

Cambridgeshire Active Travel

Monitoring brief for Bassingbourn

- This document presents the key summary of the traffic monitoring results
- Surveys undertaken in w/c 25th April 2022 for majority of schemes
- The 1st round of 2023 surveys were undertaken in w/c 18th April 2023. Note that this was outside of University term time, but within School term time.
- The 2nd round of 2023 surveys were undertaken in w/c 3rd October 2023. This is within University and School term times
- Other monitoring measures have been undertaken, which are reported separately. These include:
- Road safety Reviews post installation to identify any safety-related elements

Cambridgeshire Active Travel

Monitoring Results: S01 Bassingbourn

Overall Comments

Key observations from survey data

Designer's comments

Changes in October

There are decreases in speeds across most sites in all peaks, except South End where a minor increase is recorded

Site 8 shows the most reduction, which is where the new chicane has been installed by the cemetery. Average speed remains above 20mph.

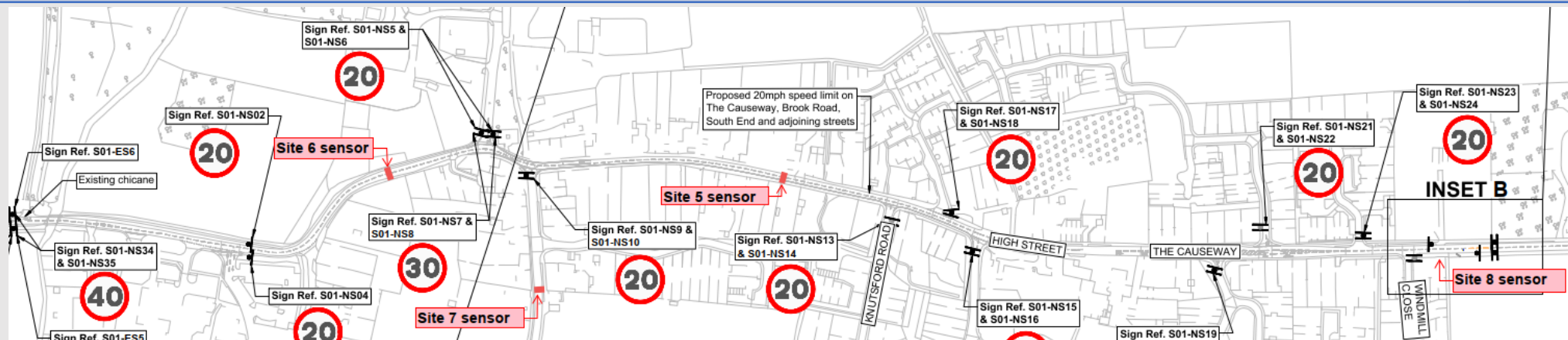
Brook Road (site 6) and The Causeway (site 8) are still above the new 20mph speed limit across all peaks

Brook Road is reliant on existing road geometry and the new 40mph section on Bassingbourn Road. Further reductions for both locations only likely to be possible if further physical measures or enforcement are introduced.

In October 2023 site 6 has decreased further but still above 20mph across all peaks

South End Sensor (site 7) shows marginal increase in speeds compared to baseline, but is still below the new 20mph speed limit

The speed was measured at a point away from the new chicane by the school. Therefore this is not considered to be as a result of the proposed scheme and instead, general fluctuation of driver speeds using this road. Could also be a reflection of a difference in level of on-road parking between the two monitoring periods, but this is not able to be confirmed by the data.



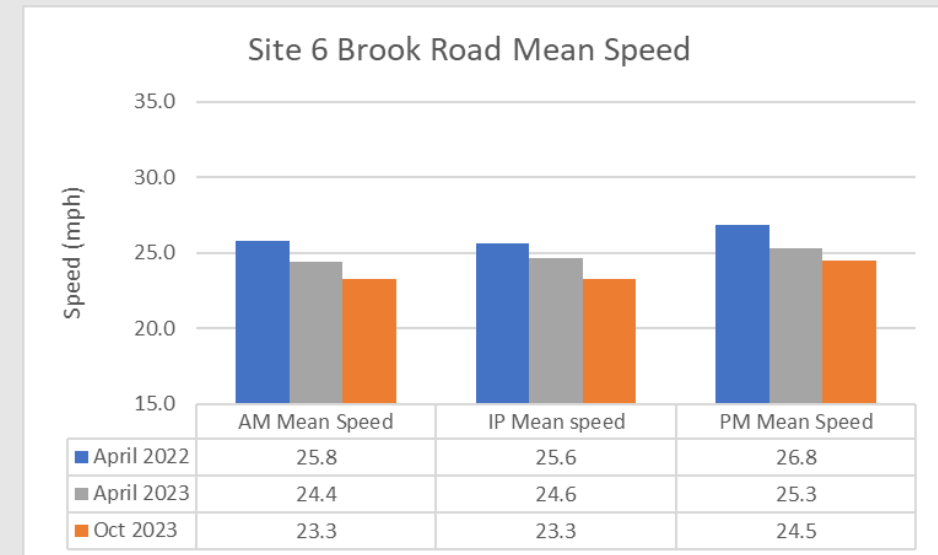
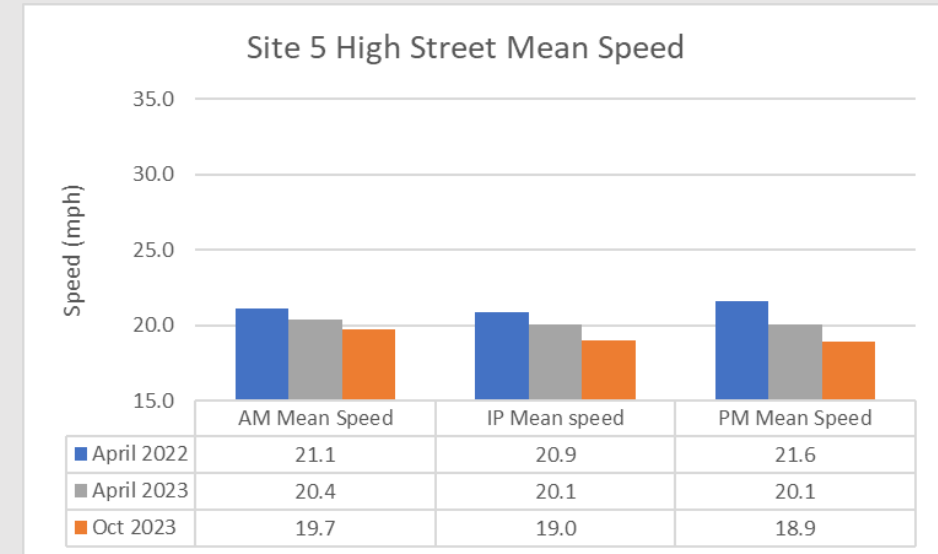
April 2022 to October 2023

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Monitoring Results: S01 Bassingbourn

1. Impact on Traffic – Speeds

- A 20mph speed limit has been introduced as part of the scheme at these four sites. The interpeak period is between 10am-4pm.
- High Street (Site 5):** In April 2023 the AM peak decreases by 3% which corresponds to a 0.7mph decrease, the interpeak decreases by 4% which corresponds to a 0.9mph decrease and the PM decreases by 7% which corresponds to a 1.5mph decrease.
- In October 2023 the AM peak decreases by 7% which corresponds to a 1.4mph decrease, the interpeak decreases by 9% which corresponds to a 1.9mph decrease and the PM decreases by 12% which corresponds to a 2.7mph decrease.
- Brook Road (Site 6):** In April 2023 the mean speed in the AM decreases by 5%, the interpeak decreases by 4% and the PM decreases by 6%. These correspond to decreases of 1.3mph, 1.0mph and 1.5mph respectively. Across all peaks the direction from Bassingbourn Road to North End experiences a greater decrease of 0.4mph (on average) than the opposite direction.
- In October 2023 the mean speed in the AM decreases by 10%, the interpeak decreases by 9% and the PM decreases by 9%. These correspond to decreases of 2.5mph, 2.3mph and 2.3mph respectively. Across all peaks the direction from Bassingbourn Road to North End experiences a greater decrease of 1.4mph (on average) than the opposite direction.



Cambridgeshire Active Travel

Monitoring Results: S01 Bassingbourn

1. Impact on Traffic – Speeds

- A 20mph speed limit has been introduced as part of the scheme at these four sites. The interpeak period is between 10am-4pm.
- South End (Site 7):** In April 2023 the mean speeds in the AM and interpeak increase by 8% and 11% respectively, whilst the PM increases by 1%. These corresponds to increases of 1.3mph in the AM and 1.8mph in the interpeak and increase of 0.1mph in the PM.
- In October 2023 the mean speed in the AM increases by 4%, the interpeak increases by 6% and the PM increases by 1%. These correspond to increases of 0.7mph, 0.9mph and 0.1mph respectively. Note that the speeds pre implementation were already lower than the posted limit of 30mph, between 16mph and 18mph.
- The Causeway (Site 8):** There is a greater decrease in the average speeds in all peaks at this site, compared to the other sites. In April 2023 the mean speed decreases by 13% in the AM, 12% in the interpeak and 13% in the PM. This equates to decreases of 4.1mph in both AM and PM, and decrease of 3.9mph in the interpeak. Across all peaks the direction from Windmill Close to Elbourn Way experiences a greater decrease of 1.6mph (on average) than the opposite direction.
- In October 2023 the mean speed decreases by 13% in the AM, 11% in the interpeak and 14% in the PM. This equates to decrease of 4.0mph in the AM, decrease of 3.4mph in the interpeak and decrease of 4.3mph in the PM. Across all peaks the direction from Windmill Close to Elbourn Way experiences a greater decrease of 0.6mph (on average) than the opposite direction.

