



13th April, 2021

Dear Mr. Firmin,

Planning Application Number: 21/0573/FUL

Before you give your recommendation to TRDC's Planning Officer regarding the aforementioned development we would like to draw your attention to the following, as we believe these significant issues were not previously raised hence you remain unaware of them.

The developer has now **confirmed in writing to the Planning Dept.** that the number of vehicles is far greater than ever thought before and we have charted the vehicles accordingly.

In terms of the actual numbers of vehicles entering and leaving the site, this is as follows;

– TRAFFIC and TRIPS for the warehouse development/s.

Predicted Traffic Flows for 2 warehouses by hour of day based on vehicles and trips

Hourly segments	DAILY VEHICLE NUMBERS			DAILY VEHICLE TRIPS			WEEKLY VEHICLE NUMBERS			WEEKLY VEHICLE TRIPS			ANNUAL VEHICLE NUMBERS			ANNUAL VEHICLE TRIPS		
	HGVs visiting site	LGVs and LVs visiting site	TOTAL HGVs + LGV's + LV's	HGVs visiting site	LGVs and LVs visiting site	TOTAL HGVs + LGV's + LV's	HGVs visiting site	LGVs and LVs visiting site	TOTAL HGVs + LGV's + LV's	HGVs visiting site	LGVs and LVs visiting site	TOTAL HGVs + LGV's + LV's	HGVs visiting site	LGVs and LVs visiting site	TOTAL HGVs + LGV's + LV's	HGVs visiting site	LGVs and LVs visiting site	TOTAL HGVs + LGV's + LV's
midnight-1am	6	20	26	12	40	52	42	140	182	84	280	364	2184	7280	9464	4368	14560	18928
1am-2am	6	22	28	12	44	56	42	154	196	84	308	392	2184	8008	10192	4368	16016	20384
2am-3am	4	10	14	8	20	28	28	70	98	56	140	196	1456	3640	5096	2912	7280	10192
3am-4am	6	20	26	12	40	52	42	140	182	84	280	364	2184	7280	9464	4368	14560	18928
4am-5am	4	16	20	8	32	40	28	112	140	56	224	280	1456	5824	7280	2912	11648	14560
5am-6am	4	14	18	8	28	36	28	98	126	56	196	252	1456	5096	6552	2912	10192	13104
6am-7am	6	20	26	12	40	52	42	140	182	84	280	364	2184	7280	9464	4368	14560	18928
7am-8am	6	38	44	12	76	88	42	266	308	84	532	616	2184	13832	16016	4368	27664	32032
8am-9am	10	114	124	20	228	248	70	798	868	140	1596	1736	3640	41496	45136	7280	82992	90272
9am-10am	0	42	42	0	84	84	0	294	294	0	588	588	0	15288	15288	0	30576	30576
10am-11am	24	34	58	48	68	116	188	238	406	336	476	812	8736	12376	21112	17472	24752	42224
11am-midday	0	38	38	0	76	76	0	266	266	0	532	532	0	13832	13832	0	27664	27664
midday-1pm	0	28	28	0	56	56	0	196	196	0	392	392	0	10192	10192	0	20384	20384
1pm-2pm	0	76	76	0	152	152	0	532	532	0	1064	1064	0	27664	27664	0	55328	55328
2pm-3pm	6	38	44	12	76	88	42	266	308	84	532	616	2184	13832	16016	4368	27664	32032
3pm-4pm	20	14	34	40	28	68	140	98	238	280	196	476	7280	5096	12376	14560	10192	24752
4pm-5pm	6	34	40	12	68	80	42	238	280	84	476	560	2184	12376	14560	4368	24752	29120
5pm-6pm	6	108	114	12	216	228	42	756	798	84	1512	1596	2184	39312	41496	4368	78624	82992
6pm-7pm	7	72	79	14	144	158	49	504	553	98	1008	1106	2548	26208	28756	5096	52416	57512
7pm-8pm	4	10	14	8	20	28	28	70	98	56	140	196	1456	3640	5096	2912	7280	10192
8pm-9pm	4	6	10	8	12	20	28	42	70	56	84	140	1456	2184	3640	2912	4368	7280
9pm-10pm	4	10	14	8	20	28	28	70	98	56	140	196	1456	3640	5096	2912	7280	10192
10pm-11pm	4	10	14	8	20	28	28	70	98	56	140	196	1456	3640	5096	2912	7280	10192
11pm-midnight	4	10	14	8	20	28	28	70	98	56	140	196	1456	3640	5096	2912	7280	10192
Total x vehicle type	141	804	945	282	1608	1890	987	5628	6615	1974	11256	13230	51324	292656	343980	102648	4368	687960

These data have been derived by taking the Planning Noise Assessment Report 19/0333/R2 presented by Cole Jarman in the TRDC Planning website and summarising the data shown in the appendix on predicted traffic flows.

Since the bulk of these vehicles will be vans it is of importance to recognise that according to the Dept. of Transport **'96% are powered by diesel'** leaving 0.3% ultra low carbon.

Whilst the governed exhaust emissions are **4.5 milligrams** per km the non legislated pollution arising from brake, tyre and road surface wear is **5.8 grams** per km – brand new hatchback with correctly loaded tyres.

It is of utmost importance that it is recognised that these vehicles will not just be passing through our area like the majority of traffic but will be coming into Maple Cross itself. Hence **1608** daily van trips in and out of our area will amount to a substantial level of pollution that no one should ignore. Of course the heavier the vehicle the greater this unlegislated pollution becomes, so the **282** daily HGV's need to be added to this burden. Whilst the developer declares that the majority of vehicles will go to the



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M25 in reality the majority could go through Maple Cross to the A40 and London due to the close proximity. It is a speculative development with an unknown tenant.

The landmark ruling that air pollution was a cause of death of the nine year old Ella Adoo-Kissi-Debrah, should make everyone take note that: children breathe more rapidly than adults therefore absorb more pollutants, they are closer to the ground, where some pollutants reach their peak concentrations. Toxic air pollution is a public health crisis and is now recognised as directly causing harm to children's physical and mental development.

Both the Reach Free and the Maple Cross Junior school children will be put in the path of this extra volume of traffic/pollution, are you able to model the levels of pollution that they will be breathing in on a daily basis? Since pollution of course doesn't stay put, this will also affect them in their playgrounds, gardens, in the park, all of their daily lives will be affected. How does this specific development sit within Herts CC's demand for children to have 'healthier, safer, greener journeys to school'?

HS2 has recorded exceedances in PM10 but 'HS2 investigated and found themselves blame free'. Meantime downwind of them we have received exceedances in PM2.5 which goes unmonitored by HS2.

Does the massive increase in pollution go unaddressed when a project of this magnitude, with a proposed B2 Class specifically unsuited to residential, gets placed next to a residential area that is highly populated with young families?

As you are Maple Cross's Environmental Protection Officer, I ask you please, to examine it thoroughly as our residents health clearly lies in your hands.

Thank you for your time.

Yours sincerely,

[Redacted signature]

Maple Cross & West Hyde Residents Association

[Redacted contact information]