

Speed Indicator Report for Kings Bromley Parish Council June 2025

- The following pages provide analysis captured from Kings Bromley Speed Indicator Devices (SID)
- There are two SIDs in Kings Bromley on the A515 and they are located:
 - Opposite Bradbury Lane – Indicator board facing traffic **entering** the village
 - Opposite Leofric Close – Indicator board facing traffic **entering** the village
- The data was captured for every vehicle during the following period for May 2025 (accurate to each minute and +/- 1mph)
 - Bradbury Lane between 12:00 on 1st May 2025 to 11:59 31st May 2025
 - Leofric Close between 12:00 on 1st May 2025 to 11:59 31st May 2025



"Welcome to the Speed Indicator Report for Kings Bromley Parish Council, covering data collected in May 2025. This report aims to provide a comprehensive analysis of traffic speeds and volumes recorded by our Speed Indicator Devices, or SIDs, within the Parish."

"On the next few pages, we'll delve into the analysis captured by the Kings Bromley Speed Indicator Devices. We have two SIDs strategically placed on the A515 in Kings Bromley. One is located opposite Bradbury Lane, with its indicator board facing traffic entering the village. The other is opposite Leofric Close, also with its indicator board facing traffic entering the village."

The data for this report was meticulously captured for every vehicle during the entire month of May 2025, specifically from 12:00 on May 1st to 11:59 on May 31st. This data is accurate to each minute and within plus or minus 1 mph."

SUMMARY REPORT 1st to 31st May 2025



"This slide provides an overview of the traffic data for the month of May. We can see the total number of vehicles recorded by each SID, both inbound and outbound.

Let's look at the Bradbury Lane inbound data first:

- The average speed recorded was 28 mph.
- The highest speed recorded was 71 mph.
- The hour of highest speed was between 7:00 AM and 8:00 AM.
- The busiest hour of the day was between 3:00 PM and 4:00 PM.
- There were 5,254 vehicles recorded over 36 mph.

Bradbury Lane outbound:

- The average speed was 33 mph.
- A highest speed of 107 mph was recorded.
- The highest speed hour was 9:00 AM to 10:00 AM.
- The busiest hour was between 3:00 PM and 4:00 PM.
- A significant 29,248 vehicles were recorded over 36 mph.

Leofric Close inbound:

- The average speed was 26 mph.
- The highest speed recorded was 69 mph.
- The highest speed hour was 3:00 AM to 4:00 AM.
- The busiest hour was between 4:00 PM and 5:00 PM.
- There were 2,020 vehicles recorded over 36 mph.

Leofric Close outbound:

- The average speed was 31 mph.
- The highest speed recorded was 93 mph.
- The hour of highest speed was 5:00 PM to 6:00 PM.
- The busiest hour was between 4:00 PM and 5:00 PM.
- A significant 10,273 vehicles were recorded over 36 mph.

In total, Bradbury Lane saw 130,149 inbound vehicles and 141,107 outbound vehicles, while Leofric Close recorded 87,681 inbound vehicles and 96,730 outbound vehicles."

Conclusions

Vehicle Count Bradbury Lane			
Speed Bracket	Inbound	Outbound	Totals
0-20	1,492	472	1,964
21-30	110,121	62,842	172,963
31-35	13,282	48,545	61,827
36-40	3,814	21,374	25,188
41-50	1,329	7,233	8,562
51-60	96	549	645
>60	15	92	107
Totals	130,149	141,107	271,256

Vehicle Count Leofric Close			
Speed Bracket	Inbound	Outbound	Totals
0-20	3,853	637	4,490
21-30	76,064	58,595	134,659
31-35	5,744	27,225	32,969
36-40	1,507	7,927	9,434
41-50	469	2,188	2,657
51-60	39	127	166
>60	5	31	36
Totals	87,681	96,730	184,411

Law Enforcement Requirement	Inbound	Outbound	Category
Compliant	111,613	63,314	-
Non Compliant Warning/Fine	13,282	48,545	Band A Fine
Non Compliant Fixed Penalty	3,814	21,374	Band B Fine
Non Compliant Ban	1,440	7,874	Band C Fine
Total Law Enforcement Required	18,536	77,793	

Law Enforcement Requirement	Inbound	Outbound	Category
Compliant	79,917	59,232	-
Non Compliant Warning/Fine	5,744	27,225	Band A Fine
Non Compliant Fixed Penalty	1,507	7,927	Band B Fine
Non Compliant Ban	513	2,346	Band C Fine
Total Law Enforcement Required	7,764	37,498	

"This slide provides a more detailed breakdown of vehicle counts by speed bracket for both locations.

Bradbury Lane

A total of 271,256 total vehicles were recorded.

- 1,964 vehicles were traveling between 0-20 mph.
- 172,963 vehicles, were in the 21-30 mph bracket.
- 61,827 vehicles were between 31-35 mph.
- 25,188 vehicles were between 36-40 mph.
- 8,562 vehicles were between 41-50 mph.
- 645 vehicles were between 51-60 mph.
- And 107 vehicles were recorded at over 60 mph!

Leofric Close:

A total of 184,411 vehicles were recorded.

- 4,490 vehicles were in the 0-20 mph bracket.
- 134,659 vehicles were between 21-30 mph.
- 32,969 vehicles were between 31-35 mph.
- 9,434 vehicles were between 36-40 mph.
- 2,657 vehicles were between 41-50 mph.
- 166 vehicles were between 51-60 mph.
- And 36 vehicles were recorded at over 60 mph!

These tables highlight the distribution of speeds and show the number of vehicles exceeding the speed limit."

"This section details the breakdown of vehicles that would fall into different law enforcement categories based on their speed.

Bradbury Lane:

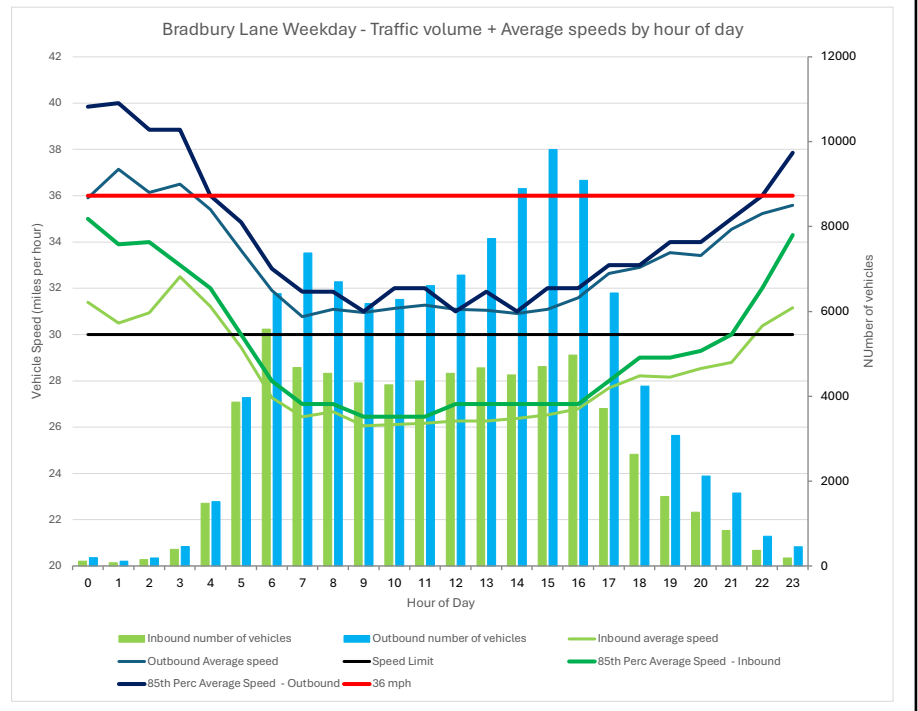
- 111,613 inbound and 63,314 outbound vehicles were compliant.
- A total of 18,536 inbound and 77,793 outbound instances would require law enforcement action.
 - This includes 13,282 inbound and 48,545 outbound vehicles that would warrant a warning or Band A fine.
 - 3,814 inbound and 21,374 outbound vehicles would be subject to a fixed penalty or Band B fine.
 - And 1,440 inbound and 7,874 outbound vehicles could face a ban or Band C fine

Leofric Close:

- 79,917 inbound and 59,232 outbound vehicles were compliant.
- A total of 7,764 inbound and 37,498 outbound instances would require law enforcement action.
 - This includes 5,744 inbound and 27,225 outbound vehicles for a warning or Band A fine.
 - 1,507 inbound and 7,927 outbound vehicles for a fixed penalty or Band B fine.
 - And 513 inbound and 2,346 outbound vehicles for a ban or Band C fine.

These figures demonstrate the scale of speeding incidents at both locations."

**Bradbury Lane –
Traffic volume
+ Average speed
+85% Percentile
by hour of day
weekday**



These graphs show the volume of inbound (light green bars) and outbound (light blue bars) traffic broken down for each hour of the day. You can clearly see the increased volume in the morning and early evening, incorporating school and workers traffic.

The graph shows that the measure which County Councils and Police Forces monitor, which is the 85 percentile, is lower than 36 mph which would trigger law enforcement action.

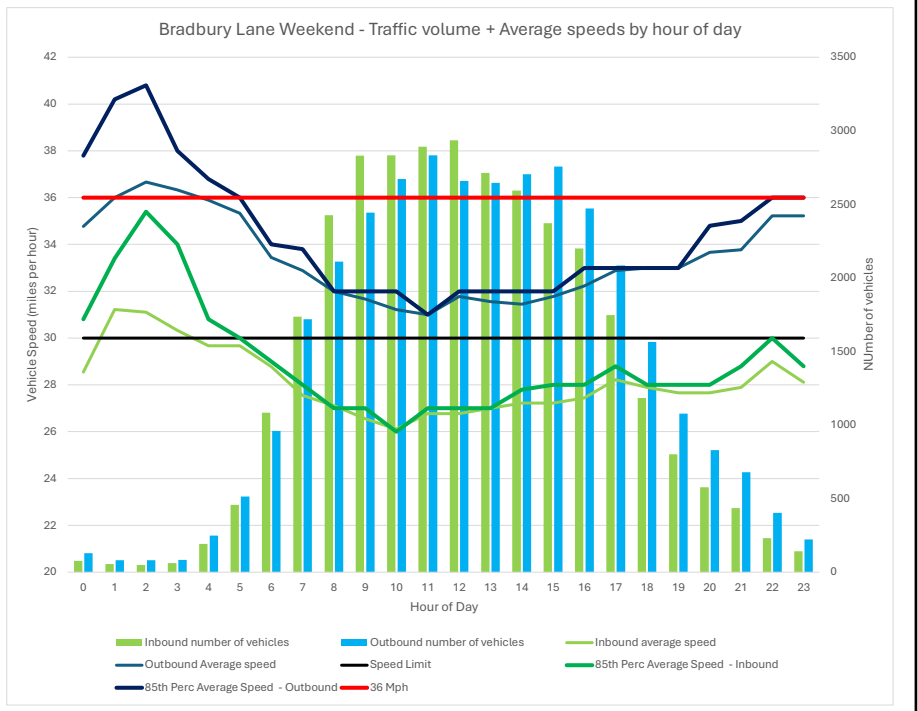
The fact that 15% of traffic, which would be above this threshold, is not deemed significant is alarming given that the SIDs date clearly shows extreme maximum speeds and significant volumes above the 36mph threshold.

The next three slides show that although there is a significant difference between inbound and outbound traffic, none are above the 36mph threshold during the core day time hours.

The remaining slides will focus on the sheer volume of traffic that travel through this small and vulnerable village at speeds in excess of 36 mph.

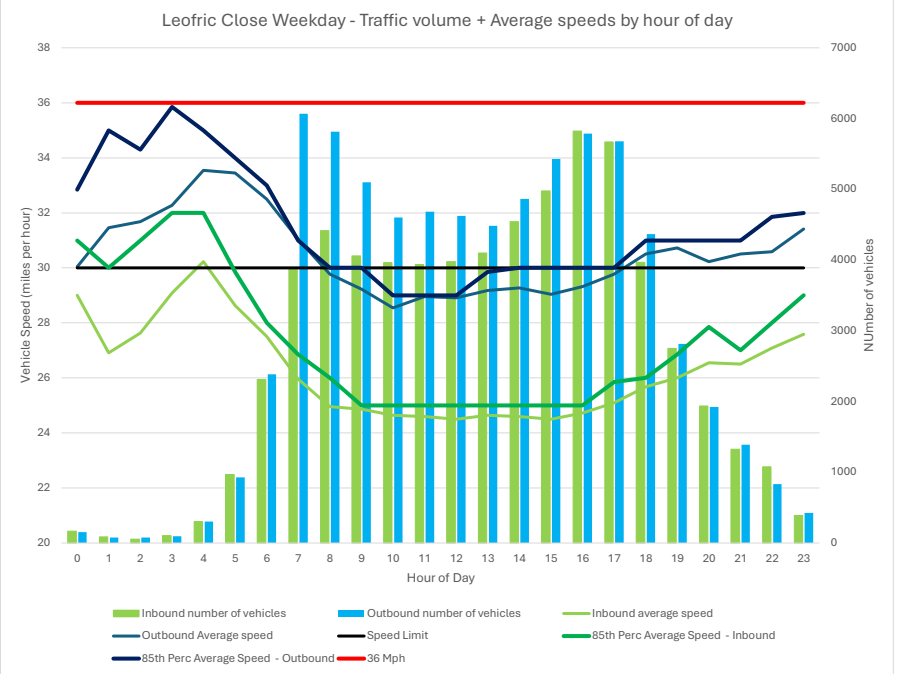
Our data clearly shows that a more constant law enforcement or at least automatic educational awareness solution is needed.

Bradbury Lane –
Traffic volume
+ Average speed
+85% Percentile
by hour of day
weekend

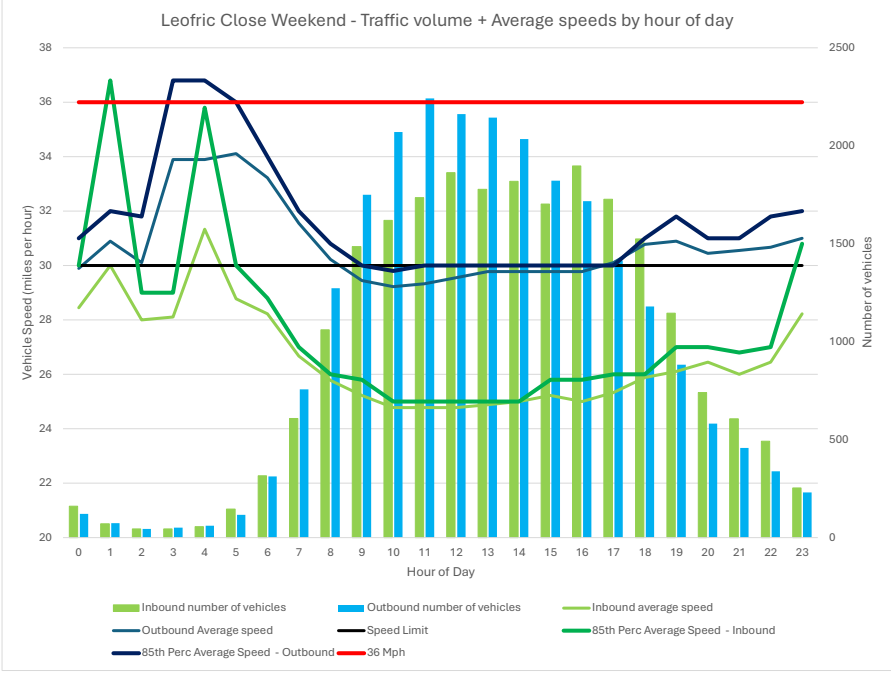


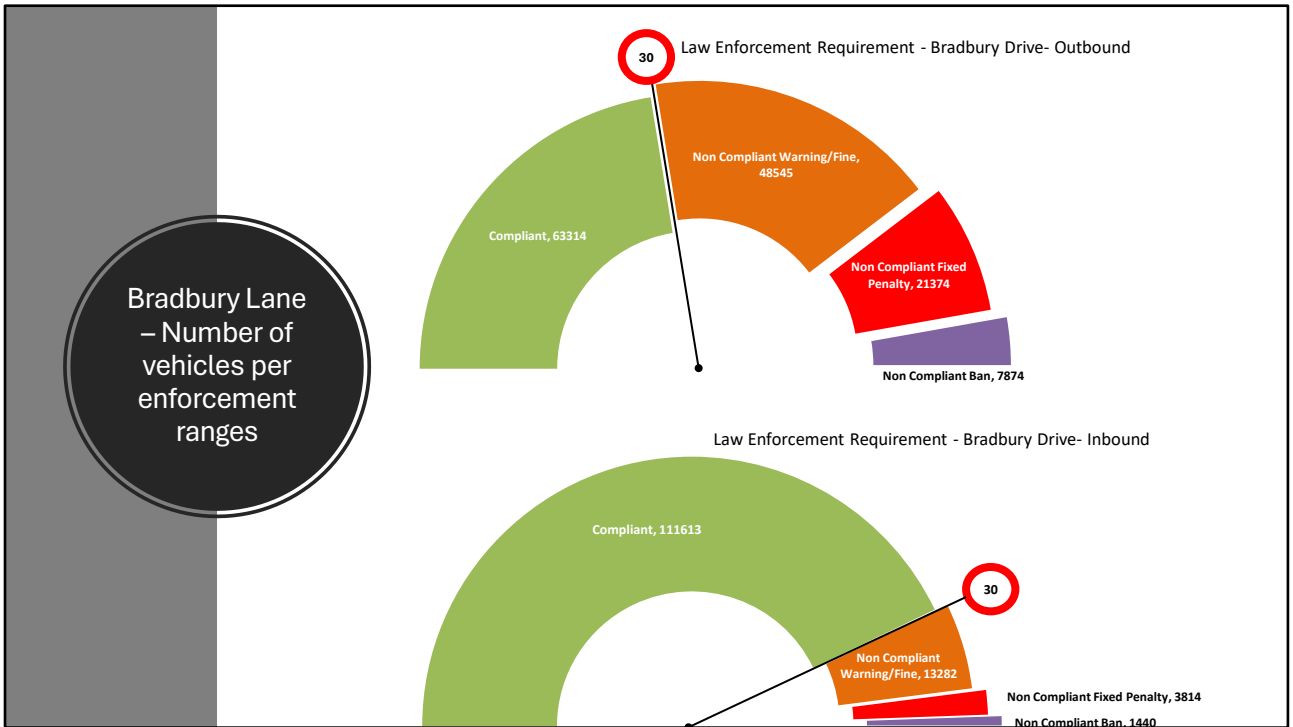
"This slide presents the same hourly breakdown for Bradbury Lane, but for weekends. The overall traffic volume is generally lower compared to weekdays. However, we can still see instances where both average speeds and 85th percentile speeds exceed the 36 mph limit, particularly in the mid-afternoon. This suggests that speeding remains an issue even on weekends, albeit with different peak times."

Leofric Close –
 Traffic volume
 + Average speed
 + 85% Percentile
 by hour of day
 weekday



Leofric Close –
 Traffic volume
 + Average speed
 + 85% Percentile
 by hour of day
 weekend

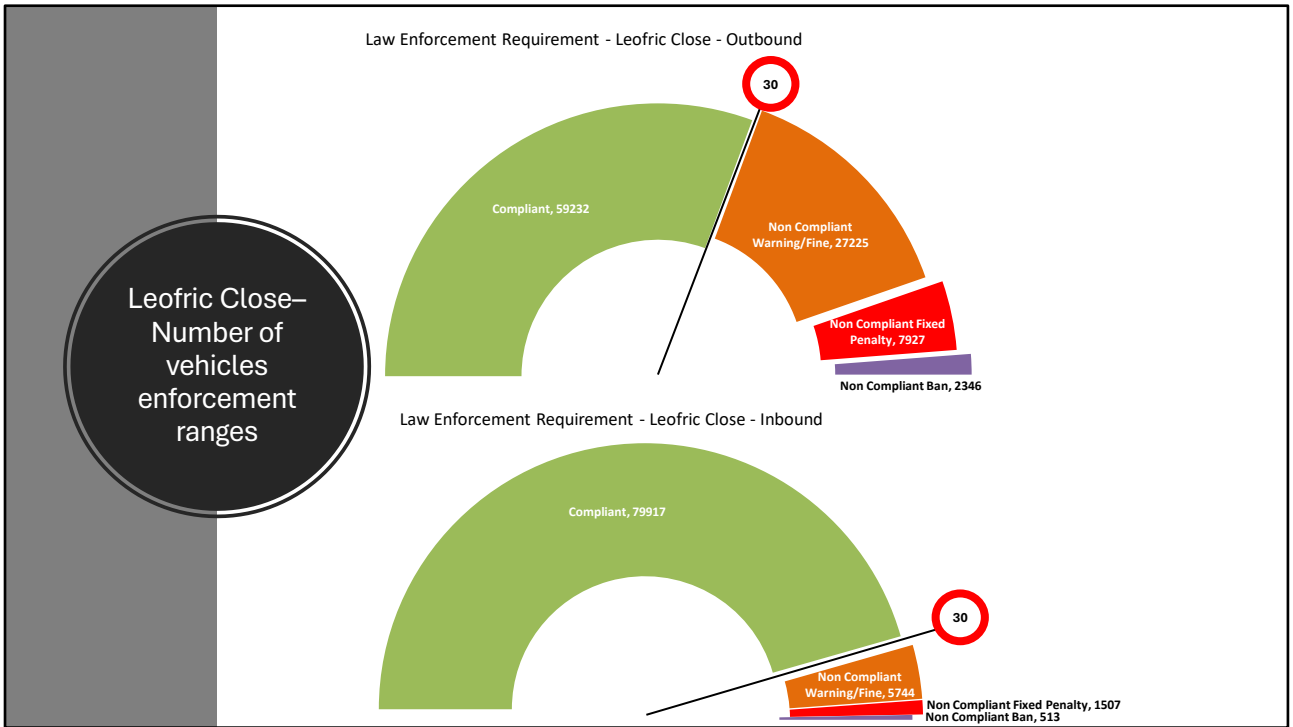




"These pie charts provide a visual representation of the proportion of vehicles that fall into different enforcement ranges for Bradbury Lane.

- For outbound traffic, a large portion, 63,314 vehicles, are compliant. However, 48,545 would warrant a non-compliant warning/fine, 21,374 a non-compliant fixed penalty, and 7,874 a non-compliant ban.
- For inbound traffic, 111,613 vehicles are compliant. There are 13,282 vehicles for a non-compliant warning/fine, 3,814 for a non-compliant fixed penalty, and 1,440 for a non-compliant ban.

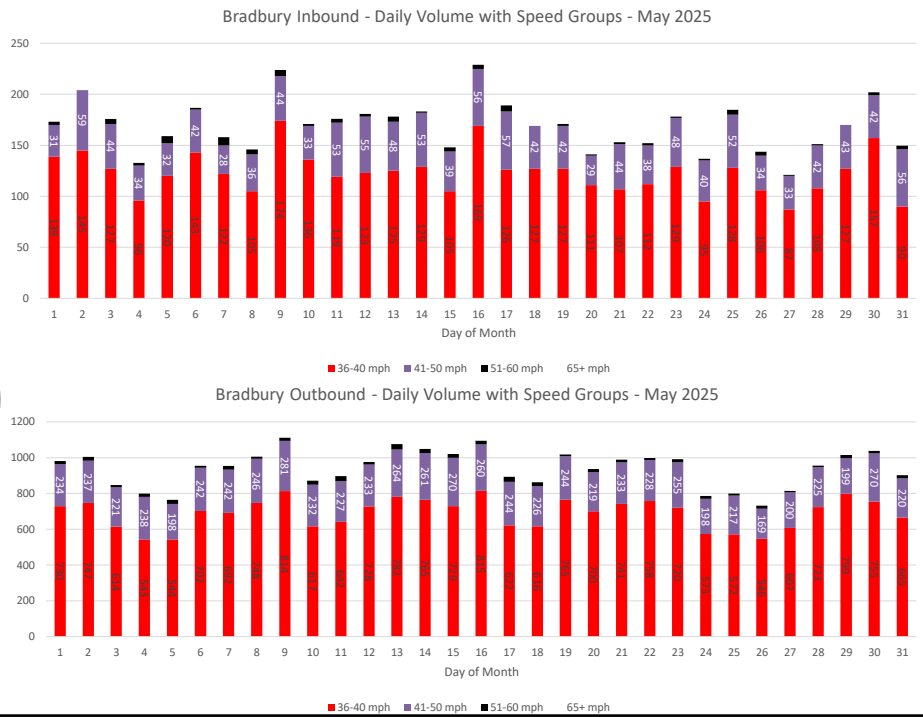
These charts clearly illustrate the significant volume of non-compliant vehicles, especially for outbound traffic."



"Similarly, for Leofric Close, these pie charts show the breakdown of compliant versus non-compliant vehicles.

- For outbound traffic, 59,232 vehicles are compliant. There are 27,225 vehicles that would receive a non-compliant warning/fine, 7,927 a non-compliant fixed penalty, and 2,346 a non-compliant ban.
- For inbound traffic, 79,917 vehicles are compliant. There are 5,744 vehicles for a non-compliant warning/fine, 1,507 for a non-compliant fixed penalty, and 513 for a non-compliant ban.

Bradbury Lane
- Traffic Count
by Speed
Range and
Day of Month

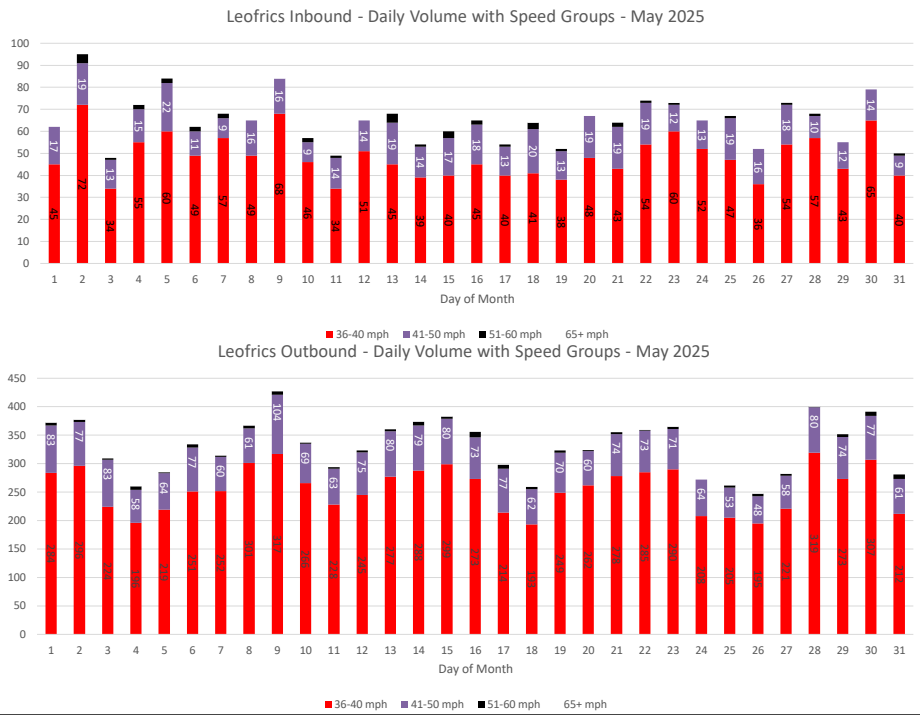


"This slide provides a daily view of traffic counts by speed range for Bradbury Lane throughout May. The different coloured bars represent vehicles in speed brackets of 36-40 mph, 41-50 mph, 51-60 mph, and over 60 mph.

The reduction in weekend traffic is clearly visible (3-4, 10-11, 17-18, 24-25) however the ratio of speed brackets above 36 mph is unaffected.

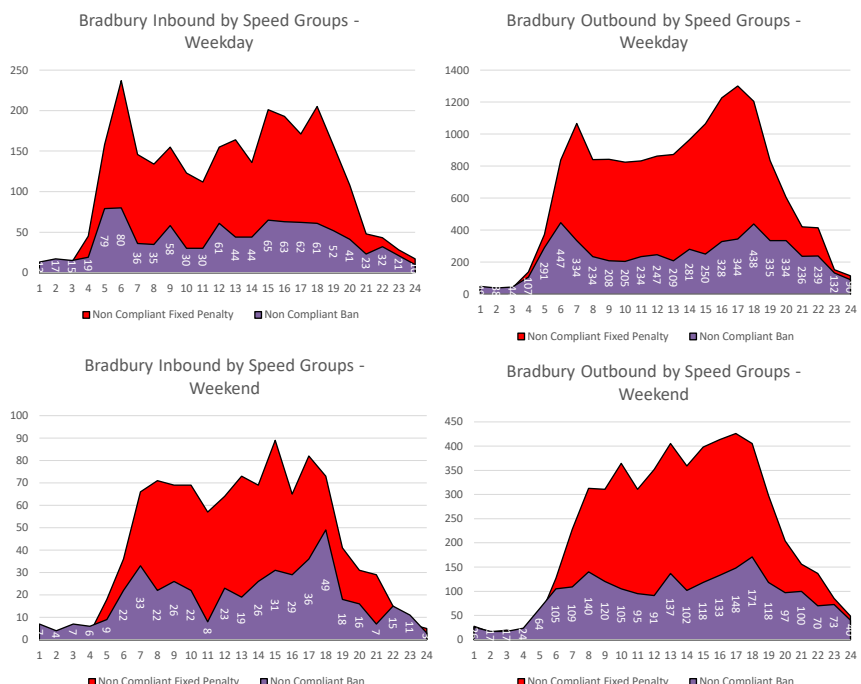
We can see the daily fluctuations in the number of vehicles exceeding the speed limit, both inbound and outbound. This granular data can help us identify specific days or periods where speeding is more prevalent."

Leofric Close
- Traffic Count
by Speed
Range and
Day of Month



"Here, we see the same daily breakdown for Leofric Close, showing traffic counts by speed range across May. The patterns indicate daily variations in speeding, similar to Bradbury Lane. This allows for a more targeted analysis of when higher speeds are occurring."

Bradbury Lane
- Traffic Count by
Enforcement
Range and
Hour of day



"These graphs delve deeper, showing the hourly distribution of non-compliant vehicles for Bradbury Lane, separated by weekdays and weekends, and inbound and outbound traffic.

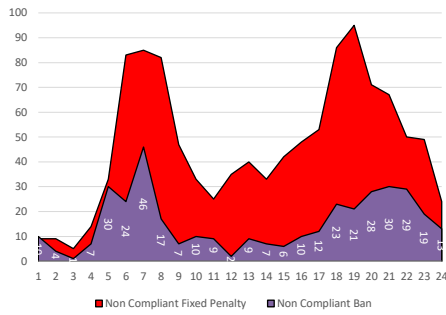
The red sections represent vehicles warranting a fixed penalty (36-40), and the purple sections represent those warranting a ban above 41mph.

These numbers are significant and cause great concern for villagers as they are throughout the core daytime period.

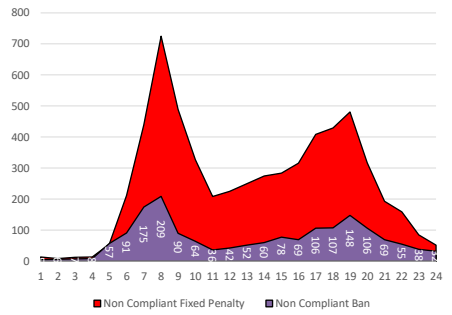
We can pinpoint the specific hours during which the highest number of serious speeding offenses occur, providing valuable insight for potential enforcement strategies."

Leofric Close
- Traffic Count
by
Enforcement
Range and
Hour of day

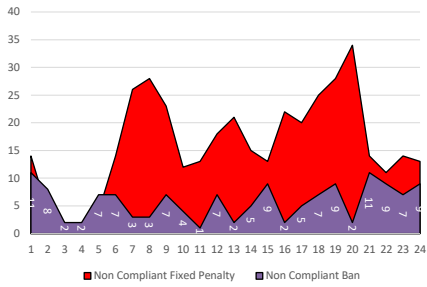
Leofric Inbound by Speed Groups - Weekday



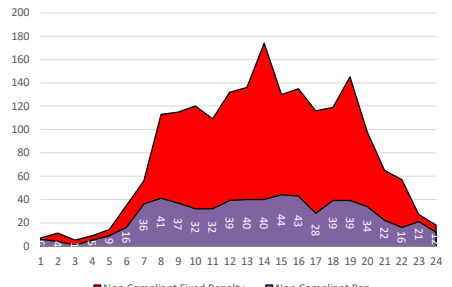
Leofric Outbound by Speed Groups - Weekday



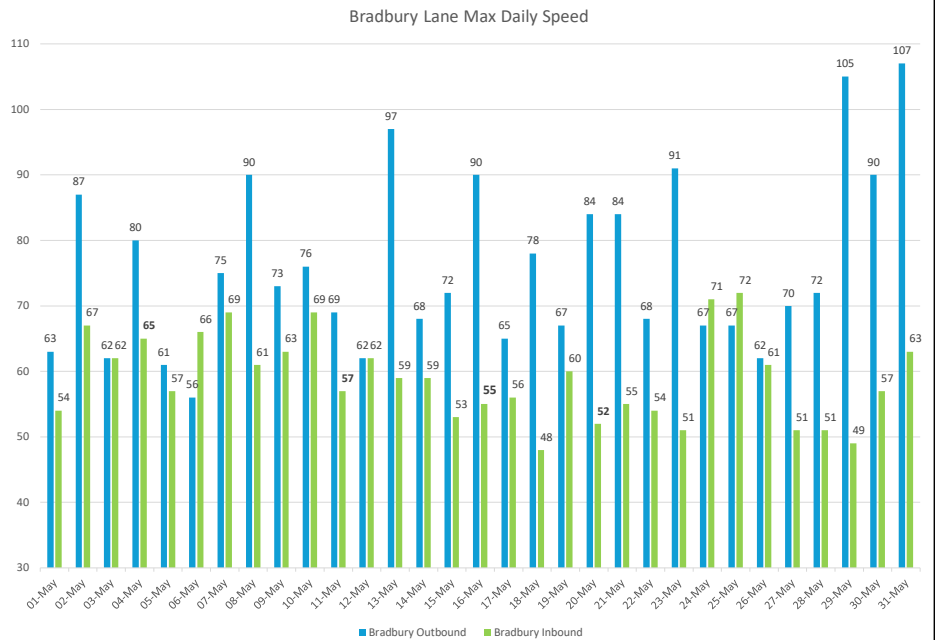
Leofric Inbound by Speed Groups - Weekend



Leofric Outbound by Speed Groups - Weekend



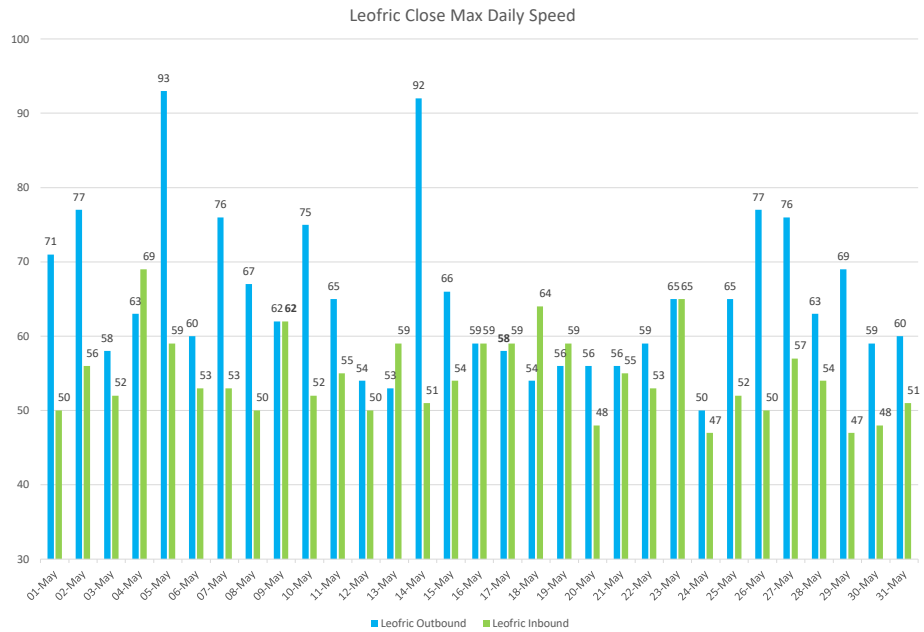
Bradbury Lane
- Max Speed
by
Day of Month



"This graph displays the maximum speed recorded each day for Bradbury Lane throughout May, differentiating between inbound and outbound traffic. We can see the fluctuating highest speeds, with some days showing significantly higher maximums than others. This highlights the sporadic nature of extreme speeding incidents."

At Bradbury Lane, the lowest inbound maximum is 48mph (18th May) and lowest outbound maximum is 56 mph which are well into the highest level of law enforcement available.

Leofric Close
- Max Speed
by
Day of Month



"Finally, here's the daily maximum speed data for Leofric Close for May. Similar to Bradbury Lane, we observe considerable daily variations in the highest recorded speeds for both inbound and outbound traffic. This reinforces the need for ongoing monitoring and potentially targeted interventions."

"In conclusion, the data from May 2025 reveals a consistent issue with vehicles exceeding the speed limit at both Bradbury Lane and Leofric Close in Kings Bromley.

While average speeds may appear reasonable, the significant numbers of vehicles in higher speed brackets, especially those warranting fixed penalties or bans, are a cause for concern.

The detailed hourly and daily breakdowns provide valuable insights into when and where these speeding incidents are most prevalent.

This report will hopefully serve as a crucial tool for the Kings Bromley Parish Council and higher authorities in formulating strategies to address traffic safety within the village.