

ATC SUMMARY REPORT – Aymestrey Village – Sep / Nov 2024

Project	Aymestrey Village, Herefordshire
Start Date	Thurs 5 Sept, 2024
End Date	Weds 11 Sept, 2024
Speed Limit	30mph
Survey Type	7-day ATC

Overview

Following recent resurfacing and the implementation of a traffic calming road marking scheme in Aymestrey, three 7-day automatic traffic counts will be conducted throughout the area, starting on Thursday, 5 September 2024. All survey locations are within the 30-mph speed limit restriction and the village has undergone various engineering interventions to enhance the village environment. These measures include the removal of centrelines, the addition of edge-of-carriageway markings, and roundels. The data collected from this initial survey will provide insights into motorist's response to the newly implemented traffic calming measures. To assess the longer-term effectiveness of these interventions, further data collection is planned at six-month and twelve-month intervals post-implementation. These assessments aim to monitor and ensure the sustained impact of the measures on traffic speed and safety in Aymestrey.

Site 1 - A4110 southern end of village near entrance to Village Hall carpark



COMBINED

Total recorded volume	26,145
Avg (24hr) daily volume (based on 7 days)	3,735
Avg (24hr) daily mean speed (7 days)	32.0mph
Avg (24hr) daily 85%ile (7 days)	37.0mph
Avg 12hr mean speed (7 days, 07:00-19:00)	31.1mph
Avg 12hr 85%ile speed (7 days, 07:00-19:00)	35.9mph

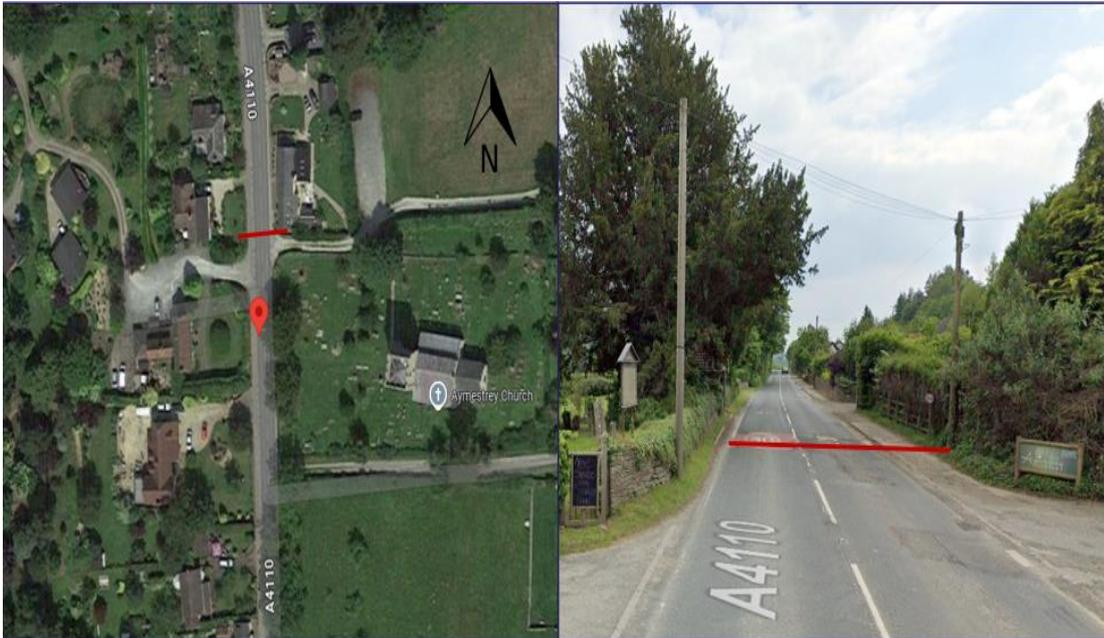
NORTHBOUND

Total recorded volume	13,551
Avg (24hr) daily volume (based on 7 days)	1,936
Avg (24hr) daily mean speed (7 days)	31.2mph
Avg (24hr) daily 85%ile (7 days)	36.9mph
Avg 12hr mean speed (7 days, 07:00-19:00)	30.5mph
Avg 12hr 85%ile speed (7 days, 07:00-19:00)	35.6mph

SOUTHBOUND

Total recorded volume	12,594
Avg (24hr) daily volume (based on 7 days)	1,799
Avg (24hr) daily mean speed (7 days)	32.5mph
Avg (24hr) daily 85%ile (7 days)	37.2mph
Avg 12hr mean speed (7 days, 07:00-19:00)	31.9mph
Avg 12hr 85%ile speed (7 days, 07:00-19:00)	36.1mph

Site 2 - A4110 central area near entrance to Church



COMBINED

Total recorded volume	24,956
Avg (24hr) daily volume (based on 7 days)	3,565
Avg (24hr) daily mean speed (7 days)	31.0mph
Avg (24hr) daily 85%ile speed (7 days)	35.0mph
Avg 12hr mean speed (7 days, 07:00-19:00)	29.9mph
Avg 12hr 85%ile speed (7 days, 07:00-19:00)	33.8mph

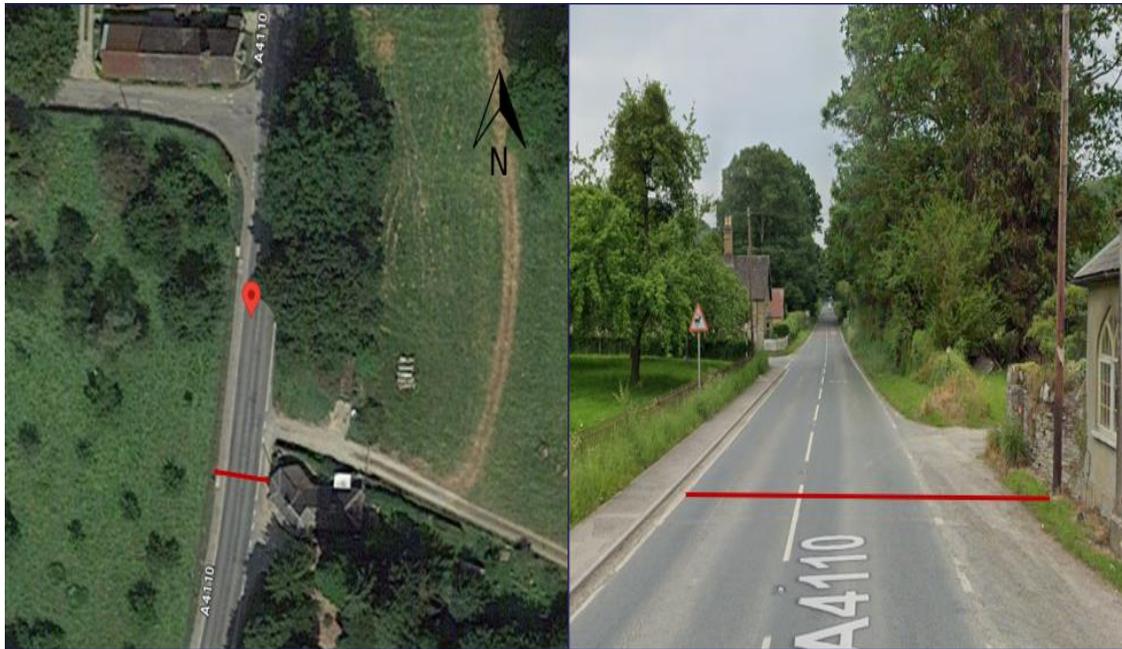
NORTHBOUND

Total recorded volume	12,243
Avg (24hr) daily volume (based on 7 days)	1,749
Avg (24hr) daily mean speed (7 days)	29.5mph
Avg (24hr) daily 85%ile (7 days)	33.2mph
Avg 12hr mean speed (7 days, 07:00-19:00)	28.8mph
Avg 12hr 85%ile speed (7 days, 07:00-19:00)	32.1mph

SOUTHBOUND

Total recorded volume	12,713
Avg (24hr) daily volume (based on 7 days)	1,816
Avg (24hr) daily mean speed (7 days)	31.6mph
Avg (24hr) daily 85%ile (7 days)	35.7mph
Avg 12hr mean speed (7 days, 07:00-19:00)	31.0mph
Avg 12hr 85%ile speed (7 days, 07:00-19:00)	34.7mph

Site 3 - A4110 Northern end of village near Mortimer Trail



COMBINED

Total recorded volume	23,427
Avg (24hr) daily volume (based on 7 days)	3,347
Avg (24hr) daily mean speed (7 days)	32.0mph
Avg (24hr) daily 85%ile speed (7 days)	39.0mph
Avg 12hr mean speed (7 days, 07:00-19:00)	31.7mph
Avg 12hr 85%ile speed (7 days, 07:00-19:00)	37.2mph

NORTHBOUND

Total recorded volume	11,644
Avg (24hr) daily volume (based on 7 days)	1,663
Avg (24hr) daily mean speed (7 days)	34.2mph
Avg (24hr) daily 85%ile speed (7 days)	40.2mph
Avg 12hr mean speed (7 days, 07:00-19:00)	33.5mph
Avg 12hr 85%ile speed (7 days, 07:00-19:00)	38.9mph

SOUTHBOUND

Total recorded volume	11,783
Avg (24hr) daily volume (based on 7 days)	1,683
Avg (24hr) daily mean speed (7 days)	30.4mph
Avg (24hr) daily 85%ile speed (7 days)	35.6mph
Avg 12hr mean speed (7 days, 07:00-19:00)	29.9mph
Avg 12hr 85%ile speed (7 days, 07:00-19:00)	34.6mph

Key Observations:

Across all sites, mean and 85%ile speeds during the 12-hour period (daytime) are slightly lower than the 24-hour averages. It is common for the 12-hour 85%ile and mean speeds to provide the best representation of the daytime “feel” of speeds within the village and should be considered the most relevant. 24 hour speeds encompassing night time vehicle movements tend to be less influenced by engineering measures and the roadside environment, together with more varied driving behaviour, which it is normal to see influence an increase in the speed data figures.

Site 1 and Site 3 have a higher mean speed overall than Site 2. This is expected due to Site 1 & 3 being located on the entrances/exits to Aymestrey village, and these are principally influenced by the “exit” speed direction. In each site, the Northbound direction generally has lower average speeds than the Southbound direction, with the exception of Site 3, and will be primarily due to the change in environment and approaching exit from the limit.

Overall current speeds would be considered to be performing well, within realistic expectations for village environments, given the alignments and roadside nature at each of the locations.

Traffic Management Team
November 2024
