

D R A F T report – EPC Traffic Committee 29/11/23.

Agenda item 5

Evaluation of Speed reduction Project. 20,30,40mph

Mid-October 2022, the speed reduction within Eynsham (20mph) and bordering B4449 roads (30 & 40mph) was completed.

Evaluation of speeds was carried out 12 months later (October 2023) via road surface tubes. Data collected in 2016 showed that over half of the sites surveyed around the village (9/15) were showing average speeds of 25mph or less. To save costs, in October 2023, data was only collected at the 'fastest 6' 2016 sites. 85% of traffic using these roads over a 7 days period showed reduced speed as follows:

Sites 1. Witney Rd South of OWR: 85% reduced 6.5mph.

Average speed 2016 / 2023: 27.15 / 22.0 mph

Site 2: Witney Rd North of Clover Place: 85% of driver reduced speed by 5.25mph.

Average speed 2016 / 2023 26.1/21.6mph

Sites 3. Station Rd South of Swan St: 85% of driver reduced speed by 3.25mph

Average speed 2016 /2023 27.5/24.7

Site 4. Oxford Rd East of Queens: 85% of driver reduced speed by 1.75mph

Average speed 2016: 2023 28.8/26.6

Site 5 Hanborough Rd South of Hanborough Close: 85% of driver reduced speed by 5.25mph

Average speed 2016: 2023 29.3/24.5

Site 6: Hanborough Rd West of Dovehouse Close: 85% of driver reduced speed by 5.5mph

Average speed 2016: 2023 26.1/21.6

The average driver in the village over the past 12 months would not get a speeding ticket (25mph or over), with the exception of those driving in the Oxford Rd (26.6 mph) and Hanborough Rd (27.9mph) area nearest the B4449.

The 2016/2023 data comparison also shows a village wide drop in the average daily vehicle flow. The table below is over a 7(M-S) day period.

Site	M - S 2016	M - S 2023	
1. Witney Rd/OWR	3548	3489	59
2. Witney Rd	3410	3284	126
3. Station Rd	2311	2213	98
4. Oxford Rd	2812	2205	607 (?)
5. Hanborough Rd	3208	3040	168

B4449

The baseline data for the B4449 was collected in 2021. Three sites were measured with road surface tubes prior to the speed being dropped from 50mph to 40mph In October 2022.

Mean and 85th ile changes between 2021 and 2023 over 5- and 7-day periods.

	2021 Site Ref.	2023 Site ref.	5day 2021 2023	5day 2021 2023	Mean 85 th ile	7day 2021 2023	7day 2021 2023	Mean 85 th ile
			Mean	85 th ile	difference	Mean	85 th ile	difference
N'lands- H'borough Rd	1	7	38.75 35.8	44.89 41.7	2.95mph 3.19mph	39.05 37.7	45.01 41.8	1.35mph 3.21mph
Oxford- N'lands Rd	2	8	40.22 37.2	45.54 43.4	3.02mph 2.14mph	40.38 36.8	45.69 43.4	3.58 mph 2.29 mph
Station – Oxford Rd	3	9	41.41 42.0	47.31 48.0	-0.59mph -0.69	41.72 42.3	47.72 48.8	-0.58 mph -1.08 mph

B4449 Average Daily Vehicle Flow East & West Nov 2021 vs Oct 2023. 7 day

B4449	2021	2023	2021 2023	Difference	2021 2023	Difference
	Site ref	Site ref	M-F	M-F	M-S	M-S
H'borough Rd - N'lands-	1	7	16260 12020	4240	14275 11891	2384
Oxford - N'lands Rd	2	8	19326 11405	7921	16346 11396	4950
Station – Oxford Rd	3	9	8442 4745	3697	6732 4860	1872

2021 data source: https://eynsham-pc.gov.uk/variable/organisation/877/attachments/OCC_TrafficSurveyB4449_SpeedSummaryTwoWay_8Nov2021.pdf

2023 data source:

Speeds have reduced on the B4449 except on the Station - Oxford Rd section.

I'm surprise the reports are showing a drop in vehicle flow both in the village and on the B4449. I have to check with OCC that the data we have is appropriate for vehicle flow comparisons.

Tricia Crowley 28/11/23