

APPENDIX TO OWSLEBURY STATEMENT

## Owslebury Traffic Surveys & EBC Plan Modelling

### Core Data

	4 day Average April 2017	1 day Snapshot April 2018	1 day Snapshot October 2019	EBC Plan Modelling *	Uplift vs Oct 2019
<b>Total Vehicles 12hrs 7am-7pm</b>			1,551	2,780	79%
Single Direction Vehicles 2hrs 7-9am	440	515	513	919	79%
Single Direction Vehicles 2hrs 4:30pm-6:30pm	330	293	343	615	79%
Single Direction Vehicles 12hrs 7am-7pm			1,174	2,104	79%
<b>Peak Single Direction Flow (Vehicles/hr~) - Morning</b>	<b>371</b>	<b>444</b>	<b>492</b>	<b>882</b>	<b>79%</b>
<i>(Vehicles/minute~)</i>	6.2	7.4	8.2	14.7	79%
Peak Single Direction Flow (Vehicles/hr~) - Afternoon	254	252	240	430	79%
<i>(Vehicles/minute~)</i>	4.2	4.2	4.0	7.2	79%
Peak 1hr Morning Slot	07:30-08:30	07:20-08:20	07:30-08:30	07:30-08:30	
Total Vehicles Peak 1hr Morning Slot	313	357	377	676	79%
<b>Peak 1hr Morning Vehicles as % of Total 12hr Vehicles</b>			<b>24%</b>	<b>24%</b>	<b>0%</b>
Peak 1hr Afternoon Slot	17:00-18:00	16:50-17:50	16:50-17:50	16:50-17:50	
Total Vehicles Peak 1hr Afternoon Slot	225	218	242	434	79%

% Opposite Direction vehicles @ Peak Morning
% Single Direction vehicles @ Peak Morning

3%	4%	5%
97%	96%	95%

5%	0%
95%	0%

~ Average over a 10 minute segment

\* Using EBC's 1,229 extra vehicle movements 7am-7pm

## Owslebury Traffic Surveys & EBC Plan Modelling

### Supplementary Data

	4 day Average April 2017	1 day Snapshot April 2018	1 day Snapshot October 2019	EBC Plan Modelling *	Uplift vs Oct 2019
Total Vehicles 2hrs 7-9am	508	574	568	1,018	79%
Total Vehicles 2hrs 4:30pm-6:30pm	395	362	401	719	79%
Peak Total Flow (Vehicles/hr~) - Morning	383	462	516	925	79%
<i>(Vehicles/minute~)</i>	6.4	7.7	8.6	15.4	79%
Peak Total Flow (Vehicles/hr~) - Afternoon	283	318	270	484	79%
<i>(Vehicles/minute~)</i>	4.7	5.3	4.5	8.1	79%
Peak Opposite Direction Flow (Vehicles/hr~) - Morning	12	18	24	43	79%
<i>(Vehicles/minute~)</i>	0.2	0.3	0.4	0.7	79%
Peak Opposite Direction Flow (Vehicles/hr~) - Afternoon	29	66	30	54	79%
<i>(Vehicles/minute~)</i>	0.5	1.1	0.5	0.9	79%
Opposite Direction Vehicles 2hrs 7-9am	68	59	55	99	79%
Opposite Direction Vehicles 2hrs 4:30pm-6:30pm	65	69	58	104	79%

~ Average over a 10 minute segment

\* Using EBC's 1,229 extra vehicle movements 7am-7pm

**Methodological Note:**

3 traffic surveys were conducted in Owslebury:

- April 2017 – Morning and afternoon rush hours over 4 days (averaged)
- April 2018 - Morning and afternoon rush hour 1 day snapshot
- October 2019 – 12 hours 7am-7pm 1 day snapshot

To collect the data, a car was parked with a dashcam running. The video was then played back (@ x8 speed) and vehicles counted in 10 minute segments, including their direction of travel.

From those 10 minute segment totals, average flow-rate for that 10 minutes was then generated (grossed-up to vehicles/hour, and netted-down to vehicles/minute).

Statistical similarity between the 4 days of the 2017 survey, and between the 3 surveys of 2017/18/19, is evidence of the robustness of the data generation.