicles = 8105

Posted speed limit = 30 mph, Exceeding = 798 (9.846%), Mean Exceeding = 33.77 mph

Slow moving or queing traffic before traffic lights

Maximum = 60.8 mph, Minimum = 0.8 mph, Mean = 18.5 mph

85% Speed = 27.91 mph, 95% Speed = 32.59 mph, Median = 16.89 mph

10 mph Pace = 8 - 18, Number in Pace = 3951 (48.75%)

Variance = 65.29, Standard Deviation = 8.08 mph

NOBAL TRAFFIC REPORT

SURVEY CARRIED OUT AT SAME LOCATION AS REDBRIDGE

Report Id - CustomList-39

Site Name - CSW002

QUEING TRAFFIC FROM R-A-B AT BILLET ROAD

Description - HAINAULT ROAD [30MPH] NORTH OF A12

Direction - North

22 September 2016

Time	Hourly Totals	Vehicle Speed													Number Vehicle Classes ARX Scheme										Average Speed	Standard deviation	Number Above Speed Limit	% Above Speed Limit	
		MPH 0	MPH 10	MPH 15	MPH 20	MPH 25	MPH 30	MPH 35	MPH 40	MPH 45	MPH 50	MPH 55	MPH 60	MPH 65	Motor Cycles	Car Van	Car Van Towing	2 Axle Van Lorry	3 Axle Rigid	4 Axle Rigid	3 Axle Artic	4 Axle Artic	5 Axle Artic	6 Axle Artic					P-Tile 85%
0000	142	0	0	3	27	46	47	16	2	0	1	0	0	0	3	119	1	12	0	0	0	1	4	2	34.8	29.4	5.4	66	46.48
0100	82	0	0	1	6	34	32	7	1	0	0	1	0	0	1	74	0	7	0	0	0	0	0	0	34.7	30.5	5.3	41	50
0200	43	0	0	0	4	17	17	4	1	0	0	0	0	0	1	39	0	3	0	0	0	0	0	0	34.8	30.3	4	22	51.16
0300	33	0	1	0	3	11	6	11	1	0	0	0	0	0	0	26	0	6	0	0	0	0	1	0	38.5	31.5	6.3	18	54.55
0400	47	0	0	2	4	10	23	4	4	0	0	0	0	0	2	35	0	5	0	0	0	0	5	0	35.4	31	6	31	65.96
0500	84	0	0	3	5	24	32	18	2	0	0	0	0	0	3	72	0	8	0	0	0	0	0	1	36.4	31.1	5.4	52	61.9
0600	251	1	3	2	43	98	79	18	3	2	0	0	1	1	3	228	0	18	0	1	0	1	0	0	33.7	29.3	7	104	41.43
0700	449	3	19	53	146	173	45	9	1	0	0	0	0	0	3	394	3	37	2	7	0	0	0	2	29.5	24.6	5.3	55	12.25
0800	620	40	105	139	158	125	47	6	0	0	0	0	0	0	5	577	3	32	1	2	0	0	0	0	28.1	20.6	6.9	53	8.548
0900	604	12	42	102	219	191	33	5	0	0	0	0	0	0	2	529	2	57	2	9	0	0	2	1	27.8	22.8	5.5	38	6.291
1000	524	7	17	77	187	169	60	6	1	0	0	0	0	0	4	456	1	50	3	7	0	0	0	2	29.5	24.2	5.3	67	12.79
1100	449	4	4	19	146	192	72	10	2	0	0	0	0	0	1	408	1	28	1	8	0	0	0	2	30.9	26.3	4.8	84	18.71
1200	480	3	10	31	132	250	46	7	0	1	0	0	0	0	4	421	0	49	1	5	0	0	0	0	29.4	25.7	4.6	54	11.25
1300	503	5	19	34	169	205	60	8	3	0	0	0	0	0	5	451	0	31	2	11	0	2	0	1	29.9	25.2	5.2	71	14.12
1400	555	9	29	66	160	211	72	8	0	0	0	0	0	0	8	496	2	43	1	5	0	0	0	0	29.9	24.7	5.6	80	14.41
1500	627	16	42	75	229	188	66	8	3	0	0	0	0	0	6	577	3	36	1	2	0	0	0	1	28.9	23.6	5.8	77	12.28
1600	706	5	19	118	235	241	74	11	3	0	0	0	0	0	8	643	2	51	0	2	0	0	0	0	29.5	24.4	5.2	88	12.46
1700	689	11	29	103	258	202	75	11	0	0	0	0	0	0	8	633	1	45	1	1	0	0	0	0	29.5	23.9	5.4	86	12.48
1800	647	3	3	34	224	292	75	12	4	0	0	0	0	0	12	617	2	14	1	0	0	1	0	0	29.7	26.1	4.3	91	14.06
1900	520	3	12	38	158	199	92	12	3	1	1	0	1	0	2	493	1	23	0	0	1	0	0	0	30.7	26.2	5.4	110	21.15
2000	442	0	1	7	84	210	105	24	7	3	0	0	0	1	3	420	2	17	0	0	0	0	0	0	32.4	28.7	6.2	140	31.67
2100	332	0	1	3	41	160	99	24	2	1	1	0	0	0	4	315	0	13	0	0	0	0	0	0	32.9	29.2	4.3	127	38.25
2200	262	0	0	2	23	124	88	22	2	0	1	0	0	0	1	251	0	10	0	0	0	0	0	0	33.6	29.6	4.2	113	43.13
2300	172	0	1	6	7	69	62	22	2	3	0	0	0	0	1	158	1	12	0	0	0	0	0	0	35.2	30.5	5	89	51.74
07-19	6853	118	338	851	2263	2439	725	101	17	1	0	0	0	0	66	6202	20	473	16	59	0	3	2	9	29.5	24.3	5.6	844	12.32
06-22	8398	122	355	901	2589	3106	1100	179	32	8	2	0	2	2	78	7658	23	544	16	60	1	4	2	9	30.2	25	5.8	1325	15.78
06-00	8832	122	356	909	2619	3299	1250	223	36	11	3	0	2	2	80	8067	24	566	16	60	1	4	2	9	30.4	25.2	5.9	1527	17.29
00-00	9263	122	357	918	2668	3441	1407	283	47	11	4	1	2	2	90	8432	25	607	16	60	1	5	12	12	30.8	25.4	6	1757	18.97

Vehicles = 9263

Posted speed limit = 30 mph, Exceeding = 1757 (18.97%), Mean Exceeding = 33.23 mph

Maximum = 114.8 mph, Minimum = 2.3 mph, Mean = 25.4 mph

85% Speed = 30.76 mph, 95% Speed = 34.06 mph, Median = 25.78 mph

10 mph Pace = 21 - 31, Number in Pace = 6272 (67.71%)

Variance = 35.41, Standard Deviation = 5.95 mph

Slow moving or queing traffic from R-A-Bout

Slow moving or queing traffic from R-A-Bout

NOBAL TRAFFIC REPORT

Report Id - CustomList-8

Site Name - CSWO1

Description - BILLET ROAD [30MPH]WEST OF WILLOW FARM

Direction - West

22 September 2016

Time	Hourly Totals	Vehicle Speed													Number Vehicle Classes ARX Scheme										Average Speed	Standard deviation	Number Above Speed Limit	% Above Speed Limit	
		MPH 0	MPH 10	MPH 15	MPH 20	MPH 25	MPH 30	MPH 35	MPH 40	MPH 45	MPH 50	MPH 55	MPH 60	MPH 65	Motor Cycles	Car Van	Car Van Towing	2 Axle Van Lorry	3 Axle Rigid	4 Axle Rigid	3 Axle Artic	4 Axle Artic	5 Axle Artic	6 Axle Artic					P-Tile 85%
0000	89	0	0	2	10	19	33	18	6	1	0	0	0	0	2	73	0	10	0	0	1	0	1	2	37.1	31.9	5.6	58	65.17
0100	50	0	0	0	2	20	15	7	5	1	0	0	0	0	0	42	0	7	0	0	0	1	0	38.6	32	5.2	28	56	
0200	28	0	0	0	1	6	12	7	2	0	0	0	0	0	0	23	0	4	0	0	0	0	1	37.9	33	4.6	21	75	
0300	12	0	0	0	0	1	5	4	1	1	0	0	0	0	0	10	0	2	0	0	0	0	0	41.3	35.8	4.4	11	91.67	
0400	23	0	0	0	0	4	10	1	5	3	0	0	0	0	3	18	0	2	0	0	0	0	0	44.1	36	6.5	19	82.61	
0500	108	0	0	0	1	19	43	34	6	5	0	0	0	0	2	97	0	9	0	0	0	0	0	39	34.2	5	88	81.48	
0600	443	0	4	5	24	136	200	60	13	1	0	0	0	0	10	391	1	40	0	0	1	0	0	35.3	31.1	4.8	274	61.85	
0700	765	93	170	118	77	170	125	12	0	0	0	0	0	0	9	696	5	50	1	3	0	0	1	30.7	20.6	8.7	137	17.91	
0800	538	89	106	45	93	132	58	13	2	0	0	0	0	0	8	500	0	29	0	0	0	0	1	29.7	20.3	8.9	73	13.57	
0900	281	21	13	13	31	114	71	17	1	0	0	0	0	0	0	251	1	27	0	2	0	0	0	32.9	26.1	7.9	89	31.67	
1000	215	0	2	11	25	84	74	18	1	0	0	0	0	0	2	184	2	24	1	2	0	0	0	34	29	5	93	43.26	
1100	190	0	2	5	22	72	67	19	3	0	0	0	0	0	0	178	0	12	0	0	0	0	0	33.9	29.3	4.9	89	46.84	
1200	226	0	0	2	25	122	63	13	1	0	0	0	0	0	1	203	0	19	0	3	0	0	0	32.1	29.1	3.7	77	34.07	
1300	197	0	0	2	27	77	64	21	6	0	0	0	0	0	0	171	1	24	0	1	0	0	0	34.5	29.8	4.7	91	46.19	
1400	189	0	2	2	21	95	55	13	1	0	0	0	0	0	0	176	0	10	1	2	0	0	0	33.4	28.8	4.4	69	36.51	
1500	191	0	0	0	15	77	75	20	4	0	0	0	0	0	0	175	0	15	0	1	0	0	0	34.7	30.3	4.2	99	51.83	
1600	162	0	1	0	15	76	45	23	1	0	1	0	0	0	1	146	0	15	0	0	0	0	0	35.1	30	4.6	70	43.21	
1700	259	1	6	8	44	114	64	19	3	0	0	0	0	0	4	229	1	25	0	0	0	0	0	33.1	28.1	5.5	86	33.2	
1800	220	0	8	7	39	75	71	14	5	1	0	0	0	0	1	204	0	15	0	0	0	0	0	33.7	28.4	5.8	91	41.36	
1900	162	0	0	1	15	77	52	13	3	0	1	0	0	0	1	153	0	7	1	0	0	0	0	34	29.8	4.5	69	42.59	
2000	105	1	1	1	7	33	34	17	9	2	0	0	0	0	2	95	0	8	0	0	0	0	0	39.3	31.7	6.6	62	59.05	
2100	65	0	0	1	5	17	23	13	3	3	0	0	0	0	1	59	0	5	0	0	0	0	0	37.9	32.4	5.8	42	64.62	
2200	74	0	0	0	1	22	32	15	2	2	0	0	0	0	1	68	0	4	1	0	0	0	0	36.8	32.7	4.4	51	68.92	
2300	50	0	0	0	2	18	18	8	3	0	1	0	0	0	1	44	0	5	0	0	0	0	0	37.7	32.2	5	30	60	
07-19	3433	204	310	213	434	1208	832	202	28	1	1	0	0	0	26	3113	10	265	3	14	0	0	1	32.8	25.6	8	1064	30.99	
06-22	4208	205	315	221	485	1471	1141	305	56	7	2	0	0	0	40	3811	11	325	4	14	1	0	1	33.4	26.6	7.8	1511	35.91	
06-00	4332	205	315	221	488	1511	1191	328	61	9	3	0	0	0	42	3923	11	334	5	14	1	0	1	33.6	26.8	7.8	1592	36.75	
00-00	4642	205	315	223	502	1580	1309	399	86	20	3	0	0	0	49	4186	11	368	5	14	2	0	3	33.9	27.2	7.8	1817	39.14	

Vehicles = 4642

Posted speed limit = 30 mph, Exceeding = 1817 (39.14%), Mean Exceeding = 33.88 mph

Maximum = 51.5 mph, Minimum = 1.2 mph, Mean = 27.2 mph

85% Speed = 33.95 mph, 95% Speed = 37.52 mph, Median = 28.69 mph

10 mph Pace = 25 - 35, Number in Pace = 2902 (62.52%)

Variance = 61.51, Standard Deviation = 7.84 mph

SLOW MOVING OR QUEING TRAFFIC FROM R-A-BOUT
 SLOW MOVING OR QUEING TRAFFIC FROM R-A-BOUT

NOBAL TRAFFIC REPORT

Report Id - CustomList-8

Site Name - CSWO1

Description - BILLET ROAD [30MPH]WEST OF WILLOW FARM

Direction - East

22 September 2016

Time	Hourly Totals	Vehicle Speed													Number Vehicle Classes ARX Scheme										Average Speed	Standard deviation	Number Above Speed Limit	% Above Speed Limit	
		MPH 0	MPH 10	MPH 15	MPH 20	MPH 25	MPH 30	MPH 35	MPH 40	MPH 45	MPH 50	MPH 55	MPH 60	MPH 65	Motor Cycles	Car Van	Car Van Towing	2 Axle Van Lorry	3 Axle Rigid	4 Axle Rigid	3 Axle Artic	4 Axle Artic	5 Axle Artic	6 Axle Artic					P-Tile 85%
0000	90	0	3	5	17	31	25	8	0	1	0	0	0	0	2	71	1	10	0	0	0	1	3	2	32.4	27.9	5.8	34	37.78
0100	47	0	0	1	9	17	14	4	2	0	0	0	0	0	1	42	0	4	0	0	0	0	0	0	34.6	29.6	5	20	42.55
0200	32	0	0	0	5	11	13	1	1	1	0	0	0	0	1	29	0	2	0	0	0	0	0	0	34.3	30	5.3	16	50
0300	15	0	0	0	1	3	7	4	0	0	0	0	0	0	0	12	0	3	0	0	0	0	0	0	36.3	31.7	4.1	11	73.33
0400	18	0	0	1	2	1	10	2	2	0	0	0	0	0	0	17	0	1	0	0	0	0	0	0	37.6	31.9	6.2	14	77.78
0500	22	0	1	1	7	5	5	3	0	0	0	0	0	0	1	17	0	4	0	0	0	0	0	0	34.8	27.4	6.5	8	36.36
0600	63	0	0	0	17	26	10	9	1	0	0	0	0	0	1	56	0	6	0	0	0	0	0	0	35.1	28.8	5.1	20	31.75
0700	101	1	2	6	36	34	19	2	1	0	0	0	0	0	2	86	0	10	0	3	0	0	0	0	30.9	25.8	5	22	21.78
0800	162	2	1	10	51	67	27	4	0	0	0	0	0	0	1	156	0	5	0	0	0	0	0	0	30.9	26	4.9	31	19.14
0900	240	0	3	12	55	112	50	8	0	0	0	0	0	0	2	209	1	25	1	2	0	0	0	0	31.3	26.9	4.5	58	24.17
1000	198	0	3	14	37	74	54	13	2	1	0	0	0	0	1	176	0	19	0	1	0	0	0	1	33.5	27.9	5.5	70	35.35
1100	174	0	0	6	34	82	42	9	0	1	0	0	0	0	1	160	0	12	0	1	0	0	0	0	32.2	28.1	4.5	52	29.89
1200	213	0	2	7	39	96	56	12	0	1	0	0	0	0	2	188	2	21	0	0	0	0	0	0	32.1	28	4.6	69	32.39
1300	194	0	3	2	47	87	46	7	1	0	1	0	0	0	3	169	0	19	1	2	0	0	0	0	32.1	27.6	4.8	55	28.35
1400	279	0	1	5	71	125	64	13	0	0	0	0	0	0	5	252	1	21	0	0	0	0	0	0	31.5	27.6	4.1	77	27.6
1500	305	0	1	4	61	144	73	16	5	1	0	0	0	0	5	279	0	21	0	0	0	0	0	0	32.5	28.2	4.5	95	31.15
1600	456	0	4	6	105	214	95	27	4	0	1	0	0	0	10	406	1	37	0	1	0	0	0	1	32	27.8	4.6	127	27.85
1700	523	0	2	14	146	257	90	13	1	0	0	0	0	0	6	471	3	40	0	2	0	1	0	0	30.9	26.9	3.9	104	19.89
1800	396	0	1	10	91	183	92	17	2	0	0	0	0	0	12	363	1	20	0	0	0	0	0	0	32.1	27.7	4.2	111	28.03
1900	277	1	0	4	58	109	82	18	4	1	0	0	0	0	4	257	0	16	0	0	0	0	0	0	33.1	28.8	4.7	105	37.91
2000	173	1	0	2	30	76	48	14	1	1	0	0	0	0	1	159	0	13	0	0	0	0	0	0	33.3	28.8	4.8	64	36.99
2100	153	0	0	1	23	70	44	11	3	1	0	0	0	0	2	145	0	6	0	0	0	0	0	0	32.9	29.3	4.4	59	38.56
2200	126	0	0	0	20	49	43	12	1	1	0	0	0	0	0	121	0	5	0	0	0	0	0	0	33.4	29.6	4.2	57	45.24
2300	90	0	1	1	8	39	32	6	3	0	0	0	0	0	1	83	0	6	0	0	0	0	0	0	33.7	29.5	4.9	41	45.56
07-19	3241	3	23	96	773	1475	708	141	16	4	2	0	0	0	50	2915	9	250	2	12	0	1	0	2	31.8	27.5	4.5	871	26.87
06-22	3907	5	23	103	901	1756	892	193	25	7	2	0	0	0	58	3532	9	291	2	12	0	1	0	2	32.1	27.7	4.6	1119	28.64
06-00	4123	5	24	104	929	1844	967	211	29	8	2	0	0	0	59	3736	9	302	2	12	0	1	0	2	32.2	27.8	4.6	1217	29.52
00-00	4347	5	28	112	970	1912	1041	233	34	10	2	0	0	0	64	3924	10	326	2	12	0	2	3	4	32.3	27.9	4.7	1320	30.37

Vehicles = 4347

Posted speed limit = 30 mph, Exceeding = 1320 (30.37%), Mean Exceeding = **LOW MOVING TRAFFIC, CAUSED BY WESTBOUND TRAFFIC FORMING TWO LANI**

Maximum = 51.0 mph, Minimum = 5.3 mph, Mean = 27.9 mph

85% Speed = 32.32 mph, 95% Speed = 35.62 mph, Median = 27.63 mph

10 mph Pace = 22 - 32, Number in Pace = 3324 (76.47%)

Variance = 21.83, Standard Deviation = 4.67 mph

NOBAL TRAFFIC REPORT

Report Id - CustomList-40

Site Name - 59002

Description - HAINAULT ROAD [40MPH] NTH OF PAINTERS ROAD

Direction - South

23 September 2016

Time	Hourly Totals	Vehicle Speed												Number Vehicle Classes ARX Scheme										Average Speed	Standard deviation	Number Above Speed Limit	% Above Speed Limit		
		MPH 0	MPH 10	MPH 15	MPH 20	MPH 25	MPH 30	MPH 35	MPH 40	MPH 45	MPH 50	MPH 55	MPH 60	MPH 65	Motor Cycles	Car Van	Car Van Towing	2 Axle Van Lorry	3 Axle Rigid	4 Axle Rigid	3 Axle Artic	4 Axle Artic	5 Axle Artic					6 Axle Artic	P-Tile 85%
0000	54	0	0	0	0	0	3	14	18	5	6	3	3	2	0	53	0	1	0	0	0	0	0	0	54.8	45.1	9.2	37	68.52
0100	32	0	0	1	0	1	2	7	9	3	5	2	1	1	1	28	0	2	0	0	0	0	1	0	54.5	44.3	10.9	21	65.63
0200	20	0	0	0	0	1	2	6	4	5	0	1	1	0	0	16	0	2	0	0	0	0	2	0	49.8	42.9	8.5	11	55
0300	18	0	0	0	0	0	1	6	4	1	2	3	1	0	1	11	0	5	0	0	0	0	1	0	56.7	44.6	8.6	11	61.11
0400	38	0	0	0	0	2	3	6	6	7	7	4	0	3	1	30	0	4	0	0	1	0	0	2	55.7	46.6	10.8	27	71.05
0500	92	0	0	0	0	0	7	22	31	18	10	2	1	1	2	76	0	13	0	1	0	0	0	0	50.7	43.4	7	63	68.48
0600	192	0	0	1	0	4	16	50	69	41	7	4	0	0	3	166	1	22	0	0	0	0	0	0	47.3	41.7	5.9	121	63.02
0700	442	0	0	0	3	14	64	192	124	38	5	2	0	0	3	393	0	37	2	5	0	2	0	0	43.3	38.9	5	169	38.24
0800	613	1	0	6	17	48	180	279	75	7	0	0	0	0	8	551	2	49	2	1	0	0	0	0	39.6	35.4	4.8	82	13.38
0900	505	0	2	1	3	25	101	238	109	22	3	1	0	0	9	431	2	53	2	5	1	0	1	1	41.8	37.4	4.9	135	26.73
1000	441	0	0	0	0	9	39	258	112	17	3	3	0	0	2	377	0	59	1	0	0	2	0	0	42.4	38.7	4.1	135	30.61
1100	447	0	0	1	0	7	60	249	100	21	7	1	0	1	7	390	1	43	1	5	0	0	0	0	42.2	38.7	4.4	130	29.08
1200	511	0	0	1	0	15	116	235	113	21	8	2	0	0	7	452	0	47	1	4	0	0	0	0	41.9	37.9	4.7	144	28.18
1300	479	0	1	17	11	9	94	224	96	23	3	1	0	0	7	423	3	42	1	2	0	1	0	0	41.9	36.9	5.9	123	25.68
1400	532	1	0	0	0	8	110	274	115	18	6	0	0	0	6	480	1	33	2	9	1	0	0	0	42	37.9	4.3	139	26.13
1500	613	0	0	0	11	4	148	283	148	16	2	1	0	0	7	548	1	51	0	4	0	0	2	0	41.7	37.5	4.3	167	27.24
1600	729	0	3	1	10	36	193	338	129	15	3	1	0	0	4	674	1	48	0	2	0	0	0	0	40.7	36.5	4.7	148	20.3
1700	761	0	1	10	11	55	200	363	100	19	1	0	0	1	10	705	2	42	0	1	1	0	0	0	40	35.9	5.1	121	15.9
1800	671	0	0	1	4	39	213	306	98	8	2	0	0	0	4	633	0	34	0	0	0	0	0	0	40.1	36.1	4.2	108	16.1
1900	531	0	1	0	1	10	158	248	92	15	5	1	0	0	6	502	0	23	0	0	0	0	0	0	41.4	37	4.4	113	21.28
2000	348	0	0	0	0	2	56	175	86	20	6	1	1	1	3	337	0	8	0	0	0	0	0	0	43.3	39.1	4.9	115	33.05
2100	275	0	0	0	0	4	44	126	71	26	2	1	1	0	0	264	0	11	0	0	0	0	0	0	43.4	39.2	4.7	101	36.73
2200	233	0	0	0	0	0	36	115	50	17	10	4	1	0	1	226	0	6	0	0	0	0	0	0	44.7	39.5	5.3	82	35.19
2300	167	0	0	0	0	0	18	62	54	21	6	5	0	1	0	165	0	2	0	0	0	0	0	0	46.2	41.1	5.9	87	52.1
07-19	6744	2	7	38	70	269	1518	3239	1319	225	43	12	0	2	74	6057	13	538	12	38	3	5	3	1	41.4	37.1	4.9	1601	23.74
06-22	8090	2	8	39	71	289	1792	3838	1637	327	63	19	2	3	86	7326	14	602	12	38	3	5	3	1	41.7	37.4	4.9	2051	25.35
06-00	8490	2	8	39	71	289	1846	4015	1741	365	79	28	3	4	87	7717	14	610	12	38	3	5	3	1	41.9	37.5	5	2220	26.15
00-00	8744	2	8	40	71	293	1864	4076	1813	404	109	43	10	11	92	7931	14	637	12	39	4	5	7	3	42.1	37.7	5.3	2390	27.33

Vehicles = 8744

Posted speed limit = 40 mph, Exceeding = 2390 (27.33%), Mean Exceeding = 43.73 mph

Maximum = 79.2 mph, Minimum = 0.9 mph, Mean = 37.7 mph

85% Speed = 42.11 mph, 95% Speed = 46.08 mph, Median = 37.52 mph

10 mph Pace = 32 - 42, Number in Pace = 6641 (75.95%)

Variance = 27.85, Standard Deviation = 5.28 mph

NOBAL TRAFFIC REPORT

Report Id - CustomList-40
Site Name - 59002
Description - HAINAULT ROAD [40MPH] NTH OF PAINTERS ROAD
Direction - North

23 September 2016

Time	Vehicle Speed														Number Vehicle Classes ARX Scheme											Average Speed	Standard deviation	Number Above Speed Limit	% Above Speed Limit
	Hourly Totals	MPH 0	MPH 10	MPH 15	MPH 20	MPH 25	MPH 30	MPH 35	MPH 40	MPH 45	MPH 50	MPH 55	MPH 60	MPH 65	Motor Cycles	Car Van	Car Van Towing	2 Axle Van Lorry	3 Axle Rigid	4 Axle Rigid	3 Axle Artic	4 Axle Artic	5 Axle Artic	6 Axle Artic	P-Tile 85%				
	0000	56	0	0	0	0	0	8	8	23	6	4	2	1	4	0	48	0	5	0	0	0	1	1	0				
0100	42	0	0	0	0	1	4	11	8	8	5	4	0	1	0	38	0	3	0	0	0	1	0	53.4	43.9	8.2	26	61.9	
0200	30	0	0	0	0	3	2	6	9	6	3	1	0	0	0	22	0	5	1	0	0	2	0	50.7	42.1	7.8	19	63.33	
0300	26	0	0	0	2	0	1	5	8	4	3	1	1	1	1	18	0	6	0	0	0	1	0	54.3	44.5	10.5	18	69.23	
0400	41	0	1	0	0	0	3	18	5	6	2	2	0	4	2	27	0	8	0	0	1	1	0	55.8	43.7	11.3	19	46.34	
0500	93	0	1	0	0	1	2	18	34	18	7	7	4	1	2	79	0	12	0	0	0	0	0	54.9	45	8.1	71	76.34	
0600	353	0	0	0	2	3	25	126	131	47	11	6	1	1	2	294	0	53	0	1	2	0	0	46.1	41	5.5	197	55.81	
0700	759	0	1	1	23	36	126	365	173	23	9	2	0	0	7	680	7	59	2	1	1	1	1	41.7	37.3	5.3	207	27.27	
0800	726	0	0	0	1	31	256	312	104	16	3	2	1	0	7	648	1	62	2	5	0	0	1	40.5	36.4	4.4	126	17.36	
0900	488	0	2	4	3	8	118	225	99	25	2	2	0	0	5	416	1	60	1	3	1	0	1	41.8	37.3	5	128	26.23	
1000	464	0	0	0	1	19	122	195	96	26	3	2	0	0	2	387	2	67	3	1	1	1	0	42.2	37.6	4.7	127	27.37	
1100	435	0	0	1	0	14	71	198	108	32	9	2	0	0	4	389	0	39	0	2	0	0	1	43.2	38.6	5	151	34.71	
1200	526	0	0	1	2	32	145	241	73	25	4	1	2	0	4	472	2	45	1	2	0	0	0	40.8	36.9	5.1	105	19.96	
1300	489	0	0	0	0	25	101	242	92	17	8	2	2	0	7	425	1	49	0	5	1	1	0	41.5	37.7	5	121	24.74	
1400	585	0	0	0	1	16	152	288	91	26	7	2	2	0	7	524	5	39	2	6	1	0	1	41.6	37.4	4.7	128	21.88	
1500	718	0	0	0	1	34	226	290	130	29	3	3	1	1	4	646	1	64	0	2	0	1	0	41.4	37.1	4.9	167	23.26	
1600	710	0	1	6	7	42	180	301	139	21	9	0	3	1	4	650	4	49	0	2	1	0	0	41.6	36.9	5.7	173	24.37	
1700	667	0	0	1	0	37	179	289	123	22	10	1	2	3	5	625	1	35	0	0	0	1	0	41.9	37.4	5.5	161	24.14	
1800	634	0	0	3	15	33	194	276	85	22	6	0	0	0	7	597	1	28	0	0	0	0	1	40.5	36.2	5	113	17.82	
1900	441	1	0	0	0	23	109	177	86	29	8	5	2	1	3	411	0	27	0	0	0	0	0	43.2	37.9	6.1	131	29.71	
2000	363	0	0	0	0	8	80	140	98	30	7	0	0	0	0	345	1	17	0	0	0	0	0	43.8	38.6	5	135	37.19	
2100	295	0	0	0	0	14	51	126	77	18	7	1	0	1	0	284	1	10	0	0	0	0	0	43.4	38.6	5.5	104	35.25	
2200	233	0	0	0	0	2	27	89	81	19	7	6	1	1	2	215	1	15	0	0	0	0	0	45	40.7	6.1	115	49.36	
2300	164	0	0	0	0	1	29	58	42	20	6	5	1	2	1	159	0	4	0	0	0	0	0	46.3	40.7	6.9	76	46.34	
07-19	7201	0	4	17	54	327	1870	3222	1313	284	73	19	13	5	63	6459	26	596	11	29	6	5	3	3	41.6	37.2	5.1	1707	23.71
06-22	8653	1	4	17	56	375	2135	3791	1705	408	106	31	16	8	68	7793	28	703	11	30	8	5	3	4	42	37.5	5.2	2274	26.28
06-00	9050	1	4	17	56	378	2191	3938	1828	447	119	42	18	11	71	8167	29	722	11	30	8	5	3	4	42.2	37.6	5.3	2465	27.24
00-00	9338	1	6	17	58	383	2211	4004	1915	495	143	59	24	22	76	8399	29	761	12	30	9	7	8	6	42.5	37.8	5.6	2658	28.46

Vehicles = 9338
 Posted speed limit = 40 mph, Exceeding = 2658 (28.46%), Mean Exceeding = 44.22 mph
 Maximum = 87.0 mph, Minimum = 5.5 mph, Mean = 37.8 mph
 85% Speed = 42.50 mph, 95% Speed = 46.92 mph, Median = 37.41 mph
 10 mph Pace = 32 - 42, Number in Pace = 6749 (72.27%)
 Variance = 31.48, Standard Deviation = 5.61 mph

NOBAL TRAFFIC REPORT

Report Id - CustomList-37

Site Name - 59002

Description - HAINAULT ROAD [40MPH] NTH OF PAINTERS ROAD

Direction - North

03 August 2016

Time	Vehicle Speed														Number Vehicle Classes ARX Scheme						P-Tile 85%	Average Speed	Standard deviation	Number Above Speed Limit	% Above Speed Limit			
	Hourly Totals	MPH 0	MPH 10	MPH 15	MPH 20	MPH 25	MPH 30	MPH 35	MPH 40	MPH 45	MPH 50	MPH 55	MPH 60	MPH 65	Motor Cycles	Car Van	Car Van Towing	2 Axle Van Lorry	3 Axle Rigid	4 Axle Rigid						3 Axle Artic	4 Axle Artic	6 Axle Artic
0000	68	0	0	0	1	6	7	13	15	19	5	1	1	0	0	62	1	5	0	0	0	0	0	49.1	41.5	8.1	41	60.29
0100	33	0	0	0	0	1	6	13	5	1	4	3	0	0	1	29	0	3	0	0	0	0	0	52.1	41	8	13	39.39
0200	20	0	0	1	0	3	2	4	5	2	3	0	0	0	2	15	0	3	0	0	0	0	0	49.8	38.7	9	10	50
0300	18	0	0	0	0	1	0	4	3	8	1	0	1	0	0	15	0	3	0	0	0	0	0	49.6	44.4	7.7	13	72.22
0400	31	0	0	1	0	1	2	5	9	5	2	5	0	1	1	23	0	7	0	0	0	0	0	55.6	44.2	10.5	22	70.97
0500	103	0	1	1	0	2	4	26	29	24	8	5	2	1	0	90	2	9	0	0	0	0	0	50.8	43.5	8	69	66.99
0600	518	0	0	1	1	9	34	167	199	72	20	10	4	1	3	432	2	76	1	2	2	0	2	46.5	41.4	5.8	306	59.07
0700	831	0	0	0	4	35	199	363	181	42	6	1	0	0	6	714	2	94	4	7	1	1	2	42.1	37.5	4.6	230	27.68
0800	693	0	0	3	6	20	158	323	139	37	5	1	1	0	8	615	1	64	1	4	0	0	0	41.8	37.6	4.9	183	26.41
0900	547	0	0	0	0	19	101	260	131	25	9	2	0	0	1	473	1	67	1	3	0	0	1	42.2	38.2	4.5	167	30.53
1000	491	3	2	0	2	31	127	216	87	13	7	2	1	0	5	428	3	44	1	6	1	2	1	41.5	36.7	5.6	110	22.4
1100	530	0	0	1	0	18	151	222	111	22	1	3	1	0	7	459	0	58	1	4	0	1	0	42.1	37.4	4.8	138	26.04
1200	642	0	0	8	26	35	189	252	97	24	5	2	0	4	1	579	1	52	0	7	0	2	0	41.3	36.2	6.3	132	20.56
1300	613	0	0	15	18	32	155	273	94	20	3	2	0	1	8	538	4	55	0	6	0	0	2	40.9	36.1	5.8	120	19.58
1400	572	0	2	13	11	21	157	225	118	18	6	1	0	0	8	502	2	56	0	1	0	0	3	41.7	36.5	5.8	143	25
1500	678	0	1	1	8	29	174	311	122	21	11	0	0	0	1	611	1	63	0	1	0	1	0	41.4	37	4.8	154	22.71
1600	664	10	6	8	8	101	282	176	58	11	3	1	0	0	5	619	2	35	0	0	1	0	2	38.8	33.3	6.4	73	10.99
1700	637	12	10	10	10	49	238	243	57	6	1	1	0	0	1	601	4	25	1	2	0	0	3	39	34	6.6	65	10.2
1800	663	0	0	1	6	32	156	301	126	30	4	3	3	1	5	619	2	36	0	0	0	1	0	41.9	37.5	5.5	167	25.19
1900	552	0	2	5	3	10	81	245	163	32	7	3	1	0	6	521	0	22	1	1	0	1	0	43.3	38.6	5.3	206	37.32
2000	430	0	0	0	1	15	83	192	84	45	5	2	1	2	0	405	1	24	0	0	0	0	0	44.1	38.6	5.9	139	32.33
2100	255	0	2	0	1	12	51	90	54	22	12	7	2	2	2	234	1	17	0	0	0	0	0	46.3	39.3	7.5	99	38.82
2200	240	0	0	0	0	14	39	86	67	26	5	1	0	2	2	233	0	5	0	0	0	0	0	44.7	39.2	5.9	101	42.08
2300	157	0	0	0	0	2	20	53	50	18	10	2	2	0	1	143	0	13	0	0	0	0	0	46.5	40.9	6.5	82	52.23
07-19	7561	25	21	60	99	422	###	###	###	269	61	19	6	6	56	6758	23	649	9	41	3	8	14	41.4	36.5	5.7	1682	22.25
06-22	9316	25	25	66	105	468	###	###	###	440	105	41	14	11	67	8350	27	788	11	44	5	9	14	42.1	37.1	5.9	2432	26.11
06-00	9713	25	25	66	105	484	###	###	###	484	120	44	16	13	70	8726	27	806	11	44	5	9	14	42.2	37.2	5.9	2615	26.92
00-00	9986	25	26	69	106	498	###	###	###	543	143	58	20	15	74	8960	30	836	11	44	5	9	16	42.4	37.3	6.1	2783	27.87

Vehicles = 9986

Posted speed limit = 40 mph, Exceeding = 2783 (27.87%), Mean Exceeding = 44.08 mph

Maximum = 84.9 mph, Minimum = 4.0 mph, Mean = 37.3 mph

85% Speed = 42.39 mph, 95% Speed = 46.75 mph, Median = 37.19 mph

10 mph Pace = 32 - 42, Number in Pace = 6987 (69.97%)

Variance = 36.73, Standard Deviation = 6.06 mph

NOBAL TRAFFIC REPORT

Report Id - CustomList-37

Site Name - 59002

Description - HAINAULT ROAD [40MPH] NTH OF PAINTERS ROAD

Direction - South

03 August 2016

Time	Vehicle Speed														Number Vehicle Classes ARX Scheme										Average Speed	Standard deviation	Number Above Speed Limit	% Above Speed Limit		
	Hourly Totals	MPH 0	MPH 10	MPH 15	MPH 20	MPH 25	MPH 30	MPH 35	MPH 40	MPH 45	MPH 50	MPH 55	MPH 60	MPH 65	Motor Cycles	Car Van	Car Van Towing	2 Axle Van Lorry	3 Axle Rigid	4 Axle Rigid	3 Axle Artic	4 Axle Artic	5 Axle Artic	6 Axle Artic					P-Tile 85%	
	0000	77	0	0	0	1	1	12	27	19	8	4	1	4	0	3	67	0	5	2	0	0	0	0					0	0
0100	29	0	0	0	0	0	3	6	8	5	2	0	4	1	0	27	0	2	0	0	0	0	0	0	60.7	45.6	9.2	20	68.97	
0200	24	0	0	0	0	4	1	4	3	6	4	1	0	1	0	21	0	3	0	0	0	0	0	0	52	43.2	10	15	62.5	
0300	17	0	0	0	0	1	2	4	2	2	3	1	2	0	1	13	0	3	0	0	0	0	0	0	60.1	45.8	10.8	10	58.82	
0400	30	0	0	0	0	0	0	4	8	8	5	5	0	0	0	23	0	6	0	0	0	0	0	1	55.4	47.2	6.1	26	86.67	
0500	89	0	0	0	0	0	2	13	35	21	11	6	1	0	1	73	0	13	0	1	0	0	1	0	51.7	45.2	6	74	83.15	
0600	188	0	3	0	0	2	6	38	59	48	19	13	0	0	5	157	1	25	0	0	0	0	0	0	50.5	43.6	7.1	139	73.94	
0700	405	0	0	1	4	4	28	131	176	47	13	1	0	0	1	350	1	49	0	3	0	0	1	0	45	40.6	4.9	237	58.52	
0800	537	1	0	1	8	21	49	218	192	35	11	0	0	1	5	472	1	53	1	3	0	0	2	0	43.5	39.1	5.4	239	44.51	
0900	486	0	0	0	0	3	79	227	148	25	3	1	0	0	3	420	0	58	4	1	0	0	0	0	43.2	38.8	4.1	177	36.42	
1000	596	23	31	9	0	24	96	247	143	21	1	1	0	0	4	525	2	56	3	4	0	2	0	0	41.8	35.1	9.2	166	27.85	
1100	644	0	0	1	7	11	109	337	150	24	1	1	2	1	2	560	2	72	0	4	0	3	1	0	41.7	38	4.5	179	27.8	
1200	676	0	6	33	22	32	192	270	94	20	6	1	0	0	8	584	2	76	0	4	0	1	0	1	40.5	35.1	6.8	121	17.9	
1300	706	0	2	11	7	25	181	277	151	43	7	2	0	0	6	622	3	63	2	6	1	1	2	0	42.7	37.3	5.7	203	28.75	
1400	658	0	0	2	9	25	172	248	161	33	7	1	0	0	9	578	2	61	3	4	0	1	0	0	42.5	37.5	5.2	202	30.7	
1500	782	3	10	26	12	44	154	387	114	25	7	0	0	0	5	689	1	82	1	3	0	1	0	0	40.7	35.8	6.5	146	18.67	
1600	829	171	161	139	80	57	109	80	26	2	4	0	0	0	9	729	8	63	2	11	4	1	0	2	34.6	20.5	11.1	32	3.86	
1700	879	157	302	180	115	38	13	37	24	10	3	0	0	0	9	809	10	40	4	6	1	0	0	0	24.7	17.2	9.2	37	4.209	
1800	731	1	3	6	3	24	117	340	195	32	10	0	0	0	4	683	1	41	0	1	0	1	0	0	42.5	38.1	5.2	237	32.42	
1900	684	1	0	4	7	49	120	303	157	36	2	2	2	1	7	642	1	34	0	0	0	0	0	0	42.2	37.5	5.6	200	29.24	
2000	445	0	0	0	0	7	60	231	107	25	12	1	0	2	1	418	3	22	1	0	0	0	0	0	43.7	39.2	5.2	147	33.03	
2100	343	0	0	3	2	3	63	145	94	22	8	2	1	0	9	322	0	12	0	0	0	0	0	0	44	38.9	5.5	127	37.03	
2200	274	0	1	1	0	5	30	130	78	19	9	1	0	0	4	262	0	8	0	0	0	0	0	0	43.4	39.3	5.1	107	39.05	
2300	156	0	0	0	0	0	28	49	52	15	7	1	1	3	2	148	0	6	0	0	0	0	0	0	46.1	41	7.1	79	50.64	
07-19	7929	356	515	409	267	308	1299	2799	1574	317	73	8	2	2	65	7021	33	714	20	50	6	11	6	3	41.8	33.3	10.5	1976	24.92	
06-22	9589	357	518	416	276	369	1548	3516	1991	448	114	26	5	5	87	8560	38	807	21	50	6	11	6	3	42.2	34.3	10.1	2589	27	
06-00	10019	357	519	417	276	374	1606	3695	2121	482	130	28	6	8	93	8970	38	821	21	50	6	11	6	3	42.3	34.5	10	2775	27.7	
00-00	10285	357	519	417	277	380	1626	3753	2196	532	159	42	17	10	98	9194	38	853	23	51	6	11	7	4	42.6	34.8	10.1	2956	28.74	

Vehicles = 10285

Posted speed limit = 40 mph, Exceeding = 2956 (28.74%), Mean Exceeding = 43.87 mph

Maximum = 84.9 mph, Minimum = 1.0 mph, Mean = 34.8 mph

85% Speed = 42.56 mph, 95% Speed = 46.51 mph, Median = 37.24 mph

10 mph Pace = 33 - 43, Number in Pace = 6271 (60.97%)

Variance = 102.02, Standard Deviation = 10.10 mph

SLOW MOVING QUEUING TRAFFIC

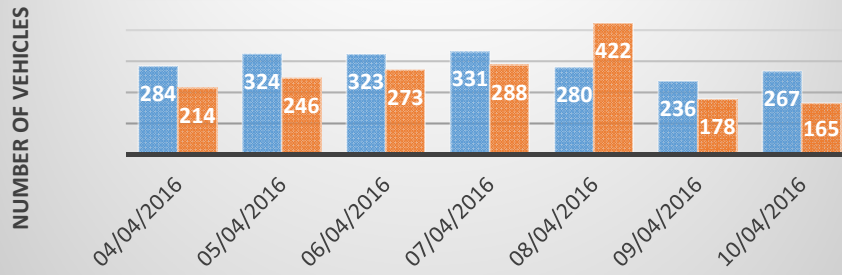
In April 2016 we (DCA Monisyst Ltd) carried out a survey on Painters Road to record traffic flow and speeds, we used this data to compare the number of vehicles traveling on Painters Road for another survey we carried out in September 2016. By using the MetroCount traffic loggers we are able to look at data collected over the years and analyse the data to generate different report types. Painters Road has a 7.5 tonne weight limit so vehicle types are limited to lighter vehicle types.

The surveys were carried out on different sections of the road, but there are no major junctions, turnings, car parks for vehicles not to travel through the survey areas.

We can see that most days there is a significant increase of vehicles using Painters Road in September compared to the number of vehicles using the same road in April, most days.

If there has been an accident on the A12;A13;M25 or other local road we have an unusual increased traffic flow basically a one day peak.

SOUTHBOUND AM & PM PEAKS

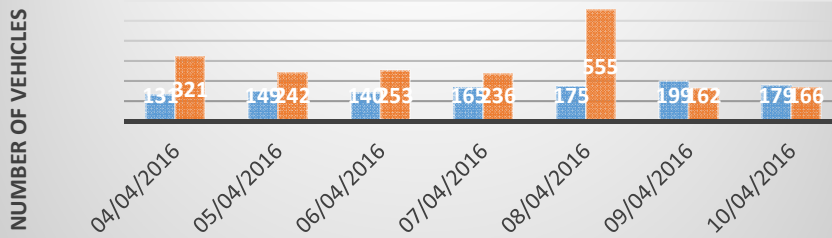


	04/04/20	05/04/20	06/04/20	07/04/20	08/04/20	09/04/20	10/04/20
AM PEAK	284	324	323	331	280	236	267
PM PEAK	214	246	273	288	422	178	165

■ AM PEAK ■ PM PEAK

AM PEAK	284	324	323	331	280	236	267
PM PEAK	214	246	273	288	422	178	165
SOUTH	04/04/2016	05/04/2016	06/04/2016	07/04/2016	08/04/2016	09/04/2016	10/04/2016

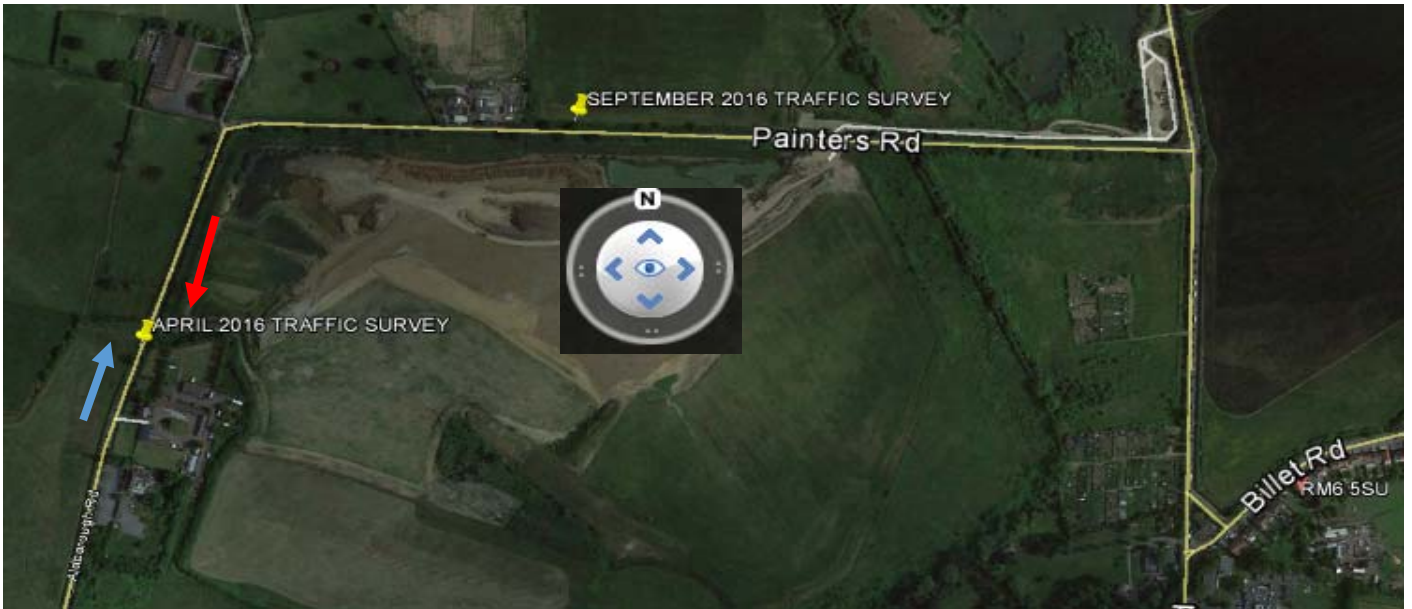
NORTHBOUND AM & PM PEAKS



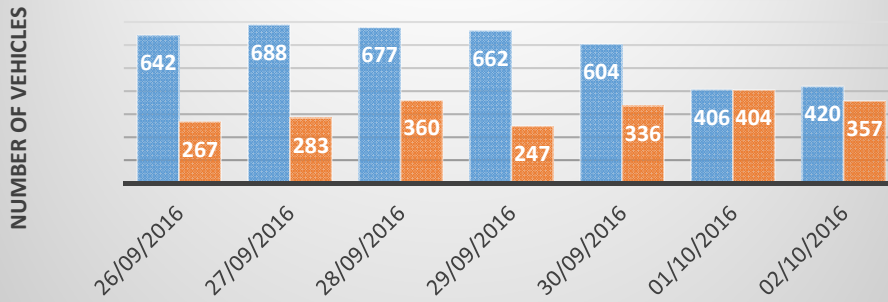
	04/04/20	05/04/20	06/04/20	07/04/20	08/04/20	09/04/20	10/04/20
AM PEAK	131	149	140	165	175	199	179
PM PEAK	321	242	253	236	555	162	166

■ AM PEAK ■ PM PEAK

AM PEAK	131	149	140	165	175	199	179
PM PEAK	321	242	253	236	555	162	166
NORTH	04/04/2016	05/04/2016	06/04/2016	07/04/2016	08/04/2016	09/04/2016	10/04/2016



STH WESTBOUND AM & PM PEAKS

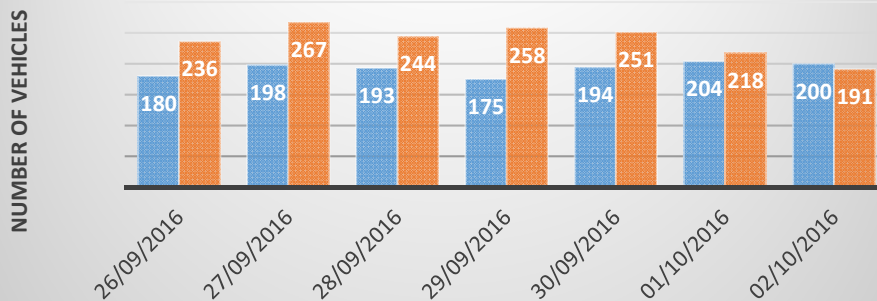


	26/09/2016	27/09/2016	28/09/2016	29/09/2016	30/09/2016	01/10/2016	02/10/2016
AM PEAK	642	688	677	662	604	406	420
PM PEAK	267	283	360	247	336	404	357

■ AM PEAK ■ PM PEAK

AM PEAK	642	688	677	662	604	406	420
PM PEAK	267	283	360	247	336	404	357
WEST SOUTH	26/09/2016	27/09/2016	28/09/2016	29/09/2016	30/09/2016	01/10/2016	02/10/2016

NTH EASTBOUND AM & PM PEAKS



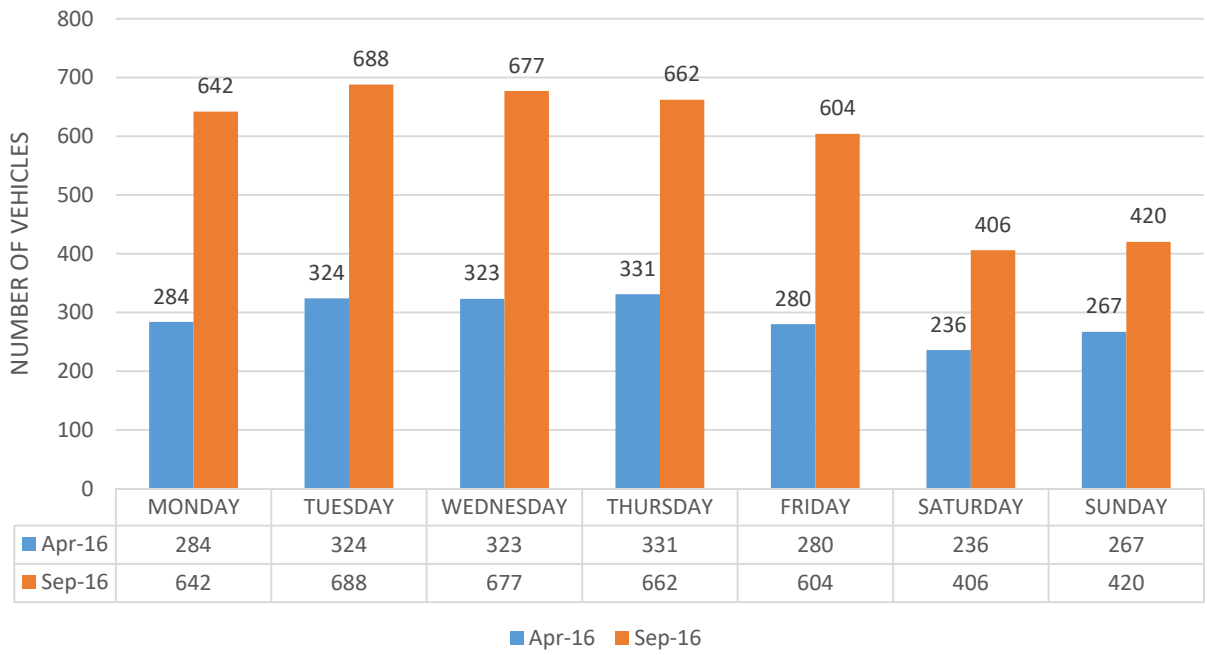
	26/09/2016	27/09/2016	28/09/2016	29/09/2016	30/09/2016	01/10/2016	02/10/2016
AM PEAK	180	198	193	175	194	204	200
PM PEAK	236	267	244	258	251	218	191

■ AM PEAK ■ PM PEAK

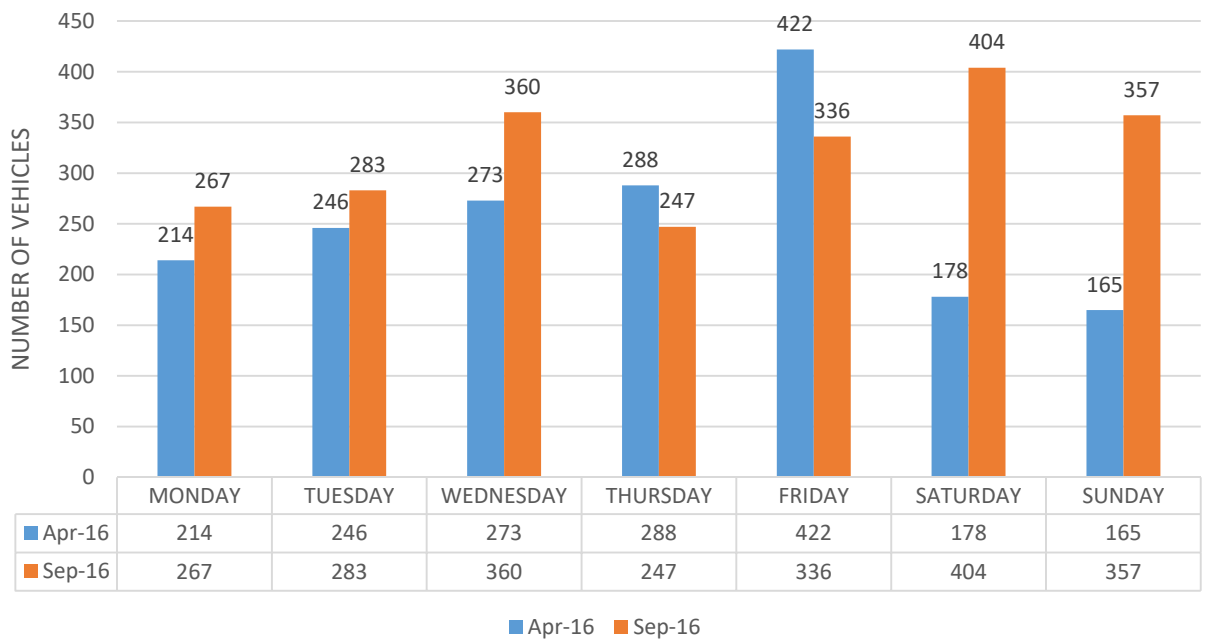
AM PEAK	180	198	193	175	194	204	200
PM PEAK	236	267	244	258	251	218	191
EAST NORTH	26/09/2016	27/09/2016	28/09/2016	29/09/2016	30/09/2016	01/10/2016	02/10/2016



AM PEAK FLOWS FOR APRIL & SEPTEMBER 2016 WESTBOUND

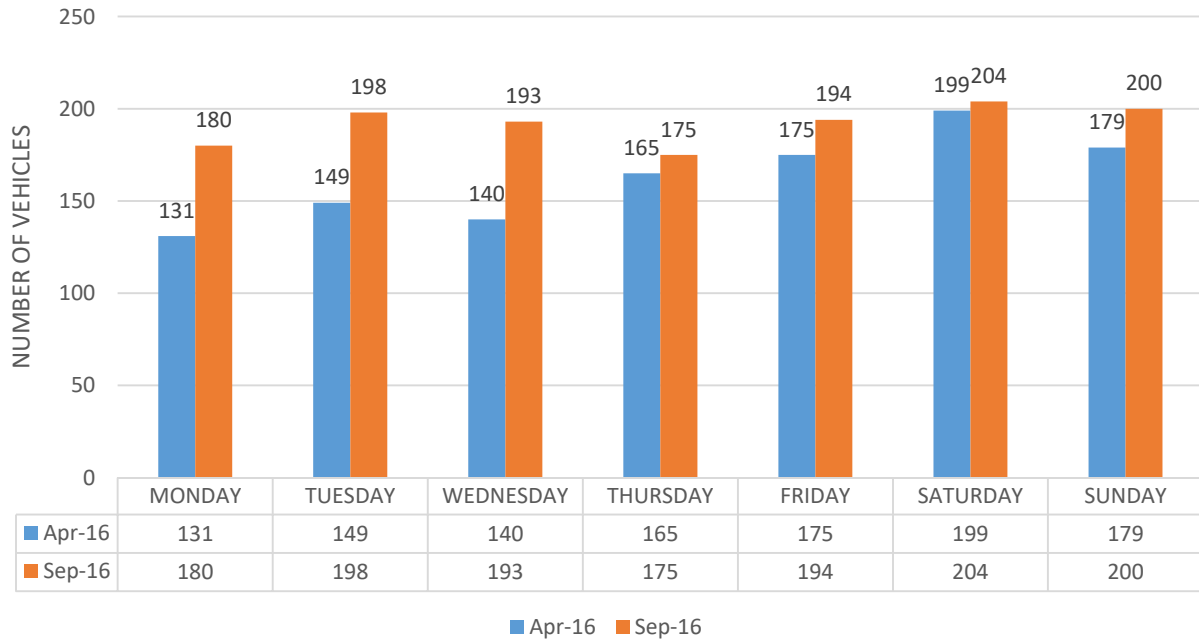


PM PEAK FLOWS FOR APRIL & SEPTEMBER 2016 WESTBOUND

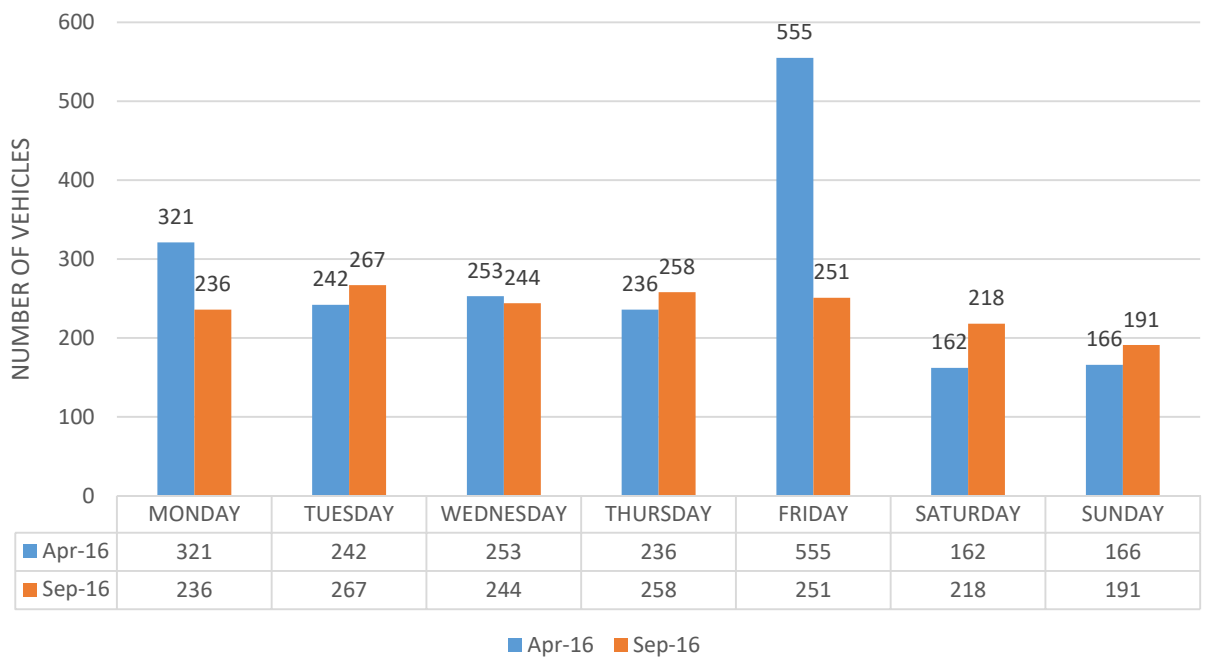


AM PEAK	284	324	323	331	280	236	267
PM PEAK	214	246	273	288	422	178	165
SOUTH	04/04/2016	05/04/2016	06/04/2016	07/04/2016	08/04/2016	09/04/2016	10/04/2016
AM PEAK	642	688	677	662	604	406	420
PM PEAK	267	283	360	247	336	404	357
WEST SOUTH	26/09/2016	27/09/2016	28/09/2016	29/09/2016	30/09/2016	01/10/2016	02/10/2016
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY

AM PEAK FLOWS FOR APRIL & SEPTEMBER 2016 EASTBOUND



PM PEAK FLOWS FOR APRIL & SEPTEMBER 2016 EASTBOUND

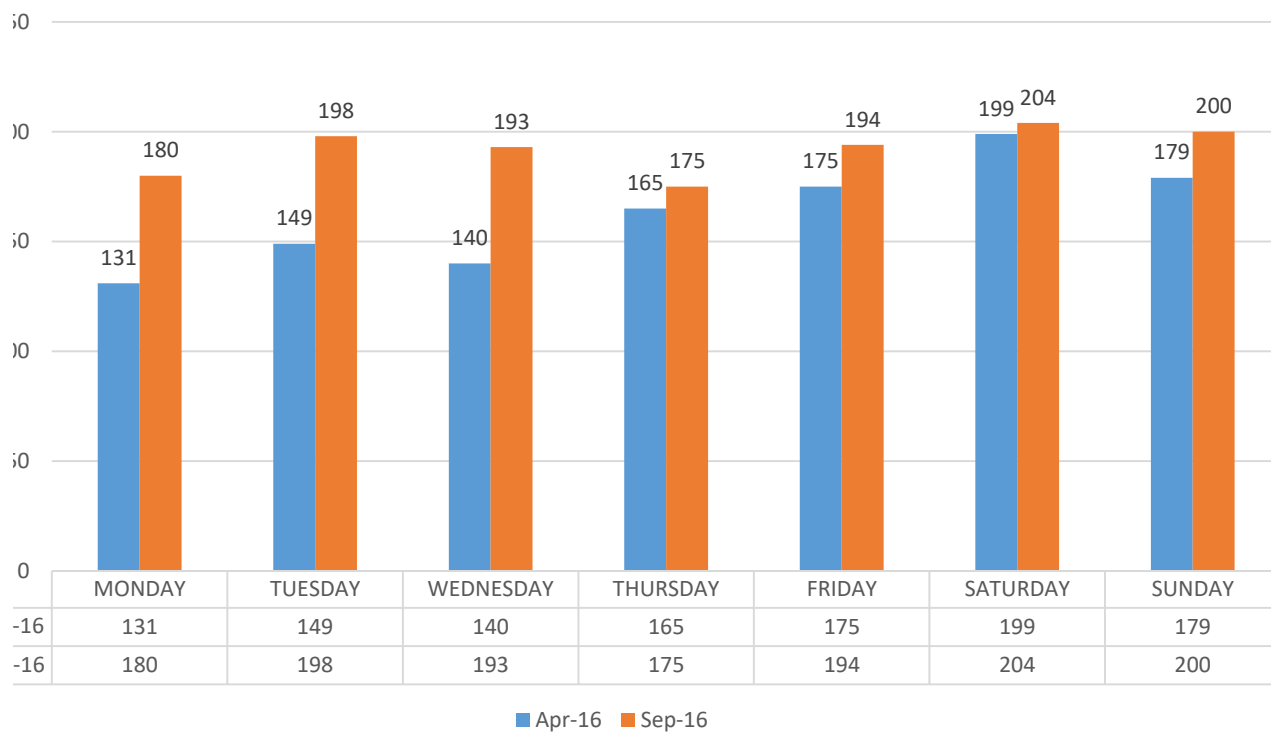


AM PEAK	131	149	140	165	175	199	179
PM PEAK	321	242	253	236	555	162	166
NORTH	04/04/2016	05/04/2016	06/04/2016	07/04/2016	08/04/2016	09/04/2016	10/04/2016
AM PEAK	180	198	193	175	194	204	200
PM PEAK	236	267	244	258	251	218	191
EAST NORTH	26/09/2016	27/09/2016	28/09/2016	29/09/2016	30/09/2016	01/10/2016	02/10/2016

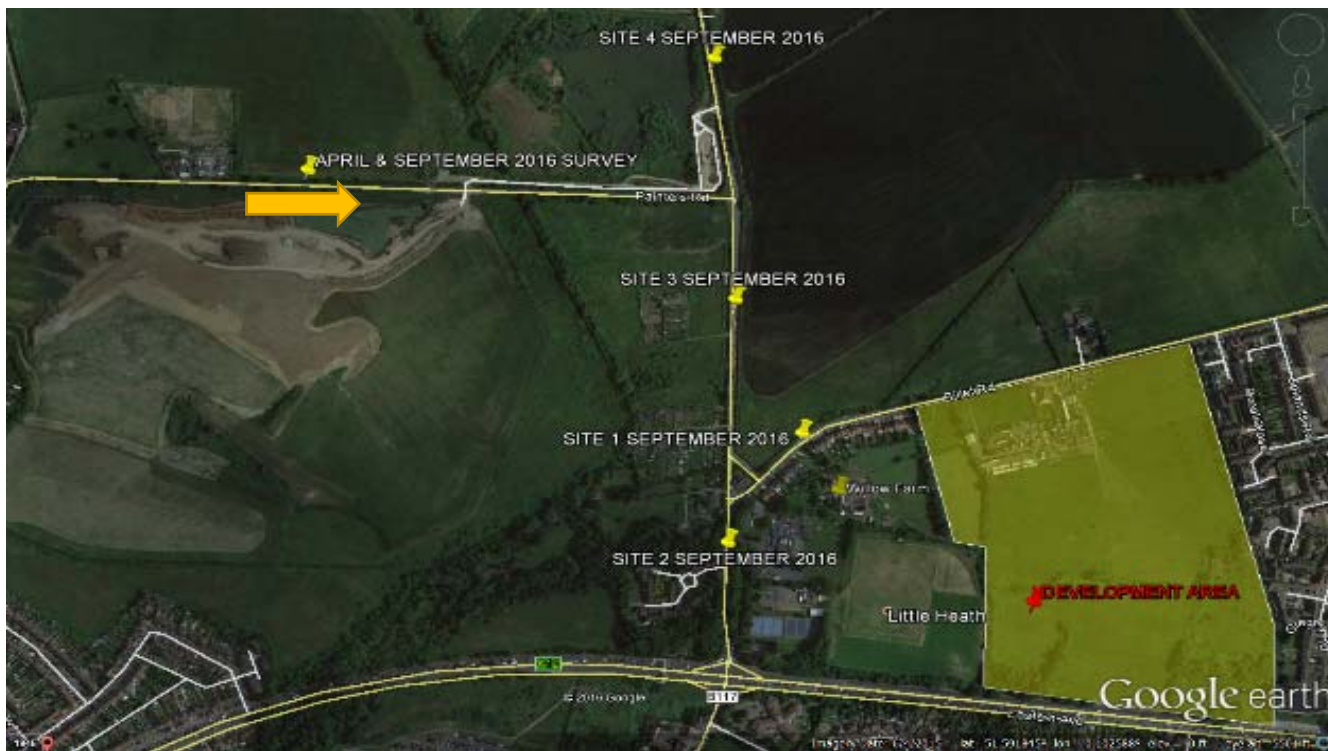


COMPARISON OF TRAFFIC FLOWS ALONG PAINTERS ROAD
DURING APRIL 2016 AND SEPTEMBER 2016
IN APRIL DURING THE AM PEAK FLOW TRAFFIC THERE WAS 284 VEHICLES
IN SEPTEMBER DURING THE AM PEAK FLOW TRAFFIC THERE WAS 642 VEHICLES
AN INCREASE OF 358 VEHICLES AN HOUR

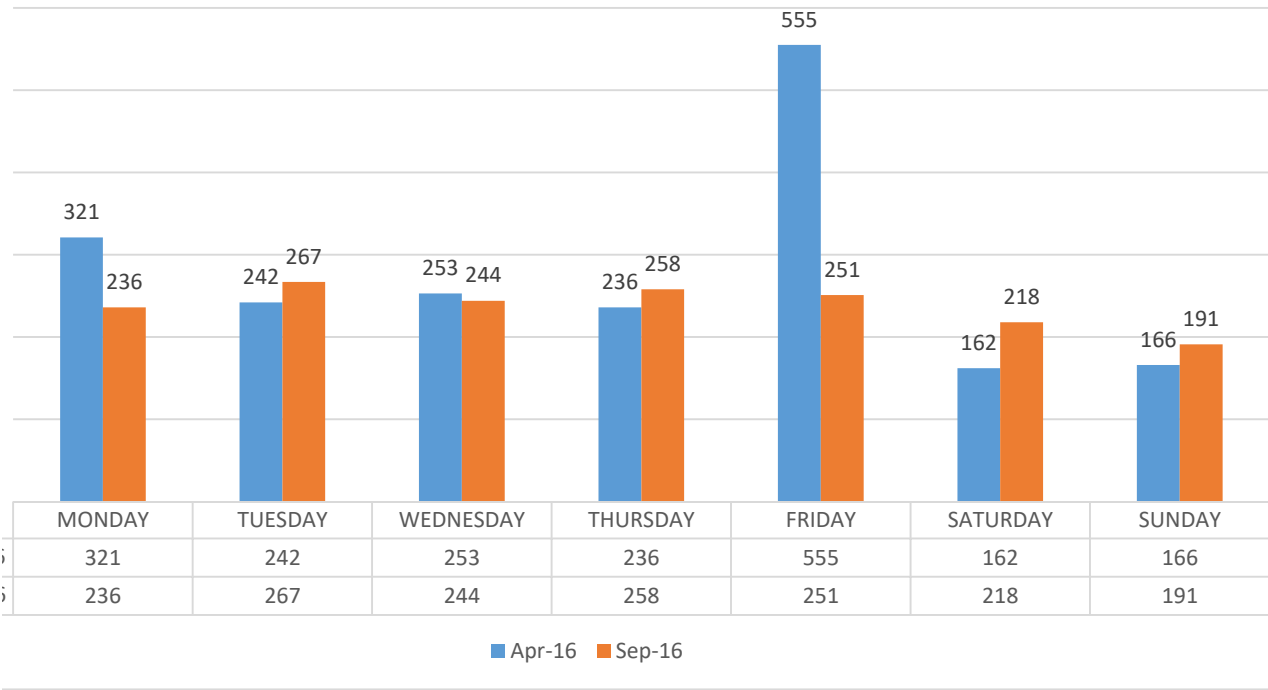
AM PEAK FLOWS FOR APRIL & SEPTEMBER 2016 EASTBOUND



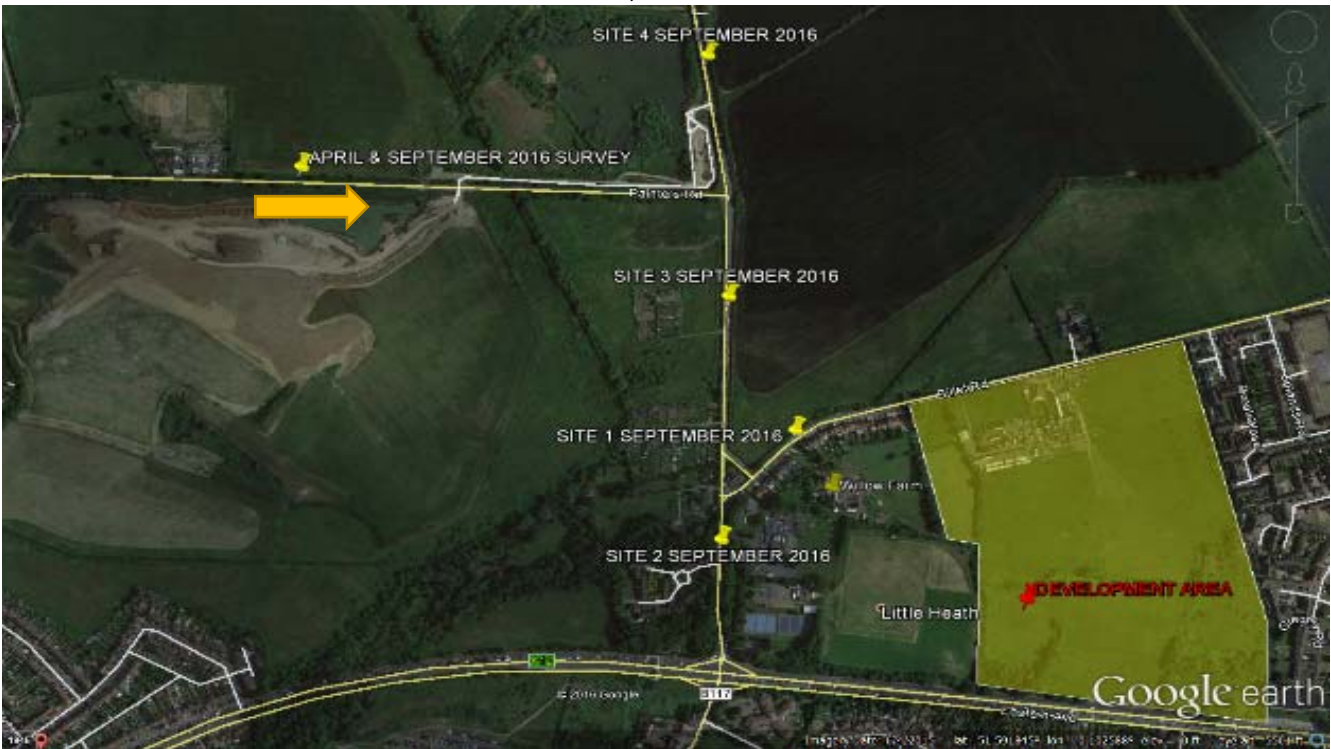
PAINTERS ROAD, ALDBOROUGH HATCH



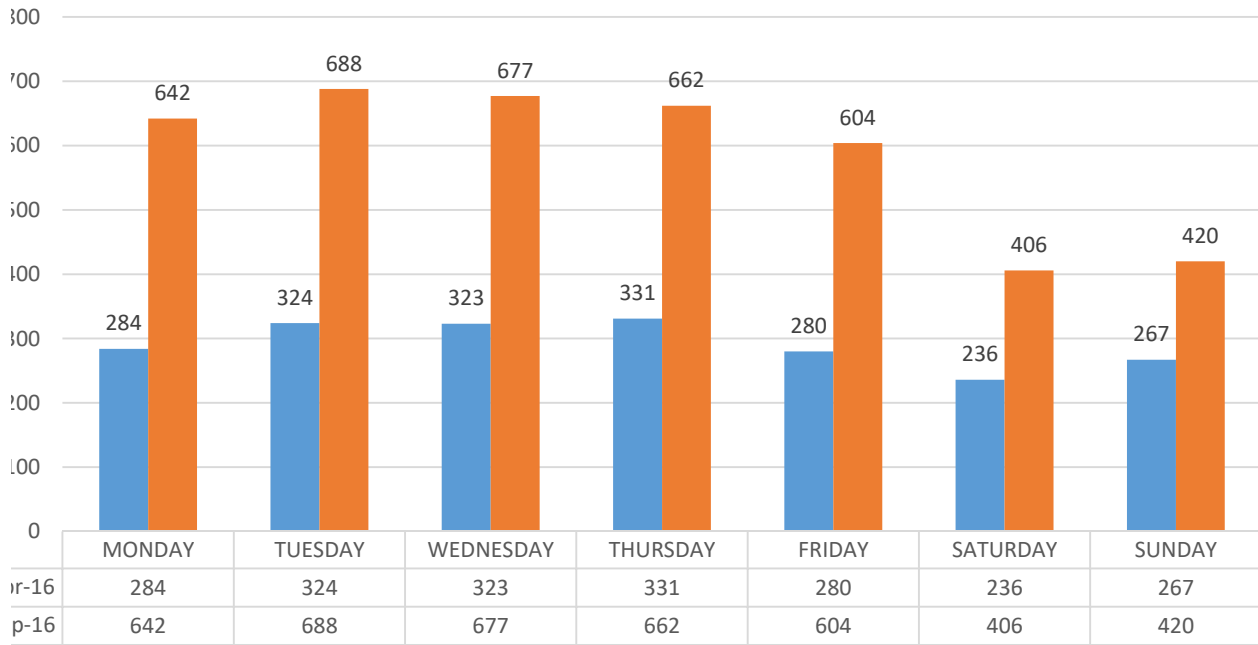
PM PEAK FLOWS FOR APRIL & SEPTEMBER 2016 EASTBOUND



PAINTERS ROAD, ALDBOROUGH HATCH

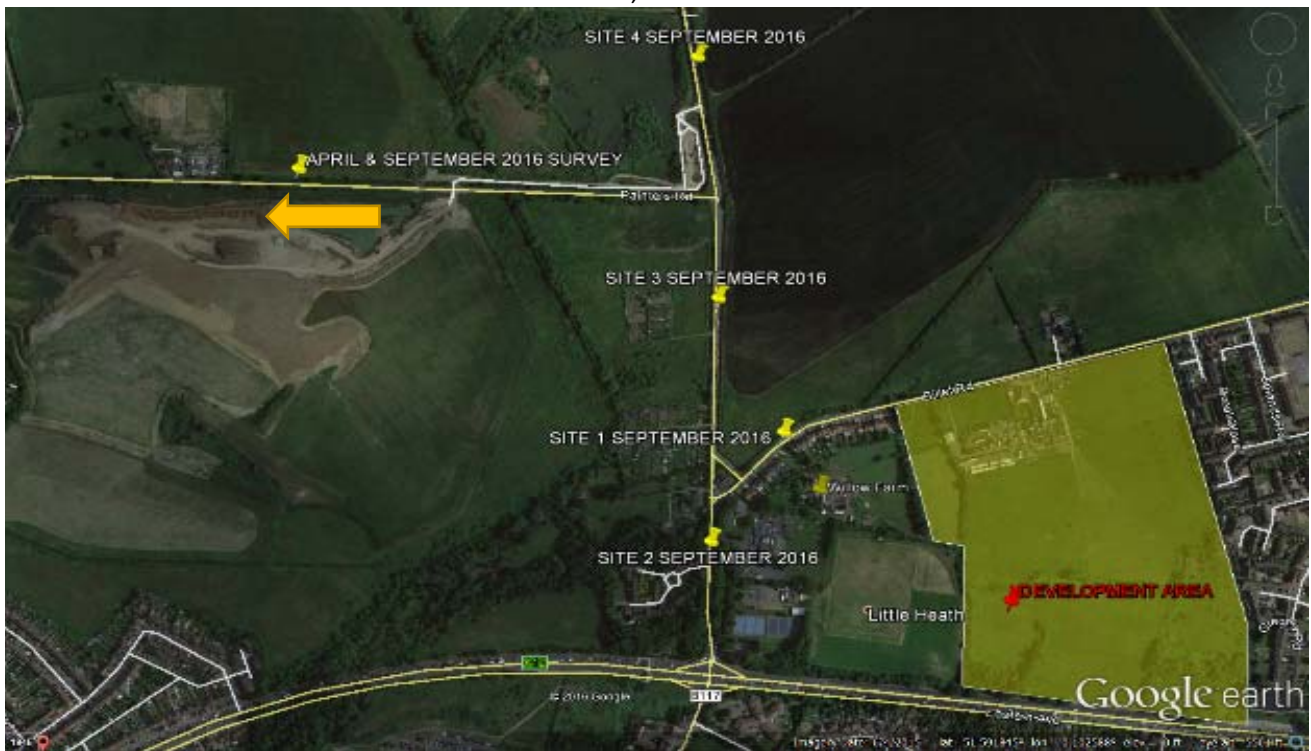


AM PEAK FLOWS FOR APRIL & SEPTEMBER 2016 WESTBOUND

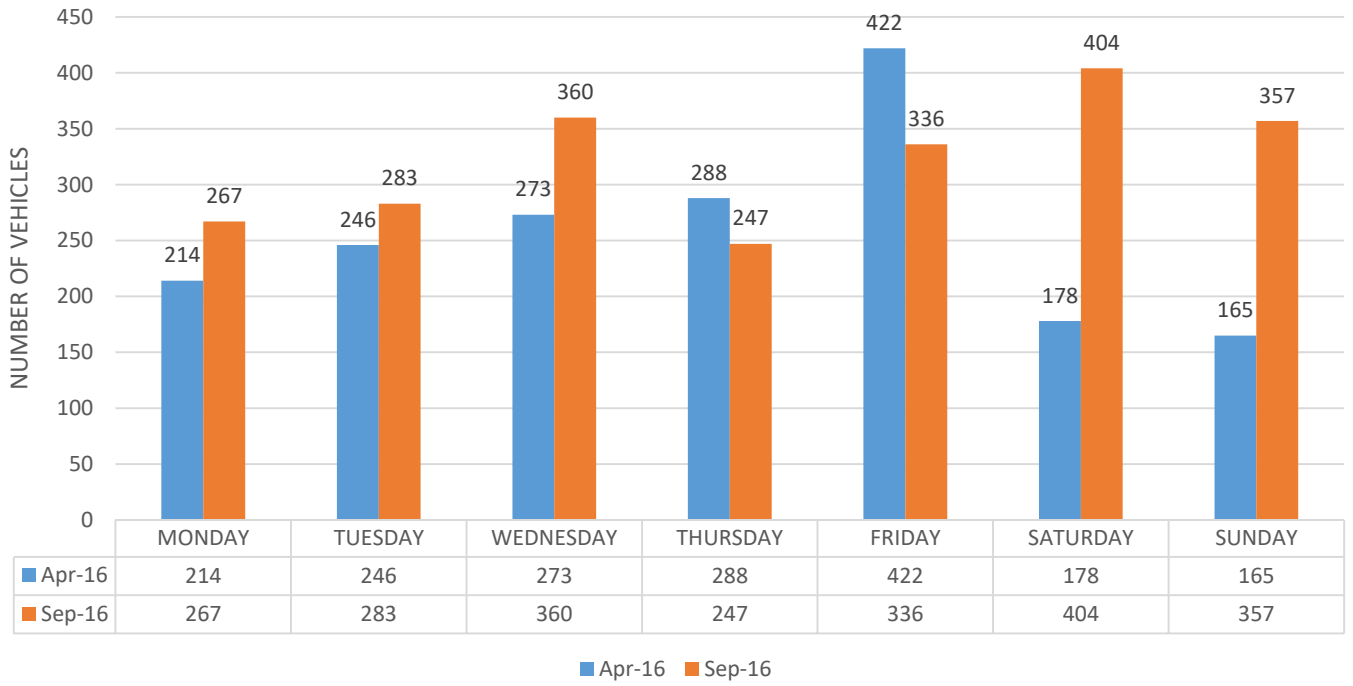


■ Apr-16 ■ Sep-16

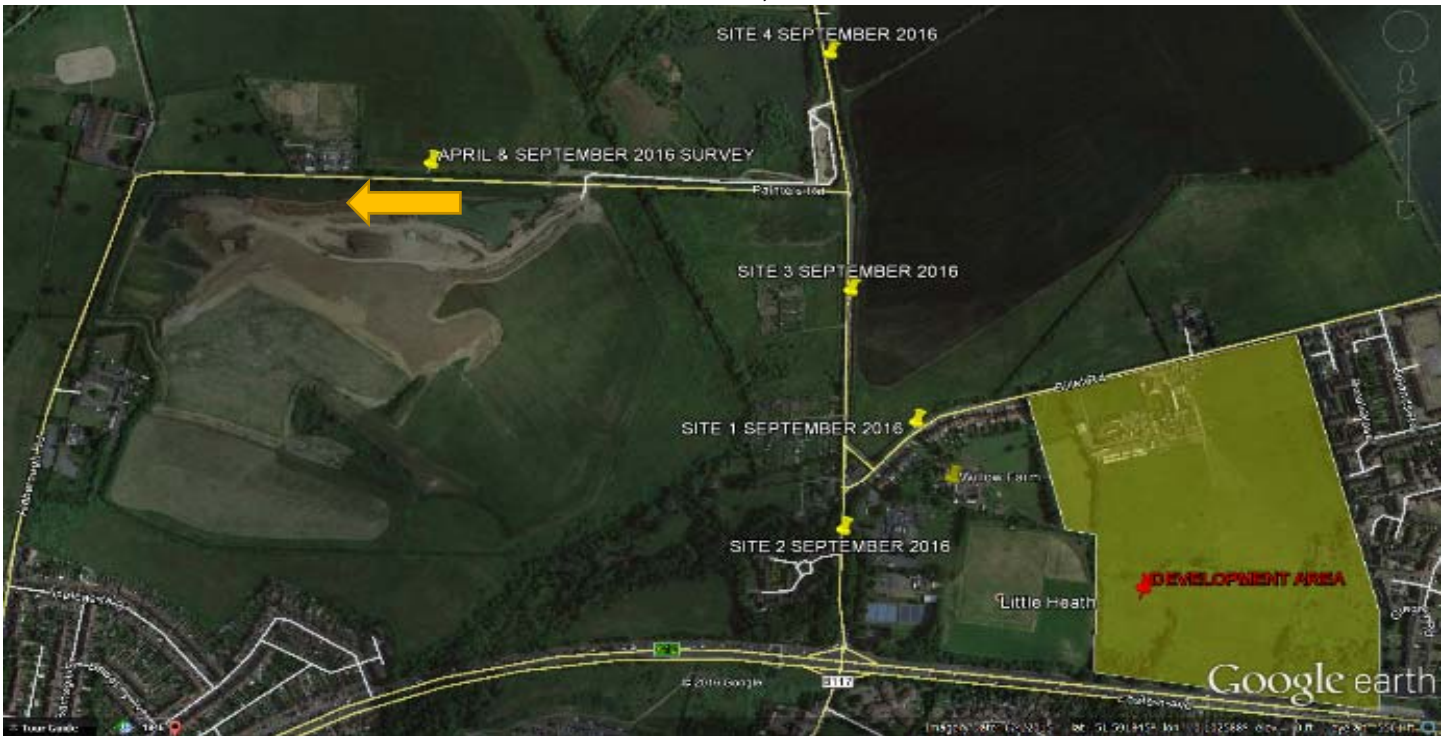
PAINTERS ROAD, ALDBOROUGH HATCH



PM PEAK FLOWS FOR APRIL & SEPTEMBER 2016 WESTBOUND



PAINTERS ROAD, ALDBOROUGH HATCH



NOBAL TRAFFIC REPORT

Report Id - CustomList-39

SURVEY CARRIED OUT AT SAME LOCATION AS REDBRIDGE

Site Name - CSW002

Description - HAINAULT ROAD [30MPH] NORTH OF A12

QUEING TRAFFIC FROM TRAFFIC LIGHTS

Direction - South

21 September 2016

Time	Vehicle Speed														Number Vehicle Classes ARX Scheme								Average Speed	Standard deviation	Number Above Speed Limit	% Above Speed Limit			
	Hourly Totals	MPH 0	MPH 10	MPH 15	MPH 20	MPH 25	MPH 30	MPH 35	MPH 40	MPH 45	MPH 50	MPH 55	MPH 60	MPH 65	Motor Cycles	Car Van	Car Van Towing	2 Axle Van Lorry	3 Axle Rigid	4 Axle Rigid	3 Axle Artic	4 Axle Artic					5 Axle Artic	6 Axle Artic	P-Tile 85%
0000	92	0	1	1	12	27	32	15	4	0	0	0	0	0	1	80	0	9	0	0	0	0	1	1	35.7	30.6	5.4	51	55.43
0100	47	0	1	2	5	17	14	5	2	0	0	1	0	0	0	44	0	3	0	0	0	0	0	0	36.8	30.1	7.2	22	46.81
0200	28	0	1	1	3	7	4	8	2	1	0	1	0	0	0	24	0	2	0	0	0	1	1	40.3	32.3	9.6	16	57.14	
0300	41	0	0	1	4	8	16	11	1	0	0	0	0	0	1	30	0	10	0	0	0	0	0	0	36.4	31.7	5	28	68.29
0400	49	0	0	2	3	13	17	7	7	0	0	0	0	0	3	39	1	5	0	0	0	1	0	0	40.1	32.1	6.6	31	63.27
0500	146	0	1	0	15	46	52	28	3	1	0	0	0	0	4	117	0	24	0	1	0	0	0	0	36	30.9	5.1	84	57.53
0600	355	0	13	28	95	118	72	25	2	1	1	0	0	0	13	288	2	47	2	1	0	2	0	0	32.5	26.7	6	101	28.45
0700	454	93	168	109	44	21	13	6	0	0	0	0	0	0	16	396	1	29	2	8	0	2	0	0	21.2	15.2	6.4	19	4.185
0800	413	75	182	124	21	9	2	0	0	0	0	0	0	0	9	363	3	31	5	1	1	0	0	0	17.8	14	4.5	2	0.484
0900	366	146	160	38	16	5	1	0	0	0	0	0	0	0	7	327	0	27	1	4	0	0	0	0	15.5	11.8	4.5	1	0.273
1000	413	60	107	65	53	87	33	6	2	0	0	0	0	0	3	361	3	40	2	3	0	0	1	0	28.2	19.1	8.3	41	9.927
1100	437	61	93	74	91	84	31	2	1	0	0	0	0	0	5	366	4	51	2	6	0	2	1	0	27.5	19.2	7.6	34	7.78
1200	397	75	125	51	64	56	21	3	2	0	0	0	0	0	8	345	2	35	4	2	0	1	0	0	26.7	17.2	8	26	6.549
1300	476	110	176	113	53	17	3	1	3	0	0	0	0	0	14	411	4	36	0	7	0	0	2	0	20.2	14.5	6	7	1.471
1400	358	119	136	58	25	9	7	4	0	0	0	0	0	0	7	302	3	36	4	4	2	0	0	0	18.9	13.3	6.2	11	3.073
1500	529	100	235	118	49	20	6	0	0	1	0	0	0	0	5	472	1	40	2	6	1	0	0	2	19.6	14.4	5.6	7	1.323
1600	528	69	161	175	57	43	17	2	3	1	0	0	0	0	10	476	3	32	1	5	0	1	0	0	23.9	16.8	6.7	23	4.356
1700	492	92	149	158	58	27	7	1	0	0	0	0	0	0	9	454	1	24	2	2	0	0	0	0	21.8	15.4	5.9	8	1.626
1800	530	92	220	174	34	9	1	0	0	0	0	0	0	0	8	490	3	20	1	5	2	1	0	0	18.6	14.2	4.3	1	0.189
1900	488	37	96	124	131	73	25	1	1	0	0	0	0	0	0	452	4	26	2	4	0	0	0	0	26.9	19.6	6.6	27	5.533
2000	405	6	44	70	136	110	31	7	1	0	0	0	0	0	5	373	3	20	3	1	0	0	0	0	28.8	22.7	6	39	9.63
2100	389	11	38	62	80	117	73	6	0	0	0	0	2	0	4	352	2	24	3	3	0	0	0	1	30.9	23.9	7.2	81	20.82
2200	384	15	54	71	88	93	45	13	4	1	0	0	0	0	5	358	3	16	1	1	0	0	0	0	30.6	22.9	7.5	63	16.41
2300	288	1	4	38	76	94	57	16	1	1	0	0	0	0	2	264	3	17	0	1	0	0	1	0	32	26.1	5.6	75	26.04
07-19	5393	1092	1912	1257	565	387	142	25	11	2	0	0	0	0	101	4763	28	401	26	53	6	7	4	2	22.5	15.4	6.6	180	3.338
06-22	7030	1146	2103	1541	1007	805	343	64	15	3	1	0	2	0	123	6228	39	518	36	62	6	9	4	3	26.1	17.2	7.4	428	6.088
06-00	7702	1162	2161	1650	1171	992	445	93	20	5	1	0	2	0	130	6850	45	551	37	64	6	9	5	3	26.8	17.8	7.6	566	7.349
00-00	8105	1162	2165	1657	1213	1110	580	167	39	7	1	2	2	0	139	7184	46	604	37	65	6	9	8	5	27.9	18.5	8.1	798	9.846

Vehicles = 8105

Posted speed limit = 30 mph, Exceeding = 798 (9.846%), Mean Exceeding = 33.77 mph

Maximum = 60.8 mph, Minimum = 0.8 mph, Mean = 18.5 mph

85% Speed = 27.91 mph, 95% Speed = 32.59 mph, Median = 16.89 mph

10 mph Pace = 8 - 18, Number in Pace = 3951 (48.75%)

Variance = 65.29, Standard Deviation = 8.08 mph

This traffic report is for one day 21/09/2016, traffic is traveling south along Hainault Road to the traffic lights at the A12. from 06:00hrs to midnight the traffic is slow moving due to weight of traffic. On a normal free flowing 30mph road we would expect to see speeds of vehicles

Slow moving or queing traffic before traffic lights

TABLE 2-8 Traffic Speeds (all recordings on roads during survey period.)

Location	Direction	85th Percentile Speed Band	Speeding	Standard Deviation	Above Speed Limit
Hainault Road Nth of A12	Northbound	31.1	12706	5.6	21.12%
	Southbound	28.3	5632	8.3	10.49%
Billet Road	Eastbound	32.6	8635	4.7	31.52%
	Westbound	34.4	11885	7.5	42.38%
Hainault Road Nth of Billet Road	Northbound	42.8	18121	5.9	30.46%
	Southbound	42.8	18503	8.1	31.05%

We Carried out traffic surveys on Billet Road and on Hainault Road at the same location as they had been carried out for the High Level Traffic Study. In my opinion these sites were chosen so they would not reflect true traffic flow or saturation. These sites were placed where they would be affected by slow moving, queuing traffic.

We used the MetroCount 5600 Traffic Loggers, we are recognised as one of the best collectors of ATC data by MetroCount UK Ltd, I am recommended by them, and carry out regular training for ATC installation and site preparation We are regularly sub-contracted by many survey companies to carry out ATC surveys on their behalf.

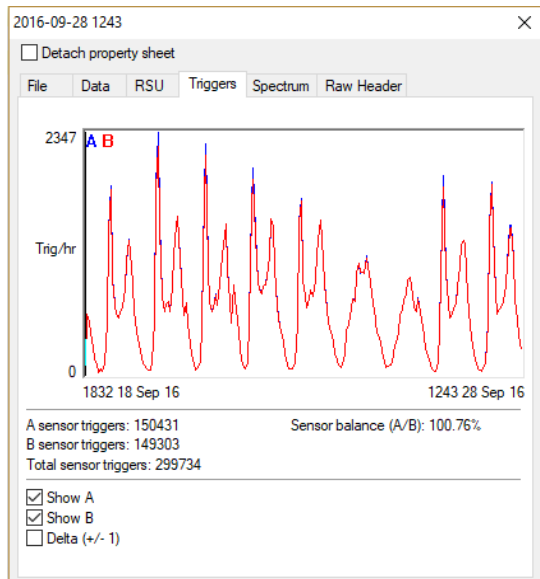
To measure the speed of a road, the traffic should be free flowing, we used the same locations used in the 'High Level Traffic Study' on Hainault Road north of the A12, and for Billet Road, these locations did not have free flowing traffic, and speeds of vehicles was reduced. This has an overall effect of the noted road speed.

We carried out 'Speed Surveys' for 'TFL' prior to 'Safety Camera Installation' during 'safety Camera' operations to monitor the roads speed, these surveys were carried out 300 meters before or after the 'Safety Camera' location, to reflect the true speed of the road, rush hour traffic/periods where the speed of vehicles dropped to less than 15mph, these times were not included in the speed report. Slow moving/queuing traffic reduces the 85th percentile figure.

This table is a comparison to the High Level Study fig 2-8 .

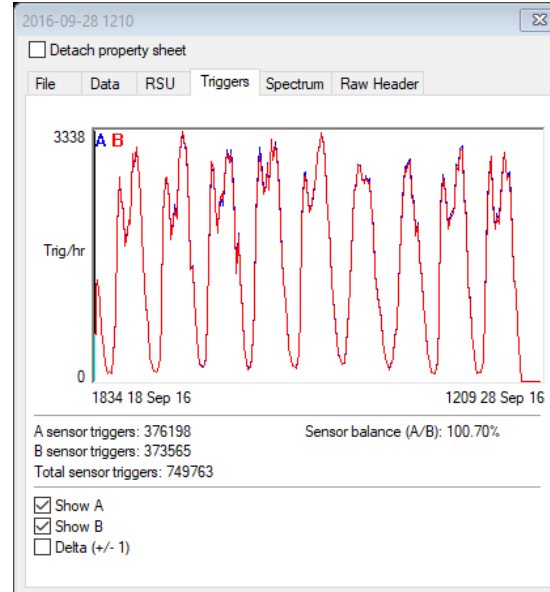
The graphs show the quality of the data, at the peak of

Billet Road



Difference between Axle hits 1,128
Loss of '+/- 550 vehicles

Hainault Road North of A12



Difference between Axle hits 2,633
Loss of '+/- 1300 vehicles

We contacted The LB of Redbridge and Atkins, and asked to have a copy of the MetroCount .eco files so we could look at the quality of the data collected specifically to check the sensor correlation.

22/09/2016	HAINAULT ROAD NTH OF THE A12 NORTHBOUND									
TIME	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
07:00-08:00	0	3	397	0	37	2	10	0	449	461.20
08:00-09:00	0	5	580	0	32	1	2	0	620	620.10
09:00-10:00	0	2	531	0	57	2	12	0	604	619.40
Hourly Total	0	10	1508	0	126	5	24	0	1673	1700.70
15:00-16:00	0	6	580	0	36	1	4	0	627	629.10
16:00-17:00	0	8	645	0	51	0	2	0	706	703.80
17:00-18:00	0	8	634	0	45	1	2	0	690	688.30
Hourly Total	0	22	1859	0	132	2	8	0	2023	2021.20

Session Total	0	32	3367	0	258	7	32	0	3696	3721.90
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21/09/2016	HAINAULT ROAD NORTH OF THE A12 SOUTHBOUND									
TIME	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
07:00-08:00	0	16	397	0	29	2	10	0	454	458.40
08:00-09:00	0	9	366	0	31	5	2	0	413	412.70
09:00-10:00	0	7	327	0	27	1	4	0	366	367.50
Hourly Total	0	32	1090	0	87	8	16	0	1233	1238.60
15:00-16:00	0	5	473	0	40	2	9	0	529	538.70
16:00-17:00	0	10	479	0	32	1	6	0	528	530.30
17:00-18:00	0	9	455	0	24	2	2	0	492	490.20
Hourly Total	0	24	1407	0	96	5	17	0	1549	1559.20

Session Total	0	56	2497	0	183	13	33	0	2782	2797.80
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This is a count of vehicles taken at the time of the main survey, this uses the same formula as the 'High Level Traffic Study'.

22/09/2016	BILLET ROAD EASTBOUND								TOTAL	PCU TOTAL
TIME	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
07:00-08:00	0	2	86	0	10	0	3	0	101	103.70
08:00-09:00	0	1	156	0	5	0	0	0	162	161.40
09:00-10:00	0	2	210	0	25	1	3	0	241	244.20
Hourly Total	0	5	452	0	40	1	6	0	504	509.30
15:00-16:00	0	5	279	0	21	0	0	0	305	302.00
16:00-17:00	0	10	407	0	37	0	3	0	457	454.90
17:00-18:00	0	6	474	0	40	0	3	0	523	523.30
Hourly Total	0	21	1160	0	98	0	6	0	1285	1280.20

Session Total	0	26	1612	0	138	1	12	0	1789	1789.50
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08:00-09:00	0	8	500	0	29	0	1	0	538	534.50
09:00-10:00	0	0	252	0	27	0	2	0	281	283.60
Hourly Total	0	17	1453	0	106	1	7	0	1584	1583.40
15:00-16:00	0	0	175	0	15	0	1	0	191	192.30
16:00-17:00	0	1	146	0	15	0	0	0	162	161.40
17:00-18:00	0	4	230	0	25	0	0	0	259	256.60
Hourly Total	0	5	551	0	55	0	1	0	612	610.30

Session Total	0	22	2004	0	161	1	8	0	2196	2193.70
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22/09/2016	HAINAULT ROAD NTH OF BILLET ROAD NORTHBOUND								TOTAL	PCU TOTAL
TIME	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
07:00-08:00	0	6	716	0	94	4	11	0	831	843.70
08:00-09:00	0	8	616	0	64	1	4	0	693	693.90
09:00-10:00	0	1	474	0	67	1	4	0	547	552.10
Hourly Total	0	15	1806	0	225	6	19	0	2071	2089.70
15:00-16:00	0	1	612	0	63	0	2	0	678	680.00
16:00-17:00	0	5	621	0	35	0	3	0	664	664.90
17:00-18:00	0	1	605	0	25	1	5	0	637	643.40
Hourly Total	0	7	1838	0	123	1	10	0	1979	1988.30

Session Total	0	22	3644	0	348	7	29	0	4050	4078.00
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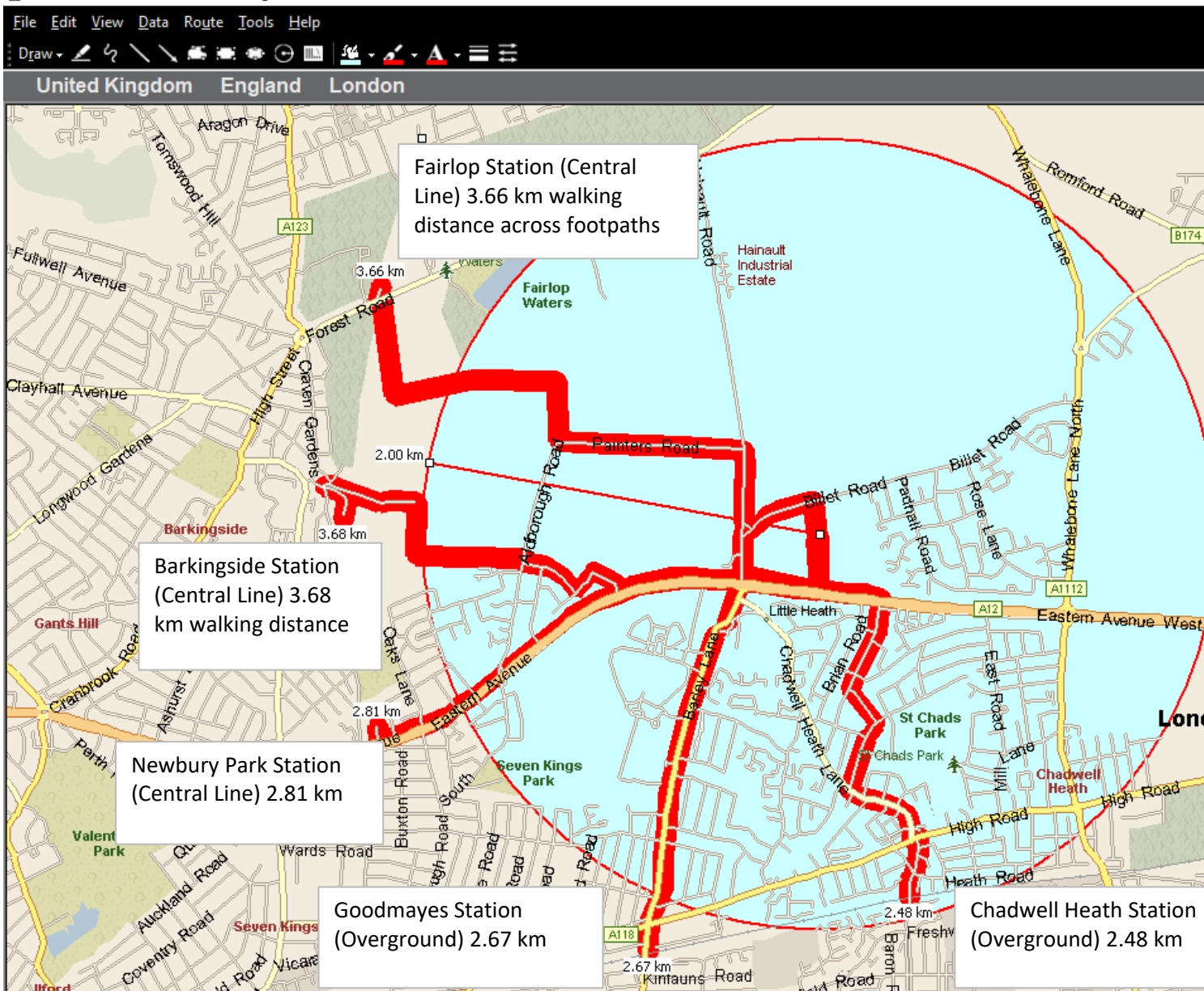
22/09/2016	HAINAULT ROAD NTH OF BILLET ROAD SOUTHBOUND								TOTAL	PCU TOTAL
TIME	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
07:00-08:00	0	1	351	0	49	0	4	0	405	409.60
08:00-09:00	0	5	473	0	53	1	5	0	537	541.00
09:00-10:00	0	3	478	0	58	4	1	0	544	545.50
Hourly Total	0	9	1302	0	160	5	10	0	1486	1496.10
15:00-16:00	0	5	690	0	82	1	4	0	782	784.70
16:00-17:00	0	9	737	0	63	2	8	0	819	825.00
17:00-18:00	0	9	819	0	40	4	6	0	878	882.40
Hourly Total	0	23	2246	0	185	7	18	0	2479	2492.10

Session Total	0	32	3548	0	345	12	28	0	3965	3988.20
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Billet Road Existing Hourly Base Traffic Flows (PCUs) AM and PM Periods; September 2016

Period	Hainault Road; NTH OF A12		Billet Road		Hainault Road; NTH OF BILLET RD		Total
	Direction	PCU Count	Direction	PCU Count	Direction	PCU Count	
07:00	Northbound	461.20	Eastbound	103.70	Northbound	843.7	3041.90
08:00	Southbound	458.40	Westbound	765.30	Southbound	409.6	
Total	Combinded	919.60	Combinded	869.00	Combinded	1253.30	
08:00	Northbound	620.10	Eastbound	161.40	Northbound	693.9	2963.50
09:00	Southbound	412.70	Westbound	534.40	Southbound	541	
Total	Combinded	1032.80	Combinded	695.80	Combinded	1234.90	
09:00	Northbound	619.40	Eastbound	244.20	Northbound	552.1	2612.30
10:00	Southbound	367.50	Westbound	283.60	Southbound	545.5	
Total	Combinded	986.90	Combinded	527.80	Combinded	1097.60	
15:00	Northbound	629.10	Eastbound	302.00	Northbound	680.00	3126.80
16:00	Southbound	538.70	Westbound	192.3	Southbound	784.70	
Total	Combinded	1167.80	Combinded	494.30	Combinded	1464.70	
16:00	Northbound	703.80	Eastbound	454.9	Northbound	664.90	3340.30
17:00	Southbound	530.30	Westbound	161.4	Southbound	825.00	
Total	Combinded	1234.10	Combinded	616.30	Combinded	1489.90	
17:00	Northbound	688.30	Eastbound	523.3	Northbound	545.50	3386.30
18:00	Southbound	490.20	Westbound	256.6	Southbound	882.40	
Total	Combinded	1178.50	Combinded	779.90	Combinded	1427.90	

This is a similar report to the 2-6 high level study, we did not place a ATC on Barley Lane, we chose instead to place an ATC north of Billet Road (south of Painters Road), this shows how much traffic turns right out of Billet Road, and as shown in our graphs for the difference in traffic total flows along Painters Road. In 'Traffic Flows Comparison' (separate file) we show how much increase of vehicle movements there has been from surveys carried out in April 2016 and September 2017.



2.4. fig 2-6 Public Transport

The High Level Transport Study Report states that

The nearest mainline Overground Railway Station to the Billet Road site is Chadwell Heath, approximately 1.8km south of the site. [Actual is 2.48km](#)

The Billet Road site is served by the London Underground network via Central Line services. The nearest Underground Stations to the site are Newbury Park and Barkingside, both approximately 2.3km from the site [Actual from the centre of the proposed development; Newbury Park 2.81km; Barkingside 3.68km, To get to Barkingside Station will involve using Footpaths and/or Bridleways. Neither of these stations has disabled access.](#)

The train stations detailed in the high level report are not as close as mentioned or as easily reached. The Central Line is over crowded from Newbury Park, and to get a seat on the main line service after Romford you would need to be very lucky. If we were livestock there would be legislation to protect us from traveling on these hot over crowded carriages.

A few years ago there was a proposal to create an all weather racing course on Fairlop Plain, this was turned down as at the time the transport infrastructure was considered to be over stretched, and even having one event a month was considered to be putting too much strain on the local roads/transport. Our transport infrastructure is still the same, the only difference is, we are now looking at over stretching the system 365 days a year for the next!!!

We have compared this to the high level

In this series of pictures we are showing how badly this round-a-bout functions, how it is continuously being blocked and drivers not giving way to each other, they have been sitting in slow moving traffic (to this point) for 10 to 15 minutes along both sections of road, there is another 5 minutes of traffic queues to get from this point across the traffic lights on the A12.

The conditions at the junction of Rose Lane and Whalebone Lane North is just as congested, Rush hour traffic is known to queue back from the A12 lights past Billet Road. There is a yellow box at the junction of Rose Lane and Whalebone Lane North, this is routinely ignored.



our vehicle leaving our premisis

journey time to round a bout 2:39



southbound traffic blocks keep clear
queue is 34 vehicles



southbound traffic blocks keep clear



Southbound traffic blocking keep clear; 07:41: 54



Southbound traffic blocking keep clear; 07:42: 06, westbound traffic goes round keep left signs



Southbound traffic blocking keep clear; 07:42: 34, westbound traffic goes round keep left signs





It should be noted that the second westbound lane is only 30 meters long, starts at the first lamp post on the right of the picture, vehicles turning right travel along the wrong side of Billet Road creating a pinch point for eastbound traffic.







JOB NAME: Billet Road observation & counts LAT - LONG; 51.584667; 0.117614	
SITE, JOB #: 0012706-3	ON SITE RISK ASSESMENT; 1.5
SITE DESCRIPTION; BILLET ROAD JUNCTION WITH HAINAULT ROAD	COMMENTS; - Billet Road westbound is towards junction. Hainault Road runs North to South, The Round A bout at the junction is 230 meters North of the A12 Traffic Lights
AREA & POSTCODE; RM6 5SU	DVR & CAMERA; MON06
INSTALL DATE 21/09/2016	SURVEY DATE & TIMES; 2 WEEKDAYS 0730-1000 & 1630-1900
CAMERA LOCATION; View looking east along Billet Road, A12 is towards the right of view.	SURVEY PRIORITIES; VIOLATIONS OF THE KEEP CLEAR WHETHER OR NOT A VEHICLE IS 'FULLY' CONTAINED OR 'PARTIALLY' CONTAINED IN THE KEEP CLEAR AREA.
Survey times - 0730-1000 & 1630-1900	

Place 'X' in column applicable

TIME IN	VEHICLE TYPE	FRONT END	WHOLE VEHICLE	REAR END	TIME OUT	COMMENTS
06:52:03	CAR	X			06:52:09	BILLET ROAD EXIT RIGHT
06:53:05	OGV1	X			06:53:09	BILLET ROAD EXIT RIGHT
06:53:34	OGV1	X			06:53:45	BILLET ROAD EXIT RIGHT
06:56:18	CAR		X		06:56:20	BILLET ROAD EXIT RIGHT, NEAR MISS WITH OGV1 HAINAULT ROAD TURNING RIGHT
06:56:29	CAR	X			06:56:36	BILLET ROAD EXIT RIGHT
06:56:46	PSV	X			06:56:50	BILLET ROAD EXIT LEFT
06:56:54	LGV	X			06:56:58	BILLET ROAD EXIT RIGHT
07:01:26	CAR	X			07:01:30	HAINAULT ROAD SOUTHBOUND
07:03:50	CAR	X			07:03:55	BILLET ROAD EXIT RIGHT
07:06:15	CAR		X		07:06:23	BILLET ROAD EXIT LEFT
07:06:25	LGV					OVERTAKE ON WRONG SIDE OF ROAD
07:06:28	CAR	X			07:06:36	BILLET ROAD EXIT LEFT
07:06:29	LGV	X			07:06:36	BILLET ROAD EXIT RIGHT
07:06:54	CAR	X			07:07:07	BILLET ROAD EXIT RIGHT
07:06:57	LGV	X			07:07:01	BILLET ROAD EXIT LEFT
07:09:25	CAR		X		07:09:29	BILLET ROAD EXIT RIGHT

The keep clear document highlights the problems at the junction of Billet Road-Hainault Road, we are showing hoe vehicles negotiate the round-a-bout, if a vehicle did not cross the white lines on the round-a-bout it was ignored, we are showing vehicles that enter onto the round-a-bout, the type of vehicle, and how long it takes for the vehicle to clear the round-a-bout, any illegal/dangerous manoeuvres.

There is a high number of accidents caused by the lack of courtesy to other road users, there are a high number of minor accidents at this location, (not reported/shown on 'Crash Map' as they are minor bumps.) Vehicles traveling south on Hainault Road do not see vehicles on the round-a-bout from Billet Road, as the round-a-bout is off-set, the southbound drivers believe that they have right of way as there is no traffic coming from their right. The 'Highway Code' is very clear on the subject "if a vehicle is on the round-a-bout, that vehicle has the right of way.

07:09:26	CAR		X		07:09:42	HAINAULT ROAD SOUTHBOUND
07:09:29	OGV1	X			07:09:43	BILLET ROAD EXIT LEFT
07:09:44	CAR	X			07:10:01	BILLET ROAD EXIT LEFT
07:09:44	CAR	X			07:10:01	BILLET ROAD EXIT RIGHT
07:10:47	CAR	X			07:10:53	BILLET ROAD EXIT RIGHT
07:12:52	CAR		X		07:13:15	BILLET ROAD EXIT LEFT
07:13:20	CAR	X			07:13:39	BILLET ROAD EXIT LEFT
07:13:30	CAR	X			07:13:39	BILLET ROAD EXIT RIGHT
07:13:50	LGV	X			07:13:52	BILLET ROAD EXIT RIGHT
07:13:53	CAR			X	07:14:59	HAINAULT ROAD SOUTHBOUND
07:14:11	CAR		X		07:15:01	BILLET ROAD EXIT LEFT
07:14:46	CAR	X			07:14:52	HAINAULT ROAD NORTHBOUND
07:19:44	CAR	X			07:19:51	HAINAULT ROAD SOUTHBOUND
07:19:58	CAR			X	07:20:07	HAINAULT ROAD SOUTHBOUND
07:20:05	CAR		X		07:20:10	HAINAULT ROAD SOUTHBOUND
07:20:52	CAR		X		07:20:58	BILLET ROAD EXIT RIGHT
07:21:49	CAR		X		07:21:56	HAINAULT ROAD SOUTHBOUND
07:22:51	CAR	X			07:22:56	BILLET ROAD EXIT RIGHT
07:23:24	OGV1		X		07:23:30	BILLET ROAD EXIT RIGHT
07:23:25	CAR		X		07:23:39	HAINAULT ROAD SOUTHBOUND
07:23:53	LGV		X		07:23:58	BILLET ROAD EXIT RIGHT
07:25:12	CAR	X			07:25:16	BILLET ROAD EXIT RIGHT
07:25:39	CAR	X			07:25:45	BILLET ROAD EXIT LEFT
07:25:40	CAR	X			07:25:45	BILLET ROAD EXIT RIGHT
07:26:01	CAR	X			07:25:05	BILLET ROAD EXIT RIGHT
07:26:08	OGV1		X		07:26:12	BILLET ROAD EXIT RIGHT
07:26:29	CAR		X		07:26:40	BILLET ROAD EXIT RIGHT
07:28:29	CAR	X			07:28:33	BILLET ROAD EXIT RIGHT
07:28:37	LGV		X		07:28:40	BILLET ROAD EXIT LEFT
07:29:37	CAR	X			07:29:44	BILLET ROAD EXIT RIGHT
07:30:07	CAR					OVERTAKES ON WRONG SIDE OF THE ROAD

07:30:15	CAR	X			07:30:20	BILLET ROAD EXIT RIGHT
07:31:07	CAR		X		07:31:14	BILLET ROAD EXIT RIGHT
07:31:16	CAR	X			07:31:21	BILLET ROAD EXIT RIGHT
07:31:17	CAR	X			07:31:22	HAINAULT ROAD SOUTHBOUND
07:31:28	CAR			X	07:32:17	HAINAULT ROAD SOUTHBOUND
07:31:39	CAR		X		07:31:42	BILLET ROAD EXIT RIGHT
07:31:40	LGV		X		07:31:44	BILLET ROAD EXIT RIGHT
07:31:50	CAR	X			07:31:55	HAINAULT ROAD NORTHBOUND
07:31:58	CAR		X		07:32:22	BILLET ROAD EXIT LEFT
07:32:24	CAR	X			07:32:52	BILLET ROAD EXIT RIGHT
07:32:40	LGV		X		07:32:49	BILLET ROAD EXIT LEFT
07:32:44	LGV		X		07:32:53	HAINAULT ROAD SOUTHBOUND
07:32:55	CAR		X		07:33:00	HAINAULT ROAD NORTHBOUND
07:33:06	CAR		X		07:34:20	BILLET ROAD EXIT LEFT
07:33:25	LGV		X		07:34:07	HAINAULT ROAD SOUTHBOUND
07:33:50	CAR	X			07:34:03	HAINAULT ROAD NORTHBOUND
07:34:10	CAR	X			07:34:20	BILLET ROAD EXIT RIGHT
07:34:36	CAR			X	07:35:55	HAINAULT ROAD SOUTHBOUND
07:34:36	LGV	X			07:35:58	HAINAULT ROAD SOUTHBOUND
07:35:14	CAR	X			07:36:00	BILLET ROAD EXIT LEFT
07:35:22	CAR	X			07:37:07	BILLET ROAD EXIT LEFT
07:36:10	CAR	X			07:37:09	BILLET ROAD EXIT LEFT
07:36:29	CAR		X		07:37:30	HAINAULT ROAD SOUTHBOUND, BLOCKS BILLET ROAD EXIT
07:37:15	CAR		X		07:37:30	HAINAULT ROAD SOUTHBOUND
07:37:24	CAR	X			07:37:38	BILLET ROAD EXIT LEFT
07:37:56	CAR		X		07:38:10	HAINAULT ROAD SOUTHBOUND
07:38:02	CAR	X			07:38:13	HAINAULT ROAD SOUTHBOUND
07:38:03	CAR	X			07:38:15	HAINAULT ROAD SOUTHBOUND
07:38:04	CAR	X			07:38:12	BILLET ROAD EXIT LEFT
07:38:15	CAR	X			07:38:23	HAINAULT ROAD SOUTHBOUND

07:38:29	CAR		X		07:39:23	BILLET ROAD EXIT LEFT
07:38:31	CAR	X			07:38:28	BILLET ROAD EXIT LEFT
07:39:28	LGV	X			07:40:10	HAINAULT ROAD SOUTHBOUND
07:39:33	CAR	X			07:40:58	BILLET ROAD EXIT LEFT
07:40:30	CAR		X		07:40:34	HAINAULT ROAD ENTERING BILLET ROAD
07:40:55	CAR	X			07:41:20	BILLET ROAD EXIT RIGHT
07:41:08	CAR		X		07:41:19	BILLET ROAD EXIT LEFT
07:41:24	CAR	X			07:41:37	HAINAULT ROAD SOUTHBOUND
07:41:39	CAR		X		07:42:54	HAINAULT ROAD SOUTHBOUND
07:41:40	CAR		X		07:42:56	HAINAULT ROAD SOUTHBOUND, BLOCKS BILLET ROAD EXIT
07:41:41	CAR	X			07:42:58	BILLET ROAD EXIT LEFT
07:41:58	CAR	X			07:42:07	BILLET ROAD EXIT RIGHT
07:42:04	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT, 3 CARS BACK
07:42:08	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
07:42:08	CAR	X				BILLET ROAD EXIT RIGHT, BLOCKED
07:42:11	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
07:42:16	LGV					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
07:42:18	OGV1		X		07:42:24	HAINAULT ROAD NORTHBOUND, BLOCKED
07:42:20	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
07:42:23	LGV					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
07:42:25	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
07:42:26	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
07:42:29	CAR		X		07:42:44	HAINAULT ROAD NORTHBOUND, BLOCKED
07:42:35	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
07:42:37	LGV					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
07:42:39	LGV					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
07:42:41	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
07:42:49	CAR	X			07:42:59	HAINAULT ROAD SOUTHBOUND
07:42:49	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
07:42:52	CAR		X		07:42:58	HAINAULT ROAD NORTHBOUND

07:43:02	CAR	X			07:43:13	HAINAULT ROAD SOUTHBOUND
07:43:13	CAR	X			07:43:21	BILLET ROAD EXIT LEFT
07:43:14	CAR	X			07:43:23	BILLET ROAD EXIT RIGHT
07:43:26	CAR	X			07:44:33	BILLET ROAD EXIT LEFT
07:43:36	CAR		X		07:44:31	HAINAULT ROAD SOUTHBOUND
07:43:36	CAR	X			07:44:35	HAINAULT ROAD SOUTHBOUND
07:44:00	CAR	X			07:44:19	HAINAULT ROAD NORTHBOUND
07:44:27	CAR		X		07:44:36	HAINAULT ROAD ENTERING BILLET ROAD
07:44:41	OGV1	X			07:46:14	BILLET ROAD EXIT LEFT
07:44:41	CAR	X			07:44:57	BILLET ROAD EXIT RIGHT
07:44:54	CAR		X		07:46:12	HAINAULT ROAD SOUTHBOUND
07:45:23	CAR		X		07:45:32	HAINAULT ROAD NORTHBOUND
07:45:54	CAR		X		07:46:04	HAINAULT ROAD NORTHBOUND
07:46:18	CAR	X			07:46:29	BILLET ROAD EXIT RIGHT
07:46:23	CAR		X		07:46:47	BILLET ROAD EXIT LEFT
07:46:28	CAR		X		07:46:42	HAINAULT ROAD SOUTHBOUND
07:46:33	CAR	X			07:47:41	BILLET ROAD EXIT LEFT
07:46:36	CAR		X		07:46:49	HAINAULT ROAD NORTHBOUND
07:47:46	CAR		X		07:48:09	HAINAULT ROAD SOUTHBOUND
07:47:47	LGV		X		07:48:12	HAINAULT ROAD SOUTHBOUND
07:47:53	BUS	X			07:48:18	BILLET ROAD EXIT LEFT
07:47:56	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
07:48:18	CAR	X			07:48:18	BILLET ROAD EXIT RIGHT
07:48:25	CAR	X			07:49:36	BILLET ROAD EXIT LEFT
07:48:28	CAR		X		07:49:05	HAINAULT ROAD SOUTHBOUND
07:49:12	CAR	X			07:49:43	HAINAULT ROAD SOUTHBOUND
07:49:16	CAR		X		07:49:38	HAINAULT ROAD SOUTHBOUND
07:49:43	CAR		X		07:50:44	BILLET ROAD EXIT LEFT
07:49:46	LGV	X			07:50:13	BILLET ROAD EXIT RIGHT
07:50:14	CAR	X			07:51:31	BILLET ROAD EXIT LEFT
07:50:47	CAR	X			07:51:46	BILLET ROAD EXIT LEFT

07:50:53	CAR			X	07:51:27	HAINAULT ROAD SOUTHBOUND
07:51:35	CAR	X			07:51:42	BILLET ROAD EXIT RIGHT
07:51:54	CAR	X			07:53:10	BILLET ROAD EXIT LEFT
07:51:58	CAR		X		07:52:08	HAINAULT ROAD SOUTHBOUND
07:52:07	CAR		X		07:52:11	HAINAULT ROAD SOUTHBOUND
07:52:19	CAR		X		07:53:06	HAINAULT ROAD SOUTHBOUND
07:52:27	CAR	X			07:53:13	BILLET ROAD EXIT LEFT
07:53:18	CAR	X			07:53:27	BILLET ROAD EXIT RIGHT
07:53:29	CAR	X			07:53:32	BILLET ROAD EXIT LEFT
07:53:29	CAR	X			07:53:33	BILLET ROAD EXIT RIGHT
07:53:39	LGV	X			07:54:54	BILLET ROAD EXIT LEFT
07:53:39	CAR	X			07:53:43	BILLET ROAD EXIT RIGHT
07:53:55	CAR	X			07:55:03	BILLET ROAD EXIT LEFT
07:54:54	CAR		X		07:55:04	BILLET ROAD EXIT RIGHT
07:55:00	CAR	X			07:55:05	BILLET ROAD EXIT LEFT
07:55:13	LGV	X			07:55:26	BILLET ROAD EXIT RIGHT
07:55:20	CAR	X			07:55:29	BILLET ROAD EXIT LEFT
07:55:26	CAR	X			07:56:49	HAINAULT ROAD SOUTHBOUND
07:55:32	CAR			X	07:56:48	BILLET ROAD EXIT LEFT
07:55:33	CAR	X			07:56:52	BILLET ROAD EXIT LEFT
07:56:34	CAR	X			07:56:38	BILLET ROAD EXIT RIGHT
07:56:55	CAR	X			07:57:06	BILLET ROAD EXIT LEFT
07:56:55	CAR	X			07:57:08	BILLET ROAD EXIT RIGHT
07:57:11	CAR	X			07:58:26	HAINAULT ROAD SOUTHBOUND
07:57:13	CAR		X		07:58:20	HAINAULT ROAD SOUTHBOUND
07:57:16	CAR	X			07:58:22	BILLET ROAD EXIT LEFT
07:57:22	CAR	X			07:57:31	HAINAULT ROAD NORTHBOUND
07:57:47	CAR		X		07:57:52	BILLET ROAD EXIT RIGHT
07:58:30	CAR	X			07:58:43	BILLET ROAD EXIT LEFT
07:58:30	CAR		X		07:58:39	HAINAULT ROAD SOUTHBOUND
07:58:30	CAR		X		07:58:40	HAINAULT ROAD SOUTHBOUND

07:58:30	LGV	X			07:58:48	HAINAULT ROAD SOUTHBOUND
07:58:36	CAR		X		07:58:43	HAINAULT ROAD NORTHBOUND
07:58:51	CAR	X			07:58:58	BILLET ROAD EXIT LEFT
07:58:51	CAR	X			07:59:11	BILLET ROAD EXIT RIGHT
07:59:02	CAR	X			07:59:12	BILLET ROAD EXIT LEFT
07:59:10	CAR	X			08:00:30	HAINAULT ROAD SOUTHBOUND
07:59:12	CAR	X			08:00:31	BILLET ROAD EXIT LEFT
07:59:15	CAR	X			08:00:35	BILLET ROAD EXIT LEFT
07:59:30	CAR	X			07:59:37	BILLET ROAD EXIT RIGHT
07:59:50	CAR		X		08:00:12	HAINAULT ROAD NORTHBOUND
08:00:35	CAR	X			08:00:47	BILLET ROAD EXIT RIGHT
08:00:42	CAR	X			08:00:51	BILLET ROAD EXIT LEFT
08:00:44	MC		X		08:00:49	BILLET ROAD EXIT LEFT
08:01:10	PSV		X		08:02:25	BILLET ROAD EXIT LEFT
08:02:25	CAR	X			08:02:33	BILLET ROAD EXIT RIGHT
08:02:34	CAR	X			08:02:52	BILLET ROAD EXIT RIGHT
08:02:38	CAR	X			08:02:45	BILLET ROAD EXIT LEFT
08:02:39	CAR	X			08:02:47	BILLET ROAD EXIT LEFT
08:02:52	OGV2		X		08:03:14	HAINAULT ROAD SOUTHBOUND
08:03:04	LGV	X			08:03:16	BILLET ROAD EXIT RIGHT
08:03:09	CAR	X			08:04:24	HAINAULT ROAD SOUTHBOUND
08:03:20	CAR	X			08:04:23	BILLET ROAD EXIT RIGHT
08:03:21	CAR	X			08:04:26	BILLET ROAD EXIT RIGHT
08:03:35	CAR		X		08:03:38	HAINAULT ROAD NORTHBOUND
08:03:54	CAR		X		08:03:58	HAINAULT ROAD NORTHBOUND
08:03:58	CAR		X		08:04:08	HAINAULT ROAD NORTHBOUND
08:04:27	CAR	X			08:04:46	BILLET ROAD EXIT LEFT
08:04:36	LGV	X			08:04:54	BILLET ROAD EXIT RIGHT
08:05:29	CAR			X	08:06:21	HAINAULT ROAD SOUTHBOUND
08:05:29	CAR	X			08:06:23	BILLET ROAD EXIT LEFT
08:06:11	CAR	X			08:05:50	HAINAULT ROAD NORTHBOUND

08:06:14	CYCLE		X		08:06:16	HAINAULT ROAD ENTERING BILLET ROAD
08:06:29	LGV	X			08:06:51	HAINAULT ROAD SOUTHBOUND
08:06:31	CAR	X			08:06:47	BILLET ROAD EXIT LEFT
08:06:50	CAR	X			08:07:14	BILLET ROAD EXIT RIGHT
08:06:58	CAR	X			08:07:14	BILLET ROAD EXIT LEFT
08:07:17	LGV	X			08:08:21	BILLET ROAD EXIT LEFT
08:07:17	CAR	X			08:07:29	BILLET ROAD EXIT RIGHT
08:07:25	CAR		X		08:08:20	HAINAULT ROAD SOUTHBOUND
08:07:35	CAR	X			08:07:44	HAINAULT ROAD ENTERING BILLET ROAD
08:07:38	CAR	X			08:07:44	HAINAULT ROAD NORTHBOUND
08:07:54	CAR		X		08:08:02	HAINAULT ROAD NORTHBOUND
08:08:16	CAR	X			08:08:21	HAINAULT ROAD NORTHBOUND
08:08:31	CAR	X			08:08:39	HAINAULT ROAD ENTERING BILLET ROAD
08:09:01	CAR		X		08:10:31	BILLET ROAD EXIT LEFT
08:09:05	CAR		X		08:09:33	HAINAULT ROAD SOUTHBOUND
08:09:06	CAR		X		08:10:32	HAINAULT ROAD SOUTHBOUND, BLOCKS BILLET ROAD EXIT
08:10:20	CAR	X			08:10:30	HAINAULT ROAD NORTHBOUND
08:10:20	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:10:20	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:10:20	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:10:20	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:10:20	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:10:28	CAR		X			ENTERING HAINAULT ROAD, NEAR MISS WITH ABOVE
08:10:48	CAR	X			08:10:53	BILLET ROAD EXIT LEFT
08:10:58	CAR	X			08:11:19	BILLET ROAD EXIT LEFT
08:11:53	CAR		X		08:12:35	BILLET ROAD EXIT LEFT
08:11:51	LGV		X		08:12:34	HAINAULT ROAD SOUTHBOUND
08:12:40	CAR	X			08:12:48	BILLET ROAD EXIT RIGHT
08:12:41	CAR	X			08:12:48	BILLET ROAD EXIT LEFT
08:13:26	CAR			X	08:14:41	BILLET ROAD EXIT LEFT
08:12:35	CAR	X			08:14:43	BILLET ROAD EXIT LEFT

08:15:38	OGV2		X		08:16:38	HAINAULT ROAD SOUTHBOUND
08:16:51	CAR	X			08:16:57	BILLET ROAD EXIT RIGHT
08:17:10	CAR	X			08:17:24	BILLET ROAD EXIT RIGHT
08:17:15	CAR		X		08:17:24	BILLET ROAD EXIT LEFT
08:17:37	CAR	X			08:17:50	HAINAULT ROAD ENTERING BILLET ROAD
08:18:12	CAR		X		08:18:50	HAINAULT ROAD SOUTHBOUND
08:18:15	CAR	X			08:18:53	BILLET ROAD EXIT LEFT
08:18:57	CAR		X		08:19:08	HAINAULT ROAD SOUTHBOUND
08:19:03	CAR	X			08:19:22	BILLET ROAD EXIT RIGHT
08:19:11	CAR		X		08:19:22	BILLET ROAD EXIT LEFT
08:19:24	CAR		X		08:19:31	BILLET ROAD EXIT RIGHT
08:19:55	CAR		X		08:20:04	BILLET ROAD EXIT LEFT
08:19:56	CAR		X		08:20:06	HAINAULT ROAD SOUTHBOUND
08:19:59	PSV	X			08:21:03	BILLET ROAD EXIT LEFT
08:20:42	LGV	X			08:21:07	HAINAULT ROAD SOUTHBOUND
08:21:19	LGV		X		08:21:33	BILLET ROAD EXIT LEFT
08:21:41	CAR			X	08:22:18	BILLET ROAD EXIT LEFT
08:21:45	CAR		X		08:22:55	HAINAULT ROAD SOUTHBOUND, PARTIALLY BLOCKS BILLET ROAD EXIT
08:22:09	CAR	X			08:22:15	BILLET ROAD EXIT RIGHT
08:22:19	CAR		X		08:22:55	BILLET ROAD EXIT LEFT
08:22:24	CAR		X		08:22:53	HAINAULT ROAD SOUTHBOUND, BLOCKS BILLET ROAD EXIT
08:22:36	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:22:36	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:22:36	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:22:36	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:22:36	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:22:36	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:22:50	CAR	X			08:22:56	BILLET ROAD EXIT RIGHT
08:22:57	CAR	X			08:23:04	HAINAULT ROAD SOUTHBOUND, NEAR COLLISION WITH CAR COMING WRONG SIDE OF KEEP LEFT
08:23:08	CAR		X		08:23:13	HAINAULT ROAD SOUTHBOUND

08:23:22	CAR			X	08:23:28	BILLET ROAD EXIT LEFT
08:23:33	CAR	X			08:23:42	BILLET ROAD EXIT RIGHT
08:23:35	CAR	X			08:25:07	BILLET ROAD EXIT LEFT
08:23:41	LGV		X		08:25:14	HAINAULT ROAD SOUTHBOUND
08:23:41	CAR		X		08:24:14	HAINAULT ROAD SOUTHBOUND, DOUBLE UP
08:24:01	CAR		X		08:24:06	HAINAULT ROAD ENTERING BILLET ROAD
08:24:09	CAR	X			08:24:15	HAINAULT ROAD NORTHBOUND
08:25:14	CAR		X		08:25:28	BILLET ROAD EXIT LEFT, OVERTAKES CAR IN FRONT ON EXIT
08:25:12	CAR		X		08:25:45	HAINAULT ROAD SOUTHBOUND
08:25:23	CAR		X		08:25:33	BILLET ROAD EXIT LEFT
08:25:54	CAR		X		08:26:16	BILLET ROAD EXIT LEFT
08:26:05	LGV			X	08:26:11	HAINAULT ROAD SOUTHBOUND
08:26:07	CAR		X		08:26:21	HAINAULT ROAD NORTHBOUND
08:23:18	CAR		X		08:27:03	BILLET ROAD EXIT LEFT
08:27:09	CAR		X		08:27:26	BILLET ROAD EXIT LEFT
08:27:48	CAR		X		08:28:02	BILLET ROAD EXIT LEFT
08:28:02	CAR		X		08:29:09	BILLET ROAD EXIT LEFT
08:28:07	CAR			X	08:29:02	HAINAULT ROAD SOUTHBOUND
08:28:10	OGV1		X		08:29:06	HAINAULT ROAD SOUTHBOUND, BLOCKS BILLET ROAD EXIT
08:28:35	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:28:35	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:29:19	CAR			X	08:30:51	HAINAULT ROAD SOUTHBOUND
08:29:37	CAR		X		08:30:53	HAINAULT ROAD SOUTHBOUND, BLOCKS BILLET ROAD EXIT
08:29:37	CAR	X			08:30:55	HAINAULT ROAD SOUTHBOUND
08:29:37	CAR	X			08:30:56	BILLET ROAD EXIT LEFT
08:29:58	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:31:02	CAR	X			08:31:25	BILLET ROAD EXIT RIGHT
08:31:41	LGV	X			08:32:59	BILLET ROAD EXIT LEFT
08:31:44	CAR	X			08:33:09	HAINAULT ROAD SOUTHBOUND

08:33:03	CAR		X		08:33:15	HAINAULT ROAD SOUTHBOUND
08:33:40	OGV1		X		08:35:00	BILLET ROAD EXIT LEFT
08:33:45	CAR		X		08:35:03	HAINAULT ROAD SOUTHBOUND
08:34:21	LGV		X		08:35:06	BILLET ROAD EXIT LEFT
08:34:41	CAR	X			08:34:46	HAINAULT ROAD ENTERING BILLET ROAD
08:35:14	CAR	X			08:35:47	BILLET ROAD EXIT LEFT
08:35:19	LGV	X			08:36:00	HAINAULT ROAD SOUTHBOUND
08:35:29	CAR		X		08:35:54	BILLET ROAD EXIT LEFT
08:35:51	CAR	X			08:36:54	BILLET ROAD EXIT LEFT
08:35:55	CAR		X		08:36:53	HAINAULT ROAD SOUTHBOUND
08:35:55	CAR	X	X		08:36:58	HAINAULT ROAD SOUTHBOUND, BLOCKS BILLET ROAD EXIT
08:36:13	CAR	X			08:36:22	BILLET ROAD EXIT RIGHT, BLOCKED
08:37:05	CAR		X		08:37:30	BILLET ROAD EXIT LEFT
08:37:12	CAR		X		08:37:27	HAINAULT ROAD SOUTHBOUND
08:37:34	CAR		X		08:38:47	BILLET ROAD EXIT LEFT FROM RIGHT HAND LANE
08:37:36	CAR		X		08:38:45	BILLET ROAD EXIT LEFT
08:37:37	LGV	X			08:38:52	BILLET ROAD EXIT LEFT
08:37:37	CAR		X		08:38:50	HAINAULT ROAD SOUTHBOUND
08:39:09	CAR		X		08:39:23	HAINAULT ROAD SOUTHBOUND
08:39:09	LGV		X		08:40:17	BILLET ROAD EXIT LEFT
08:39:10	CAR		X		08:39:24	HAINAULT ROAD SOUTHBOUND
08:39:34	CAR		X		08:40:21	HAINAULT ROAD SOUTHBOUND, BLOCKS ENTRANCE
08:40:11	CAR		X		08:40:20	HAINAULT ROAD ENTERING BILLET ROAD, BLOCKED
08:40:14	CAR		X		08:40:20	BILLET ROAD EXIT RIGHT, BLOCKED
08:40:21	CAR	X			08:40:32	BILLET ROAD EXIT RIGHT
08:40:27	CAR		X		08:40:32	BILLET ROAD EXIT LEFT
08:40:40	LGV		X		08:41:59	BILLET ROAD EXIT LEFT
08:40:46	CAR			X	08:41:56	HAINAULT ROAD SOUTHBOUND
08:42:13	CAR			X	08:42:17	BILLET ROAD EXIT LEFT
08:42:14	CAR		X		08:42:21	HAINAULT ROAD SOUTHBOUND

08:42:16	LGV	X			08:42:26	BILLET ROAD EXIT LEFT
08:42:16	CAR	X			08:42:31	BILLET ROAD EXIT RIGHT
08:42:23	PSV		X		08:43:59	HAINAULT ROAD SOUTHBOUND
08:42:33	CAR		X		08:43:56	BILLET ROAD EXIT LEFT
08:43:58	CAR	X			08:45:25	BILLET ROAD EXIT RIGHT, BLOCKED
08:44:06	CAR		X		08:44:10	BILLET ROAD EXIT LEFT
08:44:06	OGV1		X		08:45:24	HAINAULT ROAD SOUTHBOUND, BLOCKS BILLET ROAD ENTRANCE AND EXIT
08:44:34	CAR		X		08:45:27	HAINAULT ROAD SOUTHBOUND, PULLS ALONGSIDE OGV1
08:45:41	CAR			X	08:46:13	HAINAULT ROAD SOUTHBOUND
08:45:41	CAR		X		08:46:19	HAINAULT ROAD SOUTHBOUND
08:45:43	CAR		X		08:46:15	BILLET ROAD EXIT LEFT
08:45:44	LGV					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:45:44	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:45:44	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:45:44	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:45:44	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:45:44	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:45:44	LGV					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:46:03	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:46:16	CAR		X		08:47:28	BILLET ROAD EXIT LEFT
08:46:32	CAR	X			08:47:30	HAINAULT ROAD SOUTHBOUND
08:47:36	LGV	X			08:47:53	BILLET ROAD EXIT RIGHT
08:47:54	CAR				08:48:00	HAINAULT ROAD SOUTHBOUND
08:48:01	CAR		X		08:48:22	BILLET ROAD EXIT LEFT
08:48:11	CAR			X	08:48:13	HAINAULT ROAD SOUTHBOUND
08:48:12	CAR	X			08:49:23	HAINAULT ROAD SOUTHBOUND
08:48:26	CAR		X		08:39:24	HAINAULT ROAD SOUTHBOUND, BLOCKS BILLET ROAD ENTRANCE AND EXIT
08:48:26	LGV				08:39:29	HAINAULT ROAD SOUTHBOUND
08:49:30	LGV		X		08:49:57	BILLET ROAD EXIT LEFT
08:49:33	LGV			X	08:49:39	HAINAULT ROAD SOUTHBOUND

08:49:36	CAR		X		08:49:59	HAINAULT ROAD SOUTHBOUND, BLOCKS BILLET ROAD EXIT
08:49:41	OGV1	X			08:51:15	HAINAULT ROAD SOUTHBOUND
08:50:09	PSV	X			08:51:28	BILLET ROAD EXIT LEFT
08:51:17	CAR		X		08:51:22	HAINAULT ROAD NORTHBOUND
08:51:32	CAR	X			08:51:40	BILLET ROAD EXIT LEFT
08:51:44	CAR	X			08:51:56	BILLET ROAD EXIT RIGHT
08:51:54	CAR			X	08:52:02	HAINAULT ROAD SOUTHBOUND
08:51:55	CAR		X		08:53:15	BILLET ROAD EXIT LEFT
08:51:56	CAR	X			08:53:20	BILLET ROAD EXIT LEFT
08:52:20	CAR		X		08:53:11	HAINAULT ROAD SOUTHBOUND, BLOCKS BILLET ROAD EXIT
08:52:10	CAR	X			08:52:29	BILLET ROAD EXIT RIGHT
08:53:13	CAR	X			08:53:24	HAINAULT ROAD SOUTHBOUND
08:53:32	CAR		X		08:55:10	HAINAULT ROAD SOUTHBOUND
08:53:33	LGV		X		08:55:13	HAINAULT ROAD SOUTHBOUND, BLOCKS BILLET ROAD ENTRANCE AND EXIT
08:53:43	CAR	X			08:53:43	BILLET ROAD EXIT RIGHT, BLOCKED
08:53:48	CAR	X			08:55:44	HAINAULT ROAD SOUTHBOUND
08:54:37	CAR	X			08:55:10	BILLET ROAD EXIT RIGHT, BLOCKED
08:55:27	CAR		X		08:55:46	HAINAULT ROAD SOUTHBOUND
08:55:28	CAR	X			08:49:50	BILLET ROAD EXIT LEFT
08:56:22	CAR			X	08:56:38	HAINAULT ROAD SOUTHBOUND
08:56:23	PSV		X		08:57:18	HAINAULT ROAD SOUTHBOUND, BLOCKS BILLET ROAD EXIT
08:56:23	CAR	X			08:57:22	BILLET ROAD EXIT LEFT
08:56:28	CAR	X			08:57:35	BILLET ROAD EXIT RIGHT, BLOCKED
08:57:31	LGV		X		08:58:29	HAINAULT ROAD SOUTHBOUND
08:57:38	CAR		X		08:58:27	BILLET ROAD EXIT LEFT
08:57:38	CAR	X			08:58:38	BILLET ROAD EXIT LEFT
08:57:33	CAR	X			08:59:19	BILLET ROAD EXIT LEFT
08:58:40	LGV			X	08:58:16	HAINAULT ROAD SOUTHBOUND
08:58:45	CAR		X		08:59:21	HAINAULT ROAD SOUTHBOUND, BLOCKS BILLET ROAD EXIT

08:58:45	CAR	X			08:59:03	BILLET ROAD EXIT RIGHT, BLOCKED
08:59:04	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:59:05	CAR					BILLET ROAD EXIT RIGHT, WRONG SIDE OF KEEP LEFT
08:59:23	CAR	X			08:59:30	BILLET ROAD EXIT LEFT
08:59:35	CAR		X		08:59:49	BILLET ROAD EXIT LEFT
09:00:00	CAR	X			09:01:22	BILLET ROAD EXIT LEFT
09:00:04	CAR			X	09:00:42	HAINAULT ROAD SOUTHBOUND
09:00:04	CAR		X		09:01:00	HAINAULT ROAD SOUTHBOUND, BLOCKS BILLET ROAD EXIT
09:00:08	CAR	X			09:00:29	BILLET ROAD EXIT RIGHT, BLOCKED
09:00:46	CAR	X			09:01:26	HAINAULT ROAD SOUTHBOUND
09:00:46	CAR	X			09:01:23	BILLET ROAD EXIT LEFT
09:01:07	CAR	X			09:01:26	BILLET ROAD EXIT LEFT
09:01:49	CAR	X			09:01:57	BILLET ROAD EXIT LEFT
09:01:49	LGV		X		09:02:01	HAINAULT ROAD SOUTHBOUND
09:02:11	CAR		X		09:03:19	HAINAULT ROAD SOUTHBOUND
09:02:12	CAR		X		09:03:23	HAINAULT ROAD SOUTHBOUND, BLOCKS BILLET ROAD EXIT
09:02:20	CAR	X			09:03:29	BILLET ROAD EXIT LEFT
09:02:35	CAR	X			09:02:44	BILLET ROAD EXIT RIGHT, BLOCKED
09:02:43	CAR	X			09:02:54	BILLET ROAD EXIT RIGHT, BLOCKED
09:03:10	CAR	X			09:03:29	BILLET ROAD EXIT RIGHT, BLOCKED
09:03:35	CAR	X			09:03:53	BILLET ROAD EXIT RIGHT
09:04:05	CAR		X		09:04:20	HAINAULT ROAD SOUTHBOUND
09:04:16	CAR	X			09:04:27	BILLET ROAD EXIT RIGHT
09:04:45	CAR		X		09:05:20	HAINAULT ROAD SOUTHBOUND
09:04:50	CAR	X			09:05:23	BILLET ROAD EXIT LEFT
09:05:39	CAR			X	09:05:56	HAINAULT ROAD SOUTHBOUND
09:05:40	CAR		X		09:05:58	BILLET ROAD EXIT LEFT
09:06:10	CAR		X		09:07:09	HAINAULT ROAD SOUTHBOUND
09:06:11	LGV		X		09:07:11	HAINAULT ROAD SOUTHBOUND, BLOCKS BILLET ROAD EXIT
09:07:01	CAR	X			09:07:05	BILLET ROAD EXIT RIGHT, BLOCKED

09:07:22	CAR			X	09:08:53	HAINAULT ROAD SOUTHBOUND
09:07:25	CAR		X		09:08:54	BILLET ROAD EXIT LEFT
09:07:28	CAR		X		09:08:56	HAINAULT ROAD SOUTHBOUND, BLOCKS BILLET ROAD EXIT
09:07:41	CAR	X			09:08:07	BILLET ROAD EXIT RIGHT, BLOCKED
09:07:30	CAR	X			09:07:39	BILLET ROAD EXIT RIGHT, BLOCKED, NEAR MISS WITH CAR ENTERING BILLET ROAD
09:09:21	CAR	X			09:10:19	HAINAULT ROAD SOUTHBOUND
09:09:23	CAR		X		09:10:21	HAINAULT ROAD SOUTHBOUND
09:10:27	CAR	X			09:10:55	BILLET ROAD EXIT LEFT
09:10:40	CAR		X		09:10:51	HAINAULT ROAD SOUTHBOUND
09:11:01	CAR		X		09:12:12	BILLET ROAD EXIT LEFT
09:10:57	CAR	X			09:12:14	HAINAULT ROAD SOUTHBOUND
09:12:23	CAR	X			09:12:31	BILLET ROAD EXIT RIGHT
09:12:38	CAR		X		09:12:45	BILLET ROAD EXIT RIGHT
09:12:41	CAR		X		09:12:58	HAINAULT ROAD SOUTHBOUND
09:12:43	CAR		X		09:13:00	HAINAULT ROAD SOUTHBOUND, BLOCKS ENTRANCE
09:12:53	CAR	X			09:13:16	HAINAULT ROAD SOUTHBOUND
09:13:43	OGV2		X		09:14:03	HAINAULT ROAD SOUTHBOUND, BLOCKS BILLET ROAD ENTRANCE AND EXIT
09:13:56	LGV		X		09:14:04	HAINAULT ROAD ENTERING BILLET ROAD, BLOCKED
09:14:25	CAR			X	09:15:36	HAINAULT ROAD SOUTHBOUND
09:14:26	CAR		X		09:15:37	HAINAULT ROAD SOUTHBOUND
09:14:32	CAR	X			09:15:39	BILLET ROAD EXIT LEFT
09:16:05	CAR	X			09:16:15	HAINAULT ROAD SOUTHBOUND
09:16:29	CAR		X		09:17:37	HAINAULT ROAD SOUTHBOUND
09:17:34	LGV		X		09:17:40	HAINAULT ROAD SOUTHBOUND
09:17:48	CAR		X		09:17:53	HAINAULT ROAD SOUTHBOUND
09:17:56	CAR	X			09:18:04	HAINAULT ROAD SOUTHBOUND
09:18:27	CAR		X		09:19:15	HAINAULT ROAD SOUTHBOUND
09:19:46	CAR	X			09:19:54	HAINAULT ROAD ENTERING BILLET ROAD
09:20:29	LGV		X		09:21:05	HAINAULT ROAD SOUTHBOUND
09:21:08	CAR	X			09:21:29	BILLET ROAD EXIT LEFT

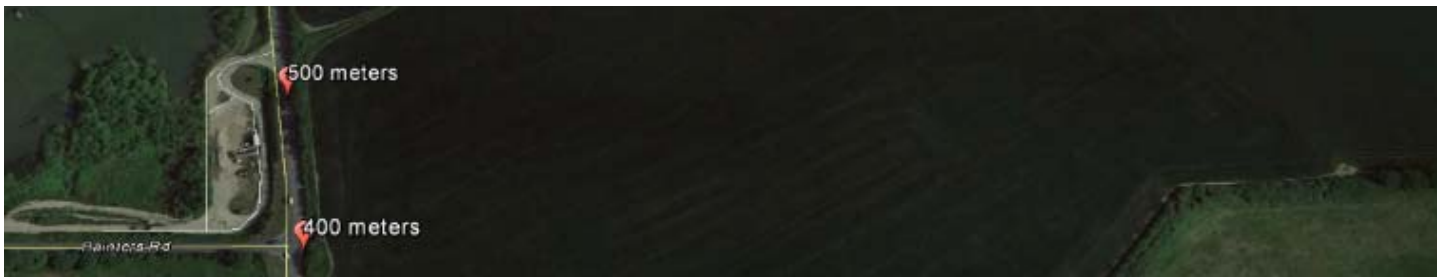
09:21:17	CAR	X			09:21:28	BILLET ROAD EXIT RIGHT
09:21:58	LGV		X		09:22:49	HAINAULT ROAD SOUTHBOUND
09:23:07	LGV	X			09:23:17	BILLET ROAD EXIT RIGHT
09:23:34	CAR		X		09:24:44	HAINAULT ROAD SOUTHBOUND
09:23:37	CAR		X		09:24:45	HAINAULT ROAD SOUTHBOUND
09:24:51	CAR		X		09:25:35	BILLET ROAD EXIT LEFT
09:25:03	LGV	X			09:26:23	HAINAULT ROAD SOUTHBOUND
09:25:26	CAR		X		09:05:56	U TURN IN HAINAULT ROAD BLOCKS BILLET ROAD EXIT
09:25:46	CAR	X			09:26:18	BILLET ROAD EXIT LEFT
09:26:42	CAR		X		09:26:54	HAINAULT ROAD SOUTHBOUND, BLOCKS BILLET ROAD ENTRANCE AND EXIT
09:27:10	CAR				09:28:04	HAINAULT ROAD SOUTHBOUND
09:29:10	PSV		X		09:30:24	BILLET ROAD EXIT LEFT

The amount of traffic using the junction of Billet Road-Hainault road has increased significantly over the years, as with most rat-runs drivers are trying to avoid the main arterial roads. The A12 junction has now been up-dated to the smarter roads network, traffic lights are computer controlled to monitor traffic flow at peak times, as the main flow fluctuates, the inter-green time is adjusted to maximise the movement through the lights for the main road, this has a knock on effect causing the minor roads to have elongated red times creating slow moving traffic, creating more pollution from stationary vehicles.

Drivers try to find an alternative route, which pushes the problem into another area. We have shown the increase of vehicles that now use Painters Road and Aldborough Road North, again a large number of vehicles that are slow moving-stationary alongside a major Primary School.

The amount of vehicles traveling south on Hainault Road is not limited to weekday rush hour, most Saturdays and Sundays traffic is seen queuing past Painters Road. In turn this has the knock on effect for vehicles traveling west along Billet Road.

The road network can be likened to a library, you get more books, more shelves are bought, more books, more shelves, unfortunately in this area there is no room for any more bookshelves. The traffic on Billet Road consistently tails back more than 500 meters, and on Hainault Road more than 700 meters. TFL have already stated with the Five Oaks Lane development the existing

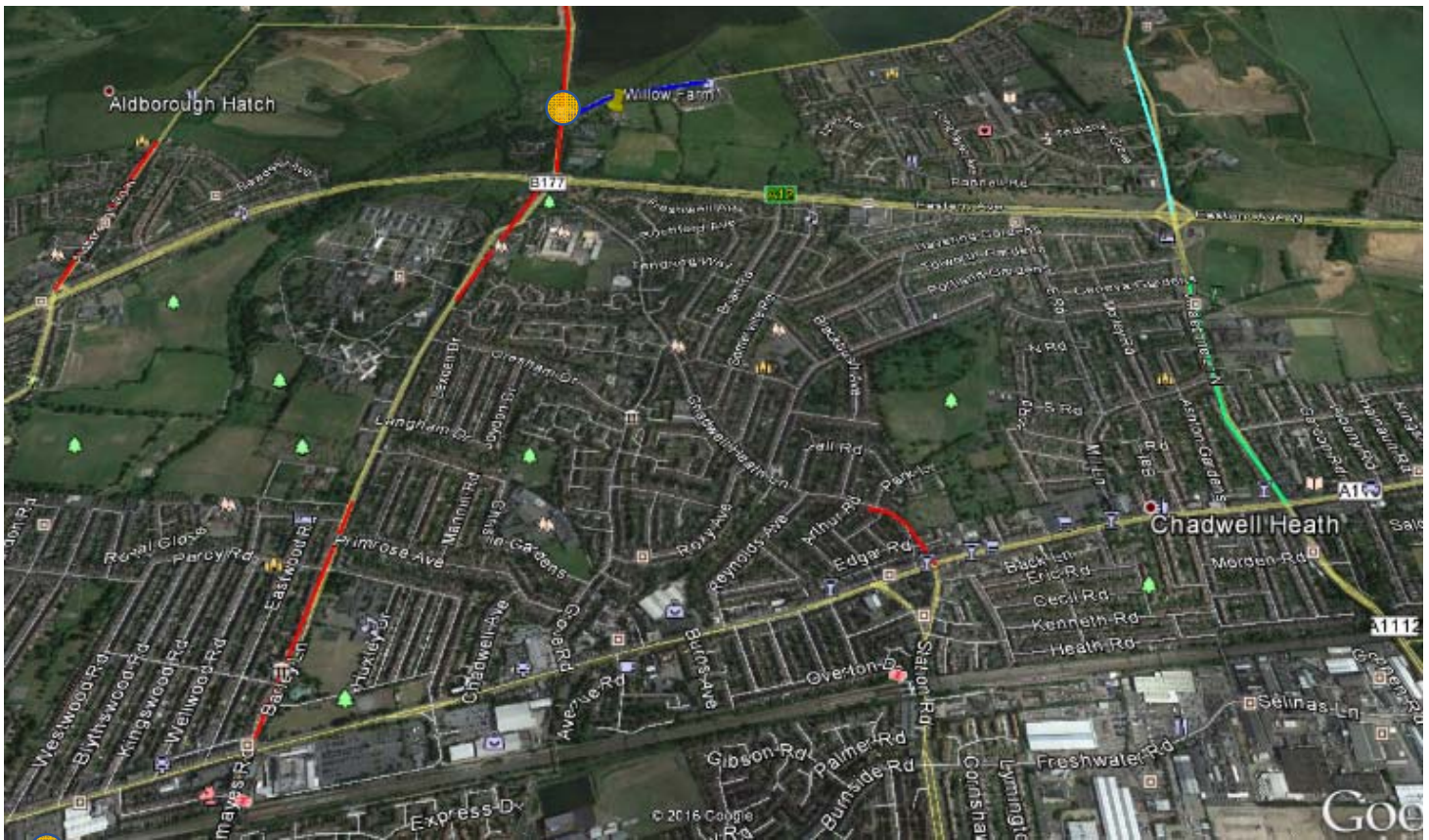




journey time Hainault road 500 meters +/-

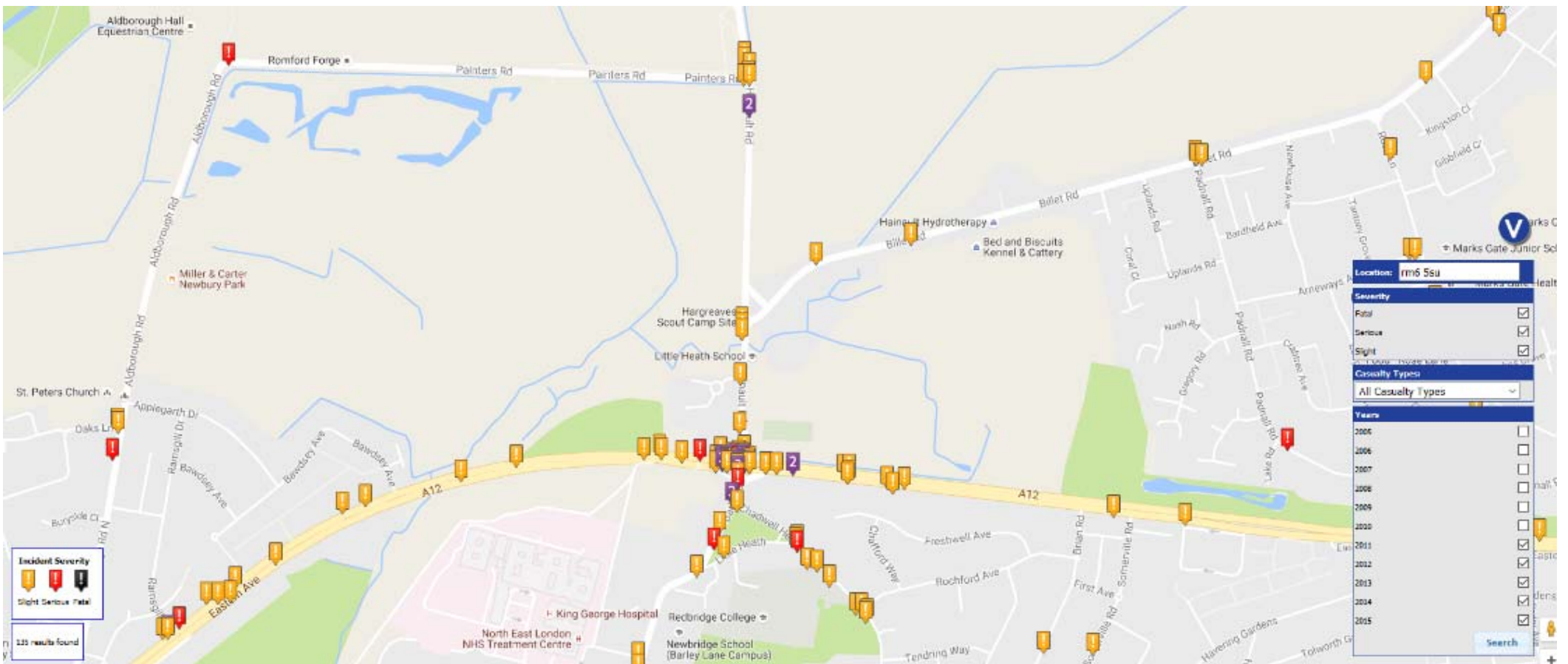
from back of queue	07:49:10	across A12	07:59:20	10 minutes	20 seconds
from back of queue	08:05:45	across A12	08:13:59	8 minutes	20 seconds
from back of queue	08:37:05	across A12	08:49:53	12 minutes	14 seconds





The mini-round-about at Billet Road is a source of contention at the best of times. traffic emerging from Billet Road cannot be seen by Southbound Hainault Road traffic, this causes conflict, and many minor accidents. The delays and congestion at this junction means that drivers detour to Aldborough Road North, the morning rush hour traffic mixing with the 'School Run' on Aldborough Road North creates a potential high level accident spot. Queuing Traffic is regularly queuing back to St Peters Church.

Queuing traffic on Hainault Road regularly tails back past Painters Road, even on a Saturday or Sunday



Having a full size version of the crash map shows the number of crashes in and around the development area, without having strategically placed 'key boxes'. This does not include minor bumps, or crashes that were not reported to the police, so the actual number of accidents shown should be higher.

planning report PDU/261a/01

13 July 2011

Land at Five Oaks Lane, Chigwell

in the London Borough of Redbridge

planning application no.0604/11

Strategic planning application stage 1 referral (new powers)

Town & Country Planning Act 1990 (as amended); Greater London Authority Acts 1999 and 2007; Town & Country Planning (Mayor of London) Order 2008

The proposal

A detailed application for comprehensive redevelopment comprising the erection of 425 dwellings, a community/indoor leisure centre, a local convenience shop, the provision of outdoor playing area and other open space; with associated highways, landscaping and infrastructure.

The applicant

The applicant is **Five Oaks Land Ltd** and the architect is **Broadway Malyan**.

Strategic issues

The site is located entirely within the **Green Belt** and is largely occupied by longstanding but non-conforming developments. The application seeks to rationalise the existing form of development, re-establish planning control through an enabling **residential development** and restore the **open character** and **appearance** of a substantial proportion of the site. Other considerations include the **density, mix** and **quality** of the homes; the level, **tenure** and **mix** of **affordable housing**; **children's play space**; **urban design**; **Inclusive access, transport/parking, energy, climate change issues** and **biodiversity**.

Recommendation

That Redbridge Council be advised that the application does not comply with the London Plan, for the reasons set out in paragraph 108 of this report; but that the possible remedies set out in paragraph 110 of this report could address these deficiencies.

Context

1 On 6 June 2011, the Mayor of London received documents from Redbridge Council notifying him of a planning application of potential strategic importance to develop the above site for the above uses. Under the provisions of The Town & Country Planning (Mayor of London) Order 2008 the Mayor has until 15 July 2011 to provide the Council with a statement setting out whether he considers that the application complies with the London Plan, and his reasons for taking that view. The Mayor may also provide other comments. This report sets out information for the Mayor's use in deciding what decision to make.

Below section from Planning report PDU/261a/01 13 July 2011 Five Oaks Lane, Key comment is that this development will have an adverse effect on the surrounding road network!! Section 68

Modelling results contained in the TA suggest that this development will have an adverse impact on the A1112 Romford Road/Fowler Road, A1112 Romford Road/ B174 Romford Road/ A1112 Whalebone Lane north and Five Oaks Lane/ A1112 Romford Road junctions. TfL therefore strongly requires that the applicant reduces the overall parking spaces below TfL's maximum standards to limit the development's adverse impact on the local highway network. Additionally, TfL encourages Redbridge Council to identify and secure appropriate contributions towards mitigating the impact on the highway network.

This should be done through s106 or s278 agreement.

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