



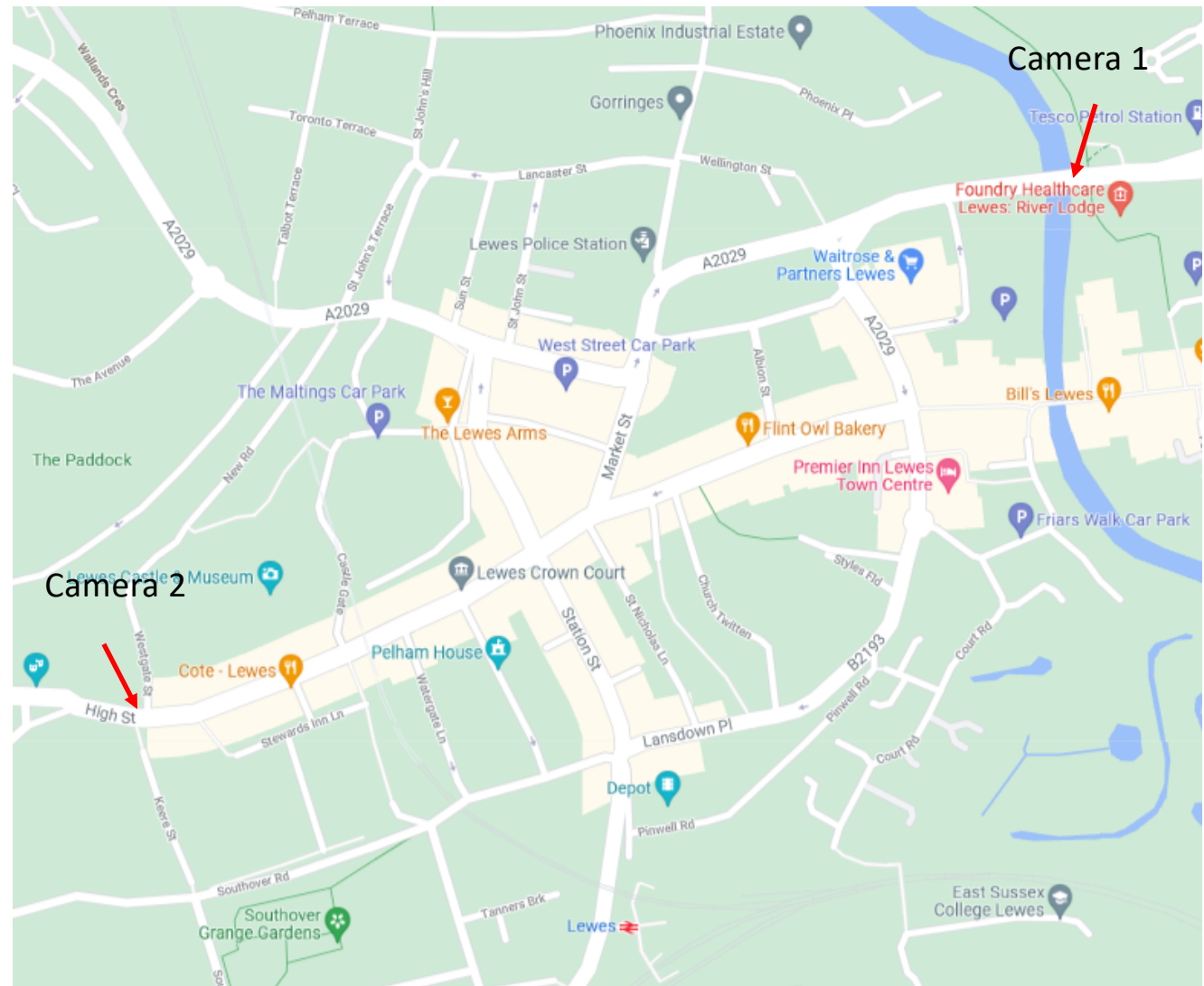
# Lewes High Street Through Traffic Survey

Using Number Plate Recognition Cameras

# Background

- Carried out by Intelligent Data Services Ltd (also used by East Sussex County Council)
- Carried out on Tue 16<sup>th</sup> to Mon 22<sup>nd</sup> November 2021 (one week)
- (Delayed to enable Earwig Corner Road works to finish)
- Used two camera positions (1. Phoenix Bridge; 2. High Street at Westgate Road jct) which recorded number plates coming towards and going away from camera position
- Data provided on those vehicles passing from one camera to another (or returning to the same camera) within 15 minutes and 10 minutes

# Location of cameras



# Data shows

- Time passed camera
- Time taken between cameras (or back to the same camera)
- Type of vehicles (car, van, other goods vehicle, bus)
- Total number of vehicles passing
- Number of number plates read
- 90% of number plates were read (typical for this work)

Going East

Westgate (High Street) to  
Phoenix Bridge

# High Street (Westgate) to Phoenix Bridge

Date	No. captured at High St Westgate	No. exiting at Phoenix bridge in 5 mins	No. exiting at Phoenix bridge in 10 mins	No. exiting at Phoenix bridge in 15 mins
Tue 16 Nov	2,730	<b>1,322 (48%)</b>	<b>1,423 (52%)</b>	<b>1,460 (53%)</b>
Wed 17 Nov	2,561	<b>1,202 (47%)</b>	<b>1,333 (54%)</b>	<b>1,385 (54%)</b>
Thu 18 Nov	2,686	<b>1,300 (48%)</b>	<b>1,409 (52%)</b>	<b>1,452 (54%)</b>
Fri 19 Nov	2,888	<b>1,326 (46%)</b>	<b>1,446 (50%)</b>	<b>1,494 (52%)</b>
Sat 20 Nov	2,482	<b>1,032 (42%)</b>	<b>1,149 (46%)</b>	<b>1,187 (48%)</b>
Sun 21 Nov	1,852	<b>877 (47%)</b>	<b>930 (50%)</b>	<b>957 (52%)</b>
Mon 22 Nov	2,520	<b>1,177 (47%)</b>	<b>1,277 (51%)</b>	<b>1,318 (52%)</b>

# Types of vehicles

Going Westgate to Phoenix Bridge in under 15 minutes

Day	Cars	Vans	Other Goods Vehicles	Buses
Tue	1,102 (75%)	257 (18%)	15 (1%)	86 (6%)
Fri	1,145 (77%)	251 (17%)	16(1%)	82 (5%)
Sat	1,019 (86%)	90 (8%)	6 (1%)	72 (6%)
Sun	853 (89%)	67 (7%)	8 (1%)	28 (3%)

# 7am-7pm Westgate to Phoenix Bridge

1,236 passed through the High Street (west to east) in under 10 minutes on Tuesday 7am-7pm

**103 per hour on average, 1.71 per minute**

76% cars

18% vans

5% buses

**Virtually same as East to West**



# Conclusion

- Over 1,000 vehicles a day enter Lewes High Street from the west, drive through the High Street and exit at the Phoenix Bridge within 5 minutes.
- (The only exception is Sunday when overall numbers are lower)
- This is about 50% of the vehicles that entered the High Street from the west end.
- Most of this is within 7am to 7pm: over 100 per hour.
- Mostly cars (with even higher proportion of cars on Saturday and Sunday).

Going West

# Traffic numbers overall

- The number of vehicles passing at Phoenix Bridge was 17% down compared to ESCC June 2019 count.
  - 11,852 vehicles coming west across Phoenix Bridge in 2019
  - 9,788 vehicles coming west across Phoenix bridge in our 2021 survey (17% reduction)

## Phoenix Bridge to ...

A substantial number (not measured) come over the Phoenix Bridge and go...

- Along Friars Walk... Station Street...Southover High Street
- Up East Street
- Out again over the Phoenix Bridge (measured - see postscript)

**We measured those who went up School Hill and exited the High street at the western end (camera at Westgate junction)**

# Exiting at Westgate

Date	No. captured exiting at Westgate jct	No. came across Phoenix Bridge 5 mins earlier	No. came across Phoenix Bridge 10 mins earlier	No. came across Phoenix Bridge 15 min earlier
Tue 16 Nov	2,888	1,257 (44%)	1,480 (51%)	1,547 (54%)
Wed 17 Nov	2,825	1,267 (45%)	1,451 (51%)	1,509 (53%)
Thu 18 Nov	2,846	1,285 (45%)	1,487 (52%)	1,561 (55%)
Fri 19 Nov	3,123	1,204 (39%)	1,558 (50%)	1,617 (52%)
Sat 20 Nov	2,671	1,083 (41%)	1,280 (48%)	1,327 (50%)
Sun 21 Nov	2,143	1,002 (47%)	1,093 (51%)	1,116 (52%)
Mon 22 Nov	2,747	1,151 (42%)	1,398 (51%)	1,459 (53%)

# Total numbers of vehicles higher

Extrapolated from 90% sample

- The survey represents a 90% sample as not all number plates could be read
- If we assume that the same movements apply to all vehicles counted, then the numbers of vehicles driving straight through the High Street is even higher.
- **For example on Tuesday vehicles driving straight through: 1,389 in 5 minutes; 1,645 in 10 minutes; and 1,720 in 15 minutes**

# Types of vehicles

## Going west in under 15 minutes

Day	Cars	Vans	Other Goods Vehicles	Buses
Tue	1,183 (76%)	243 (16%)	24 (2%)	97 (6%)
Fri	1,259 (78%)	237 (15%)	16 (1%)	94 (6%)
Sat	1,129 (85%)	122 (9%)	7 (1%)	69 (5%)
Sun	1,014 (91%)	65 (6%)	6 (1%)	31 (3%)

Selected days. Other days similar

Exiting at Westgate

7am-7pm (when 86% of the traffic passes)

1,275 passed through the High Street (going west) in under 10 minutes from Phoenix Bridge

**106 per hour on average, 1.76 per minute**

76% cars

17% vans

6% buses



# Peak times Exiting Westgate

(Driving straight through from Phoenix Bridge in under 10 mins)

Time	Number per hour	Number per min	Peak quarter	Number per min
8-9am	142	2.36	8.30-8.45am	3
3-4pm	117	1.95	3.30-3.45pm	3
4-5pm	162	2.7	4.45-5pm	3.6
5-6pm	134	2.23	5-5.15pm	3.7

# Conclusion

- Over 1,000 vehicles a day enter Lewes at Phoenix Bridge, drive through the High Street and exit within 5 minutes.
- This is around 50% of the vehicles exiting the High Street going West.
- 76-91% of these vehicles are cars
- Similar pattern for 7am-7pm but 1.6 vehicles per min on average
- Some peak times when around 3 vehicles per minute are passing through

A postscript...

# Travelling in and out over the Phoenix Bridge

Of the 8,806 vehicles captured entering town over Phoenix Bridge on 16<sup>th</sup> November 2021

- The following were captured **exiting the town the same way**
- 622 (7%) within 15 minutes
- 423 (5%) within 10 minutes
- 166 (2%) within 5 minutes
- Similar pattern for other days

Probably via East Street or School Hill/Market Street

A result of the Lewes one way system?