

Mobile Speed Indicator Device – Hall Road Findings

Introduction

This report presents the initial findings from the mobile speed-indicator device deployed outside the school on Hall Road. The device was installed to monitor traffic speeds, improve driver awareness, and strengthen safety measures around the school entrance.

Why Hall Road Was Selected

Hall Road, with its 20 mph limit, experiences busy school-time traffic and has been the focus of repeated community concerns. Deploying the device here first enabled us to gather high-quality data on driver behaviour during a typical eight-week monitoring period.

Key Findings

1. Traffic Volume

Over 12,700 vehicles recorded across the monitoring period:

- Incoming: 5,755
- Outgoing: 6,965

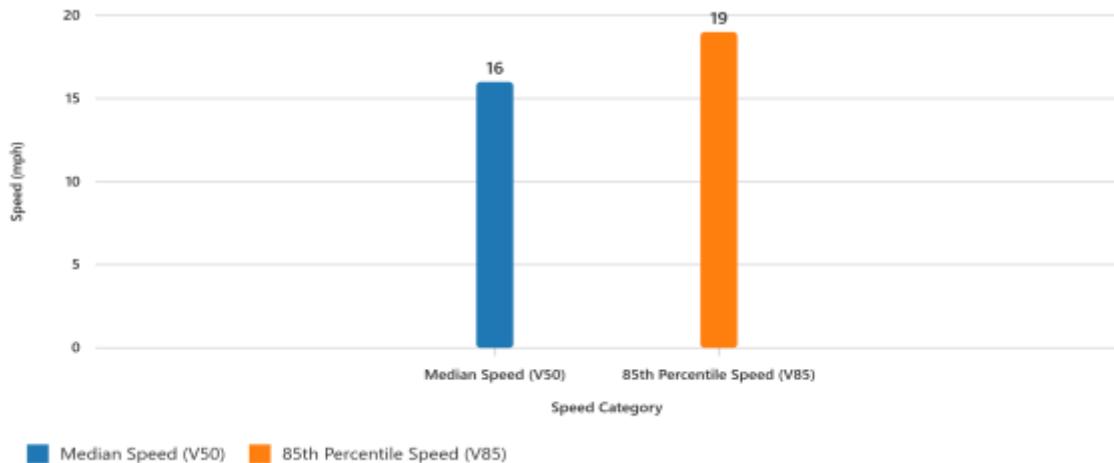
2. Speed Compliance

99.98% of incoming traffic travelled at 40 mph or below; 99.97% of outgoing traffic stayed at 40 mph or below. While 40 mph is above the 20 mph limit, these categories reflect the device's reporting structure.

3. Typical Speeds

- Median speed (V50): 16 mphⁱ
- 85th-percentile speed (V85)ⁱⁱ: 19 mph (consistent for both directions)

The 85th percentile indicates that 85% of drivers were travelling within the speed limit.



4. High-Speed Exceptions

- Highest incoming speed: 51 mph
- Highest outgoing speed: 47 mph

These isolated cases highlight the importance of ongoing monitoring and targeted enforcement.

What This Means for Hall Road

The initial data paints a largely positive picture. Most drivers respect the school-zone speed limit, and the typical speed of vehicles is significantly below 20 mph. However, the presence of a few extreme speeding cases shows that continued vigilance is necessary.

Next Steps

- Continue rotating the mobile device across priority locations.
- Monitor real-time driver behaviour and identify hotspots requiring intervention.
- Support road-safety initiatives for schools and vulnerable road users.

ⁱ The Median Speed (V50) refers to the speed at which 50% of vehicles are travelling at or below that value. If you were to line up all of the recorded speeds from lowest to highest, the median speed would be the middle point. This represents the typical speed most drivers are traveling, without being skewed by extreme high or low speeds.

ⁱⁱ The 85th percentile speed (V85) is the speed at or below which 85% of the vehicles are traveling. If you arranged all of the recorded speeds from lowest to highest, V85 would be the point where 85% of drivers were at or below, and only 15% of drivers are above it.