

Mirfield Town Council

ATC Summary  
Mirfield Speed Surveys

Church Lane (Site 5)



## Control Sheet

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 Mirfield Speed Surveys  
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## Acknowledgements

Google MyMaps has been used to generate figures included in this report for illustrative purposes only.

Traffic count data has been provided by Nationwide Data Collection.

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ATC05 – Church Lane Data

# 1. Introduction

1.1 Sanderson Associates Consulting Engineers have been appointed by Mirfield Town Council to provide highway consultancy services in relation to speed surveys for 16no. sites located around Mirfield.

1.2 The site locations comprise:

- Hopton Lane (2no. locations)
- Granny Lane
- Steanard Lane
- Church Lane
- Dunbottle Lane
- Lee Green
- Kitson Hill Road (2no. locations)
- Stocks Bank Road (2no. locations)
- Knowle Road
- Crowlees Road
- Flash Lane
- Shillbank (2no. locations)

1.3 The site locations identified are summarised in **Figure 1**.

**Figure 1 – Site Locations [Google MyMaps]**



- 1.4 Prior to the commissioning of the surveys, the sites, identified by Mirfield Town Council, were assessed for suitability for ATC surveys during a site visit conducted by Sanderson Associates and Councillors Martyn Bolt and Vivien Lees-Hamilton on Monday 17<sup>th</sup> November 2025.
- 1.5 Nationwide Data Collection (NDC) were commissioned to carry out the 16.no 24hr Automatic Traffic Count (ATC) surveys concurrently for a period of 7 days.
- 1.6 NDC use Metrocount vehicle by vehicle classifiers or Houston Radar loggers, for sites where tubes are not suitable. Counters are always installed, monitored and removed by full time, experienced technicians; who install ATCs on a regular basis (& undertake full risk assessments on a site-by-site basis prior to installation). Counters were to be installed for 7 full (& aligned) 24hr periods.

**Table 1 - Glossary of terms for ATC**

Heading	Description
>PSL	Greater than the posted speed limit
>PSL%	Greater than the posted speed limit as a percentage
>SL1 ACPO	Greater than ACPO (Association of Chief Police Officers) standard. ACPO is PSL x 10%+2mph
>SL1% ACPO	Greater than ACPO displayed as a percentage
>SL2 DfT	Greater than DfT (Department For Transport) standard. DfT is PSL plus 10mph.
>SL2% DfT	Greater than DfT displayed as a percentage
Mean	Average speed
Vpp 85	85th percentile speed

- The ACPO (Association of Chief Police Officers) limits refer to UK guidelines for speed enforcement, generally allowing a tolerance of 10% + 2 mph over the limit before action (like a fine or course) is considered.
- 85<sup>th</sup> percentile speed is the speed at or below which 85% of drivers on a road are travelling.

- 1.7 The following section will analyse the results for the Church Lane site.

## 2. Site ATC05 – Church Lane

2.1 Figure 2 shows the site location plan and photo of the equipment in place.

Figure 2 – ATC05 – Church Lane [NDC]



2.2 The survey was carried out between Friday 28<sup>th</sup> November 2025 00:00 – Thursday 4<sup>th</sup> December 2025 23:59.

2.3 The data collected is summarised in **Tables 2 and 3**.

**Table 2 – Summary of speed results – ATC05 – Church Lane**

Posted Speed Limit 30mph						
Direction of Travel	Average Speed (mph)	85th %ile Speed (mph)	Highest Recorded Speed (mph)	Time of Highest Speed	% over speed limit (06:00-22:00)	% over ACPO limit (06:00-22:00)
East	24.8	29.8	75-80	01:00-02:00	12.6	1.8
West	27.6	30.9	75-80	<i>Various see note</i>	19.7	3.0

**Table 3 – Summary of traffic flows – ATC05 – Church Lane**

Direction of Travel	Average Daily Total Vehicles (5-day)	Average Daily Total Vehicles (7-day)	Weekday AM Peak Time Period	Weekday PM Peak Time Period	Weekend Peak Time Period
East	2,778	2,585	08:00-09:00	15:00-16:00	13:00-14:00
West	3,041	2,920	11:00-12:00	16:00-17:00	12:00-13:00

- 2.4 The weekday peak time periods at this site were 08:00-09:00 in the AM and 15:00-16:00 in the PM. The weekend peak time period was 13:00-14:00.
- 2.5 On average, 16% of vehicles exceeded the posted speed limit of 30mph between the hours of 06:00 and 22:00, over the 7 day survey period. Over the same period, an average of 2.4% of vehicles exceeded the ACPO limit (35mph).
- 2.6 The highest recorded speed eastbound was 75-80mph, which occurred on Saturday 29<sup>th</sup> November at 01:00-00:00. The highest recorded speed westbound was 75-80mph, recorded on Friday 28<sup>th</sup> November at 03:00-04:00 and on Wednesday 3<sup>rd</sup> December at 19:00-20:00.
- 2.7 The full data report is included at **Appendix A**.



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## Appendix A


ATC05 – Church Lane Data

# 18 Church Ln, Mirfield WF14 9HU, UK

☉ 171°S (T) ● 53.677253, -1.67886 ±3m ▲ 111m



17436-5  
27 Nov 2025 12:44:08

	Site / Location:	Church Lane - 53.677254, -1.678878	Project No:	17436	Photo No:	5	Drawn By:	RN
	Survey Date:	Friday, 28 November 2025 - Thursday, 04 December 2025	Project Name:	Mirfield				
	Survey Times:	00:00 - 00:00 (24 Hour)	Title:	Site Photograph				

Site No.	Location.	Direction.	Speed Limit - PSL (mph)	Start Date.	End Date.	Total Vehicles.	5 Day Ave.	7 Day Ave.	No. > Speed Limit.	% > Speed Limit.	No. > ACPO Limit.	% > ACPO Limit.	No. > DfT Limit.	% > DfT Limit.	Mean Speed	85%ile Speed
5	Church Lane - 53.677254, -1.678878	North	30	Friday, 28 November 2025	Thursday, 04 December 2025	18095	2778	2585	2560	14.2	451	2.5	115	0.6	24.8	29.8
		South	30	Friday, 28 November 2025	Thursday, 04 December 2025	20440	3041	2920	4229	20.7	708	3.5	189	0.9	27.6	30.9
		Both Directions	30	Friday, 28 November 2025	Thursday, 04 December 2025	38535	5819	5505	6789	17.6	1159	3.0	304	0.8	26.2	30.4


































































## ATC VEHICLE CATEGORIES

Axles	Groups	Description	Class		Parameters	Dominant Vehicle	Aggregate
2	1 or 2	Very Short - Bicycle or Motorcycle	MC	1	$d(1) < 1.7\text{m}$ & axles=2		
2	1 or 2	Short - Sedan, Wagon, 4WD, Utility, Light Van	SV	2	$d(1) \geq 1.7\text{m}$ , $d(1) \leq 3.2\text{m}$ & axles=2		
3, 4 or 5	3	Short Towing - Trailer, Caravan, Boat, etc.	SVT	3	groups=3, $d(1) \geq 2.1\text{m}$ , $d(1) \leq 3.2\text{m}$ , $d(2) \geq 2.1\text{m}$ & axles=3,4,5		1 (Light)
2	2	Two axle truck or Bus	TB2	4	$d(1) > 3.2\text{m}$ & axles=2		2 (Medium)
3	2	Three axle truck or Bus	TB3	5	axles=3 & groups=2		
>3	2	Four axle truck	T4	6	axles>3 & groups=2		
3	3	three axle articulated vehicle or Rigid vehicle and trailer	ART3	7	$d(1) > 3.2\text{m}$ , axles=3 & groups=3		3 (Heavy)
4	>2	Four axle articulated vehicle or Rigid vehicle and trailer	ART4	8	$d(2) < 2.1\text{m}$ or $d(1) < 2.1\text{m}$ or $d(1) > 3.2\text{m}$ axles = 4 & groups>2		
5	>2	Five axle articulated vehicle or Rigid vehicle and trailer	ART5	9	$d(2) < 2.1\text{m}$ or $d(1) < 2.1\text{m}$ or $d(1) > 3.2\text{m}$ axles=5 & groups>2		
>=6	>2	six (or more) axle articulated vehicle or Rigid vehicle and trailer	ART6	10	axles=6 & groups>2 or axles>6 & groups=3		
>6	4	B-Double or Heavy truck and trailer	BD	11	groups=4 & axles>6		
>6	>=5	Double or triple road train or Heavy truck and two (or more) trailers	DRT	12	groups>=5 & axles>6		


### ATC SPEED BINS & DATA HEADINGS


Heading	Description
0 - 5	Speed bin totals 0 - 5 mph
5 - 10	Speed bin totals 5 - 10 mph
10-15	Speed bin totals 10 - 15 mph
15 - 20	Speed bin totals 15 - 20 mph
20 - 25	Speed bin totals 20 - 25 mph
25 - 30	Speed bin totals 25 - 30 mph
30 - 35	Speed bin totals 30 - 35 mph
35 - 40	Speed bin totals 35 - 40 mph
40 - 45	Speed bin totals 40 - 45 mph
45 - 50	Speed bin totals 45 - 50 mph
50 - 55	Speed bin totals 50 - 55 mph
55 - 60	Speed bin totals 55 - 60 mph
60 - 65	Speed bin totals 60 - 65 mph
65 - 70	Speed bin totals 65 - 70 mph
70 - 75	Speed bin totals 70 - 75 mph
75 - 80	Speed bin totals 75 - 80 mph
80 - 85	Speed bin totals 80 - 85 mph
85 - 90	Speed bin totals 85 - 90 mph
90 - 95	Speed bin totals 90 - 95 mph
95 - 100	Speed bin totals 95 - 100 mph
100 - 105	Speed bin totals 100 - 105 mph
105 - 110	Speed bin totals 105 - 110 mph
110 - 115	Speed bin totals 110 - 115 mph
115 - 120	Speed bin totals 115 - 120 mph
120 - 125	Speed bin totals 120 - 125 mph
125 - 130	Speed bin totals 125 - 130 mph
130 - 135	Speed bin totals 130 - 135 mph
135 - 140	Speed bin totals 135 - 140 mph


Heading	Description
>PSL	Greater than the posted speed limit
>PSL%	Greater than the posted speed limit as a percentage
>SL1 ACPO	Greater than ACPO (Association of Chief Police Officers) standard. ACPO is PSL x 10%+2mph
>SL1% ACPO	Greater than ACPO displayed as a percentage
>SL2 DFT	Greater than DFT (Department For Transport) standard. DFT is PSL plus 10mph.
>SL2% DFT	Greater than DFT displayed as a percentage
Mean	Average speed
Vpp 85	85th percentile speed




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