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Bramford to Twinstead Reinforcement

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1. Introduction

1.1 Purpose of this data

1.1.1 This document has been prepared by the Applicant (National Grid) for submission in to the Examination for the Bramford to Twinstead Reinforcement project (the project). The Examining Authority's 2nd Written Questions were published on 22 December 2023. Written Question TT2.13.1 states that:

1.1.2 *'In fulfilment of the first action point from Issue Specific Hearing 6, can the traffic data that has been shared with the local highway authorities be provided in the following manner? For each of the 167 traffic count sites:*

1. *Traffic count location, including the road name.*
2. *The purpose of the count, such as obtaining traffic data at the point of a proposed temporary or permanent access.*
3. *The speed limit.*
4. *The duration of the traffic count (in days) and the daily hours of operation.*
5. *The calculated annual average daily traffic flow or other equivalent statistical measure of traffic flow.*
6. *Classification of the traffic count by vehicle type.*
7. *The 85%ile speed.'*

1.1.3 This document has been produced to provide the information requested in the above written question. It summarises very large amounts of traffic survey data which have already been supplied directly to Suffolk and Essex County Councils, as the Local Highway Authorities (LHA) for the project.

1.1.4 The LHA requested the traffic survey data used to develop the Transport Assessment (TA) [APP-061] and Chapter 12 of the Environmental Statement (ES) [APP-080] for their own understanding and to support discussions on the design of accesses for the project. All of the information from surveys at 184 locations was supplied directly to the LHA on 7 December 2023 by file transfer due to large data sets being involved.

1.1.5 Each of the surveys was programmed for a two-week period involving 24-hour recording of flow and speed. In a few locations, surveys were extended to a four-week period, and in three cases, technical data problems mean that one week of data is available. The results are reported in one file for each site for each week of data. This document summarises the data and explains its use in the TA and ES.

1.1.6 This information was provided to LHA with a summary note to explain the data and its use in the ES/TA with appendices of data and survey locations:

- Appendix A contained the detailed traffic survey data collected from the first survey programme, which was scheduled from 9 to 22 May 2022. A summary of that data is tabulated in Appendix A of this document;
- Appendix B contained the detailed traffic survey data collected from the second survey programme, which was scheduled from 23 November to 6 December

2022. A summary of that data is also included in Appendix A of this document; and

- Appendix C: Three images showing mapped survey locations with codes for cross-referencing to the excel files. These plans are attached to this document as Appendix B.















1.1.7 Both survey programmes were undertaken during neutral months in school term time when road network conditions are broadly representative of annual average conditions. The November to December 2022 survey programme was commissioned due to changes in project construction and staff vehicle route assumptions during 2022, which necessitated further surveys.

1.1.8 Wherever scheduled traffic surveys were determined to be incomplete or unreliable due to technical issues, the survey programme was extended to generate additional data. For example, this led to some sites included in the first programme being surveyed in June and early July 2022. The dates of all surveys are clearly set out in the detailed data files and Appendices A and B of this document show the period of collection.

2. Traffic survey data

- 2.1.1 The traffic survey data was collected by Nationwide Data Collection, a data collection firm specialising in transport planning, traffic engineering and market research services.
- 2.1.2 Survey sites were identified to cover all routes on the public highway expected to be used by project construction vehicles and staff vehicles. However, routes with a peak construction period forecast of less than 24 project vehicle trips per day (construction and staff vehicles combined) were not surveyed. Project traffic impacts were assumed to be negligible along these routes regardless of background traffic levels, and it was therefore deemed disproportionate and unnecessary to undertake surveys.
- 2.1.3 The traffic survey locations are illustrated in Appendix B. The reference numbers shown on the plans match those included in the data files supplied to LHAs and which is summarised in Appendix A to this note.
- 2.1.4 Data was collected at all survey sites using Automatic Traffic Counters (ATCs). These recorded the number of vehicles passing each survey site in each direction and the speed of each vehicle in miles per hour (mph). Vehicles were categorised during the surveys as shown in Table 2-1. The spreadsheet files described in section 1.1.6 above, which were supplied to LHAs by file transfer, showed full site-by site classifications of vehicle types, but these are not included in the tables below due to practicality of data presentation.
- 2.1.5 The temporal scope for both survey programmes was to collect a full 24-hours of data per day over a period of 14 days (two full seven-day weeks) at each identified site. In some cases, the survey period was extended to compensate for issues with individual ATCs resulting in the loss of data on certain days. At each site on each survey day, traffic counts and speed data were reported for each hour during the survey period.

Table 2-1: ATC vehicle categories

Axles	Groups	Description	Class		Parameters	Dominant Vehicle	Aggregate
2	1 or 2	Very Short - Pedal Cycle	PC	1	$d(1) < 1.18\text{m}$ & $\text{axles} = 2$		1 (Light)
2	1 or 2	Very Short - Motor Cycle	MC	2	$d(1) \geq 1.18\text{m}$ $d(1) < 1.7\text{m}$ & $\text{axles} = 2$		
2	1 or 2	Short - Sedan, Wagon, 4WD, Utility, Light Van	SV	3	$d(1) \geq 1.7\text{m}$, $d(1) \leq 3.2\text{m}$ & $\text{axles} = 2$		
3, 4 or 5	3	Short Towing - Trailer, Caravan, Boat, etc.	SVT	4	$\text{groups} = 3$, $d(1) \geq 2.1\text{m}$, $d(1) \leq 3.2\text{m}$, $d(2) \geq 2.1\text{m}$ & $\text{axles} = 3, 4, 5$		
2	2	Two axle truck or Bus	TB2	5	$d(1) > 3.2\text{m}$ & $\text{axles} = 2$		
3	2	Three axle truck or Bus	TB3	6	$\text{axles} = 3$ & $\text{groups} = 2$		2 (Medium)
>3	2	Four axle truck	T4	7	$\text{axles} > 3$ & $\text{groups} = 2$		
3	3	Three axle articulated vehicle or Rigid vehicle and trailer	ART3	8	$d(1) > 3.2\text{m}$, $\text{axles} = 3$ & $\text{groups} = 3$		
4	>2	Four axle articulated vehicle or Rigid vehicle and trailer	ART4	9	$d(2) < 2.1\text{m}$ or $d(1) < 2.1\text{m}$ or $d(1) > 3.2\text{m}$ $\text{axles} = 4$ & $\text{groups} > 2$		3 (Heavy)
5	>2	Five axle articulated vehicle or Rigid vehicle and trailer	ART5	10	$d(2) < 2.1\text{m}$ or $d(1) < 2.1\text{m}$ or $d(1) > 3.2\text{m}$ $\text{axles} = 5$ & $\text{groups} > 2$		
>=6	>2	Six (or more) axle articulated vehicle or Rigid vehicle and trailer	ART6	11	$\text{axles} = 6$ & $\text{groups} > 2$ or $\text{axles} > 6$ & $\text{groups} = 3$		
>6	4	B-Double or Heavy truck and trailer	BD	12	$\text{groups} = 4$ & $\text{axles} > 6$		
>6	>=5	Double or triple road train or Heavy truck and two trailers	DRT	13	$\text{groups} \geq 5$ & $\text{axles} > 6$		
>6	>6	Triple Road Train or Heavy and three (or more) trailers	TRT	14	$\text{groups} > 6$ & $\text{axles} > 6$		

3. Use in the Transport Assessment and Environmental Statement

- 3.1.1 The collection and analysis of data was all undertaken in accordance with established guidance as described below. legislative requirements for EIA. The analysis in the TA [APP-061] and ES Chapter 12 [APP-080] is based on average weekday baseline traffic. Baseline flows for the network peak hours (08:00-09:00 and 16:00-17:00) are set out in Figure 4 in the TA [APP-061], while the daily baseline is set out in Figure 12.4 (sheets titled 'Daily Baseline Traffic') in ES Figures Part 9 [APP-154].
- 3.1.2 These baseline flows were derived from the traffic survey data described in section 1.2 by calculating an average flow during each time period on all Tuesdays, Wednesdays, and Thursdays surveyed at each site (Mondays and Fridays were excluded as traffic flows are typically lower on these days than in the middle of the week). An initial review of the survey data at each site was undertaken before this calculation to remove any outlying results that may have occurred due to abnormal road network conditions (for example arising from a temporary road closure or a traffic collision).
- 3.1.3 The ATC vehicle categories set out in Table 2-1 were simplified to 'Light' and 'Heavy' categories when converting the data for use in the TA [APP-061] and ES Chapter 12 [APP-080] to be consistent with relevant Environmental Impact Assessment (EIA) and TA guidance. This was undertaken using the definition in the 'Aggregate' column and assuming that all 'Medium' vehicles (Classes 5, 6 and 7) were classified as 'Heavy' vehicles.
- 3.1.4 The baseline traffic flows, derived from averaged survey data as described above, are then factored up to future (2025) baseline traffic flows using DfT Trip End Model Presentation Program (TEMPro) growth factors. This process is set out in Chapter 5 (section 5.4) of the TA [APP-061]. The resultant future baseline flows are summarised for the network peak hours (08:00-09:00 and 16:00-17:00) in Figure 6 in the TA [APP-061], while the daily future baseline is set out in Figure 12.4 (sheets titled 'Daily Future Baseline Traffic') in ES Figures Part 9 [APP-154].
- 3.1.5 The comparison of these future baseline traffic flows with forecast project traffic during peak construction activity was the basis for the assessment documented in the TA [APP-061] and in ES Chapter 12 [APP-080].

Appendix A – Traffic survey data

Site ref	Location	Survey period AW: Autumn/winter SS: Spring/summer	Speed Limit (mph)	Daily two-way traffic flow (vehicles): 7-day average				Equivalent AADT based on 14-day survey flow ¹ in this period	Daily 85th percentile traffic speed (mph): 7-day average				85th percentile in survey period
				Week 1	Week 2	Week 3	Week 4		Week 1	Week 2	Week 3	Week 4	
site 12	A1071/4 north of Hadleigh, 52.05585578, 0.958401637	AW 2022	60	8,478	8,599	~	~	8,539	55	54	~	~	55
site 45	A1124/1 east of Earls Colne, 51.92508065, 0.707679251	AW 2022	30	~	10,333	~	~	10,333	~	31	~	~	31
site 48	Lorkin's Lane, 51.98603316, 0.7084338	AW 2022	50	41	41	~	~	41	31	32	~	~	31
site 57	A134/2 Great Horkesley, 51.94575999, 0.875351948	AW 2022	40	9,497	9,779	~	~	9,638	39	39	~	~	39
site 58	A134/2 Nayland (south of Bear Street), 51.97010324, 0.865054568	AW 2022	40	9,792	9,817	~	~	9,805	43	43	~	~	43
site 59	A134/2 Nayland (north of Bear St), 51.97365006, 0.86196271	AW 2022	40	8,130	~	~	~	8,130	51	~	~	~	51
site 65	Via Urbis Romanae south of A12, 51.92352126, 0.902148631	AW 2022	40	22,063	22,251	~	~	22,157	33	33	~	~	33
site 66	A134/2 south of A12, 51.91722924, 0.888422663	AW 2022	30	12,943	13,133	~	~	13,038	32	32	~	~	32
site 74	Hadleigh Road, 52.02349607, 0.873779307	AW 2022	30	456	502	~	~	479	30	30	~	~	30
site 80	Via Urbis Romanae south of Axial Way, 51.91878466, 0.902618753	AW 2022	40	16,440	16,883	~	~	16,662	40	39	~	~	39
site 89	A134 Horkesley Heath, 51.92571889, 0.881443682	AW 2022	30	9,534	9,742	~	~	9,638	33	33	~	~	33
site 15	Brick Kiln Lane, 52.0066195, 0.85636943	AW 2022	60	1,352	1,415	~	~	1,384	37	37	~	~	37
site 49	Twinstead Road (west), 51.98442949, 0.698698634	AW 2022	50	330	342	~	~	336	40	40	~	~	40
site 56	A134/2 north of Old House Road, 51.93904732, 0.87570703	AW 2022	30	8,991	9,659	~	~	9,325	34	34	~	~	34
site 61	Cuckoo Hill, 51.98348184, 0.783134184	AW 2022	50	833	869	~	~	851	40	40	~	~	40
site 62	Springett's Hill, 51.98139511, 0.758485572	AW 2022	50	825	885	~	~	855	29	30	~	~	29
site 67	Station Hill, 51.97174403, 0.7705265	AW 2022	30	2,635	2,328	~	~	2,482	22	22	~	~	22
site 69	Henny Road, 51.99475025, 0.748997399	AW 2022	50	542	555	~	~	549	46	47	~	~	46
site 70	Twinstead Road (east), 51.99526726, 0.742175114	AW 2022	50	84	83	~	~	84	25	25	~	~	25
site 81	B1508 Bures Road, 52.01200227, 0.748535291	AW 2022	30	4,744	4,602	~	~	4,673	37	36	~	~	36
site 88	Twinstead Road, 51.9949537, 0.724048303	AW 2022	50	81	72	~	~	77	34	33	~	~	33
LCA04	B1508, North West of junction with The Croft, 51.976189 0.77557028	SS 2022	30	4,273	4,390	~	~	4,332	38	38	~	~	38
LCA09	B1068 North West of the Junction with B1087, 51.990649 0.89400884	SS 2022	30	2,779	2,903	~	~	2,841	24	24	~	~	24
LCA14	Lower Street South of the junction with B1113, 52.06267 1.0958523	SS 2022	30	6,000	5,965	~	~	5,983	30	30	~	~	30
LCA15	Burstall Lane West of the junction with B1113, 52.062238 1.0934877	SS 2022	30	1,602	1,510	~	~	1,556	32	32	~	~	32
LCA17	School Lane, North West of the junction with Strickmere, 51.972487 0.97956776	SS 2022	60	1,256	1,287	~	~	1,272	32	31	~	~	31
LCA18	Ship Lane, Shortly west of Mill Lane, 52.074861 1.100342	SS 2022	30	3,688	3,665	~	~	3,677	33	33	~	~	33
LCA19	Colchester Road, shortly east of Mill Field, 51.926445 0.726949	SS 2022	30	8,853	8,643	~	~	8,748	44	41	~	~	42
LCC04	A131, North of junction with Old Road, 51.999819 0.68815523	SS 2022	60	8,459	8,605	~	~	8,532	59	59	~	~	59
LCC06	A131, South of the junction with Church Road, 51.993312 0.6872117	SS 2022	60	8,109	8,259	~	~	8,184	56	52	~	~	54
LCC07	A131, North East of junction with Cock Road, 51.980327 0.67296288	SS 2022	60	7,622	~	7,537	7,693	7,617	55	~	54	55	55

Site ref	Location	Survey period AW: Autumn/winter SS: Spring/summer	Speed Limit (mph)	Daily two-way traffic flow (vehicles): 7-day average				Equivalent AADT based on 14-day	Daily 85th percentile traffic speed (mph): 7-day average				85th percentile in survey period
				Week 1	Week 2	Week 3	Week 4		survey flow ¹ in this period	Week 1	Week 2	Week 3	
LCC10	Henny Back Road, Opposite Ansell's Farm, South East of the junction with Moat Lane, 51.987244 0.72426803	SS 2022	60	57	20	~	~	39	24	24	~	~	24
LCC11	A131, North East from junction with Church Road, 52.02375 0.70584466	SS 2022	60	10,748	10,912	~	~	10,830	54	54	~	~	54
LCC12	Unnamed Road (leading from Great Henny to Henny Street) South West of junction with Henny Street, 52.007882 0.73633474	SS 2022	40	174	169	~	~	172	27	27	~	~	27
LCC16	B1508, North West of junction with Wyatts Lane, 52.003588 0.7558168	SS 2022	40	4,531	4,636	~	~	4,584	44	44	~	~	44
LCC17	Upper Road North of Stantons Farm, 52.000626 0.79105551	SS 2022	40	194	204	~	~	199	35	34	~	~	34
LCC18	Barracks Road South west of junction with Assington Street, 52.000855 0.8128236	SS 2022	30	1,246	1,312	~	~	1,279	37	36	~	~	37
LCC20	A134, South of junction with High Road, 51.989119 0.84496516	SS 2022	30	8,412	8,739	~	~	8,576	37	36	~	~	36
LCC27	Straight Road, East of junction with Heath Road, 52.022841 0.91241501	SS 2022	30	431	457	~	~	444	32	32	~	~	32
LCC31	Overbury Hall Road, Stretch of Overbury Hall Road opposite St Andrew's Church, 52.023362 0.95716061	SS 2022	30	411	696	~	~	554	27	25	~	~	26
LCC32	Overbury Hall Road, North of access point AP17, 52.028866 0.9474782	SS 2022	60	54	71	~	~	63	20	20	~	~	20
LCC33	Layham Road, North west of access point AP16, 52.029258 0.9559022	SS 2022	60	440	474	~	~	457	29	29	~	~	29
LCC40	A1071, West from the turning for Old Hall Farm, 52.054189 1.0055885	SS 2022	40	9,213	10,095	9,163	9,037	9,377	51	50	52	52	51
LCC41	A1071, East from the junction with Priory Road, 52.056598 1.0267299	SS 2022	40	9,503	10,576	9,267	9,141	9,622	38	38	38	38	38
LCC42	A1071, North west from the junction with Wilderness Hill/Duke Street, 52.049699 1.0354825	SS 2022	40	9,531	10,460	9,273	9,086	9,588	33	33	34	34	33
LCC47	Rectory Lane, East of the junction with Church Road, 52.000464 0.66416777	SS 2022	30	38	49	~	~	44	21	21	~	~	21
LCC49	Old Road, Junction with A131, 51.989027 0.68662002	SS 2022	60	1,295	1,218	~	~	1,257	40	39	~	~	39
LCC51	Middleton Road, South east of the junction with A131, 52.033153 0.71615261	SS 2022	30	2,347	2,440	~	~	2,394	28	28	~	~	28
LCC56	A1071, Junction with A134, 52.025201 0.80898685	SS 2022	60	6,561	6,953	~	~	6,757	34	33	~	~	33
LCC60	A1071, East from the junction with Hadleigh Heath, 52.036486 0.91381262	SS 2022	60	7,295	7,643	~	~	7,469	41	42	~	~	42
LCC61	A1071, East side of the roundabout with B1070, 52.052358 0.9729762	SS 2022	60	9,300	10,183	9,251	9,077	9,453	50	50	48	48	49
LCC67	B1508, North side of the Junction with Bured Road, 52.024073 0.74507881	SS 2022	30	5,995	6,151	~	~	6,073	32	32	~	~	32
LCC68	Middleton Road, North of Henny Street, 52.020979 0.73776114	SS 2022	60	504	~	~	~	504	42	~	~	~	42
LCC71	Head Lane, North side of the junction with Rugby Road, 52.026135 0.7465172	SS 2022	30	5,226	5,304	~	~	5,265	30	30	~	~	30
LCC74	A134, East from the junction with Rectory Road, 52.031268 0.79362037	SS 2022	30	13,953	14,651	~	~	14,302	34	34	~	~	34
LCC75	Barracks Road, East from the junction with Assington Street, 52.001731 0.81754126	SS 2022	40	499	477	~	~	488	28	35	~	~	31
LCC82	Duke Street, South West of the junction with Back Road, 52.04851 1.0351977	SS 2022	30	2,539	2,208	~	~	2,374	33	34	~	~	34
LCC83	A1071, North West of the junction with Poplar Lane, 52.048196 1.1035012	SS 2022	40	9,757	10,520	~	~	10,139	43	43	~	~	43
LCC87	A131 High Garrett, North of Church Street / Lyons Hall Road crossroads, 51.906755 0.574648	SS 2022	40	21,405	21,533	~	~	21,469	39	40	~	~	39

Site ref	Location	Survey period AW: Autumn/winter SS: Spring/summer	Speed Limit (mph)	Daily two-way traffic flow (vehicles): 7-day average				Equivalent AADT based on 14-day	Daily 85th percentile traffic speed (mph): 7-day average				85th percentile in survey period
				Week 1	Week 2	Week 3	Week 4		survey flow ¹ in this period	Week 1	Week 2	Week 3	
LCC88	A131 Halstead Road, North of Foley Corner on A131, 51.916447 0.589006	SS 2022	60	11,586	12,388	~	~	11,987	50	50	~	~	50
LCC91	A1017 The Street, Shortly south of Church Road, 51.936203 0.592423	SS 2022	30	8,757	8,934	~	~	8,846	30	30	~	~	30
LCC93	Hedingham Road, shortly north of Starlings Hill, 51.956646 0.596777	SS 2022	60	7,632	8,295	~	~	7,964	48	77	~	~	63
LCC96	Swan Street, Sible Hedingham, 51.976272 0.593293	SS 2022	30	11,844	12,264	~	~	12,054	31	31	~	~	31
LCC100	Queen Street Centre of Castle Hedingham, 51.989399 0.598376	SS 2022	30	3,312	3,501	~	~	3,407	17	17	~	~	17
LCC101	Sudbury Road, East of Castle Hedingham, 51.995148 0.618818	SS 2022	60	2,874	3,147	~	~	3,011	44	44	~	~	44
LCC102	A131 High Street Halstead town centre, 51.945012 0.638393	SS 2022	30	16,161	15,926	~	~	16,044	23	23	~	~	23
LCC104	A131 Head Street, Shortly North of Halstead town centre, 51.947394 0.642816	SS 2022	30	11,602	11,278	~	~	11,440	30	30	~	~	30
LCC105	Colchester Road, East of Halstead town centre, 51.937709 0.65443	SS 2022	30	10,897	10,801	~	~	10,849	37	38	~	~	38
LCC107	A131 Sudbury Road, North of Halstead town centre, 51.961771 0.654455	SS 2022	60	8,464	8,263	~	~	8,364	56	52	~	~	54
LCC108	A131 Sudbury Road, Shortly South of School Road, 51.971479 0.663696	SS 2022	60	8,502	8,376	~	~	8,439	51	49	~	~	50
LCC109	High Street, Earls Colne, High Street	SS 2022	30	12,419	12,607	~	~	12,513	30	30	~	~	30
LCC110	Halstead Road, West of Earls Colne, 51.928477 0.691161	SS 2022	30	10,747	10,735	~	~	10,741	34	34	~	~	34
LCC113	Station Road, Station Road / Parkhurst Green Lane Crossroads, 51.944313 0.734268	SS 2022	60	1,190	1,257	~	~	1,224	46	46	~	~	46
LCC114	East of Great Henny, 52.001683 0.727177	SS 2022	40	36	37	~	~	37	20	20	~	~	20
LCC117	Northern Road, shortly north of junction with A131, 52.040984 0.752311	SS 2022	30	16,779	16,877	~	~	16,828	31	31	~	~	31
LCC118	A131 Girling Street, north of King Street Roundabout, 52.039672 0.733031	SS 2022	30	12,929	12,855	~	~	12,892	27	27	~	~	27
LCC120	A131 Melford Road, shortly South of A131/A134 roundabout, 52.053439 0.716733	SS 2022	30	12,698	12,621	~	~	12,660	39	39	~	~	39
LCC122	A131 Newton Road, East of King Street Roundabout, 52.038785 0.73689	SS 2022	30	7,739	7,441	~	~	7,590	37	36	~	~	36
LCC123	Cornard Road, South of King Street Roundabout, 52.037049 0.736044	SS 2022	30	11,295	11,412	~	~	11,354	32	32	~	~	32
LCC124	A131 King Street, West of King Street Roundabout, 52.038418 0.732515	SS 2022	30	11,815	10,757	~	~	11,286	22	23	~	~	23
LCC125	A131 Gainsborough Street, Short of Gregory Street A131, 52.038132 0.728945	SS 2022	30	10,769	12,899	~	~	11,834	24	21	~	~	22
LCC126	A131 Stour Street, Close to Plough Lane, 52.03807 0.725355	SS 2022	30	11,666	11,879	~	~	11,773	30	30	~	~	30
LCC127	A131 Gregory Street, South of Walnut Tree Lane, 52.03924 0.72656	SS 2022	30	11,034	11,189	~	~	11,112	32	32	~	~	32
LCC128	Lorraine Way, Shortly North of Bramford village, 52.079214 1.092296	SS 2022	40	5,052	5,403	~	~	5,228	37	44	~	~	40
LCC130	Gallows Hill, shortly north of Castle Lane, 52.050796 0.945936	SS 2022	30	3,443	3,921	~	~	3,682	38	38	~	~	38
LCC131	Bridge Street, shortly south of junction with Corks Lane, 52.047601 0.949259	SS 2022	30	4,900	5,263	~	~	5,082	30	30	~	~	30
LCC132	High Street, shortly south of junction with Manor Gardens, 52.045782 0.952111	SS 2022	30	8,318	8,679	~	~	8,499	26	26	~	~	26
LCC133	High Street, Hadleigh Town Centre, 52.042826 0.954575	SS 2022	30	5,597	5,808	~	~	5,703	27	26	~	~	27
LCC134	Station Road, shortly east of Hadleigh Town Centre, 52.041439 0.957756	SS 2022	30	4,009	4,086	~	~	4,048	28	28	~	~	28

Site ref	Location	Survey period AW: Autumn/winter SS: Spring/summer	Speed Limit (mph)	Daily two-way traffic flow (vehicles): 7-day average				Equivalent AADT based on 14-day	Daily 85th percentile traffic speed (mph): 7-day average				85th percentile in survey period
				Week 1	Week 2	Week 3	Week 4		survey flow ¹ in this period	Week 1	Week 2	Week 3	
LCC135	Layham Road, west of Hadleigh Rugby Club, 52.037709 0.952228	SS 2022	60	571	838	~	~	705	26	24	~	~	25
LCC136	Duke Street, Shortly west of Hadleigh Town Centre, 52.041354 0.952452	SS 2022	30	1,057	1,195	~	~	1,126	25	27	~	~	26
LCC137	Station Road, East of Hadleigh Town Centre, 52.041162 0.965389	SS 2022	30	2,408	2,026	~	~	2,217	31	31	~	~	31
LCC138	Hook Lane, South of Pond Hall Road, 52.037404 0.972437	SS 2022	30	181	163	~	~	172	30	33	~	~	31
LCC139	High Street, shortly south of Hadleigh Town Centre, 52.03972 0.956592	SS 2022	30	4,714	4,891	~	~	4,803	26	26	~	~	26
LCC140	Lady Lane, South of the Ipswich Road/Lady Lane roundabout, 52.052143 0.969336	SS 2022	30	4,869	5,597	~	~	5,233	31	31	~	~	31
LCC141	Angel Street, shortly west of Threadneedle Street, 52.046617 0.956963	SS 2022	30	4,039	4,612	~	~	4,326	30	30	~	~	30
LCC142	Clay Hill, Great Henny Village Centre, 52.0069169 0.7144774	SS 2022	40	177	173	~	~	175	24	24	~	~	24
LCC143	A131 Mount Hill, South Halstead, 51.939298 0.626992	SS 2022	30	11,989	12,546	~	~	12,268	36	37	~	~	37
LCC144	A131, North of A131 / A120 roundabout, 51.883389, 0.584499	SS 2022	60	17,841	17,462	~	~	17,652	48	48	~	~	48
LCA01	B1508 North West of junction with Normandie Way	SS 2022	30	4,719	4,780	~	~	4,750	37	37	~	~	37
LCA02	B1508 West of junction with Wharf Lane	SS 2022	30	5,620	5,785	~	~	5,703	26	25	~	~	25
LCA03	Cuckoo Hill North East of junction with Friends Field	SS 2022	30	1,003	1,070	~	~	1,037	30	30	~	~	30
LCA05	A131 At the junction with Alexandra Road	SS 2022	30	8,889	8,605	~	~	8,747	35	34	~	~	35
LCA06	A134 At the junction with Stanley Wood Avenue	SS 2022	40	15,364	16,460	~	~	15,912	40	41	~	~	40
LCA07	A131 South East of junction with Abbey Road	SS 2022	30	12,063	12,087	~	~	12,075	35	35	~	~	35
LCC01	Broad South West of junction with Church Road	SS 2022	60	2,967	3,252	~	~	3,110	52	52	~	~	52
LCC02	Church Road South East of the junction with Hedingham Road	SS 2022	60	645	639	~	~	642	34	34	~	~	34
LCC03	Hedingham Road East from junction with the road leading to Bulmer Brick and Tile Co.	SS 2022	60	2,761	3,076	~	~	2,919	50	49	~	~	49
LCC05	Old Road West of junction with A131	SS 2022	60	161	231	~	~	196	35	34	~	~	34
LCC08	Pebmarsh Road South West of junction with Twinstead Road	SS 2022	60	230	326	~	~	278	38	37	~	~	37
LCC09	Cripple Corner East of junction with Bishops Lane	SS 2022	60	148	116	~	~	132	27	27	~	~	27
LCC13	Lamarsh Hill Section of Lamarsh Hill that leads on Henny Street	SS 2022	40	528	581	~	~	555	41	41	~	~	41
LCC14	Lamarsh Hill South of junction with Bombose Lane	SS 2022	60	809	828	~	~	819	40	40	~	~	40
LCC15	B1508 Opposite Fulbroch Dairy, South East of the junction with Spout Lane	SS 2022	40	4,273	4,395	~	~	4,334	45	45	~	~	45
LCC19	High Road South east of junction with Barracks Road	SS 2022	60	208	216	~	~	212	31	31	~	~	31
LCC21	B1068 East of junction with The Old Road	SS 2022	30	3,412	3,600	~	~	3,506	33	33	~	~	33
LCC22	B1068 West of Keepers Lane	SS 2022	40	2,861	2,988	~	~	2,925	48	47	~	~	48
LCC23	A134 North west of the junction with Marshalls Green	SS 2022	60	8,527	8,635	~	~	8,581	49	49	~	~	49
LCC24	Holt Road North east of junction with Whitestreet Green	SS 2022	40	437	459	~	~	448	34	34	~	~	34

Site ref	Location	Survey period AW: Autumn/winter SS: Spring/summer	Speed Limit (mph)	Daily two-way traffic flow (vehicles): 7-day average				Equivalent AADT based on 14-day	Daily 85th percentile traffic speed (mph): 7-day average				85th percentile in survey period
				Week 1	Week 2	Week 3	Week 4		survey flow ¹ in this period	Week 1	Week 2	Week 3	
LCC25	Holt Road South of junction with A1071	SS 2022	40	667	675	~	~	671	36	35	~	~	35
LCC26	Heath Road South of junction with Straight Road	SS 2022	30	283	297	~	~	290	28	28	~	~	28
LCC28	Millwood Road South of junction with Popes Green Lane	SS 2022	40	219	237	~	~	228	32	31	~	~	32
LCC29	Stackwood Road North of junction with Straight Road	SS 2022	30	422	466	~	~	444	36	35	~	~	35
LCC30	Rands Road South west of junction with Overbury Hall Road	SS 2022	60	112	290	~	~	201	28	26	~	~	27
LCC34	B1070 South of of the junction with Hook Lane	SS 2022	40	4,341	4,541	~	~	4,441	37	37	~	~	37
LCC35	B1070 North west of the junction with Rayworth Park	SS 2022	30	4,159	4,339	~	~	4,249	34	33	~	~	34
LCC46	A1071 North east of the roundabout with the B1113	SS 2022	60	11,566	11,920	~	~	11,743	52	51	~	~	51
LCC48	Park Road Junction with Old Road	SS 2022	30	581	548	~	~	565	32	31	~	~	32
LCC50	Moat Lane Junction with Alphamstone Back Road	SS 2022	30	23	19	~	~	21	17	14	~	~	16
LCC52	Church Road South of Lodge Farm	SS 2022	40	498	585	~	~	542	36	36	~	~	36
LCC53	Shawlands Avenue South of junction with A131	SS 2022	40	10,971	11,084	~	~	11,028	31	31	~	~	31
LCC54	A134 Approach to the Sudbury Roundabout	SS 2022	40	11,987	12,141	~	~	12,064	36	36	~	~	36
LCC55	Assington Street Assington Village	SS 2022	30	1,305	1,354	~	~	1,330	33	33	~	~	33
LCC57	A134 South of Junction with A134	SS 2022	50	9,435	9,550	~	~	9,493	51	51	~	~	51
LCC58	A1071 North east of the turning for Cherry Tree Cottage	SS 2022	60	6,984	7,629	~	~	7,307	57	56	~	~	56
LCC59	A1071 South east of the junction with A1141	SS 2022	60	6,441	6,855	~	~	6,648	56	56	~	~	56
LCC62	B1070 Underneath the A12 bridge	SS 2022	60	7,369	7,136	~	~	7,253	50	50	~	~	50
LCC64	A1071 Junction with Weshbrook Road	SS 2022	30	11,821	12,188	~	~	12,005	31	30	~	~	31
LCC65	B1070 North of Raydon	SS 2022	60	4,053	4,247	~	~	4,150	41	41	~	~	41
LCC66	Station Road South of the access for E G Doe & Son	SS 2022	60	1,020	1,110	~	~	1,065	34	34	~	~	34
LCC69	Henny Road South of junction with Alphamstone Road	SS 2022	30	728	760	~	~	744	31	31	~	~	31
LCC70	Parsonage Hull South of the junction with Station Hill	SS 2022	30	1,484	1,628	~	~	1,556	30	30	~	~	30
LCC72	Canhams Road North East of the junction with The Drift	SS 2022	30	6,985	7,130	~	~	7,058	32	32	~	~	32
LCC73	Shawlands Avenue South east of the junction with Raydon Way	SS 2022	30	7,785	7,867	~	~	7,826	36	36	~	~	36
LCC76	A1071 West from the junction with Stone Street	SS 2022	60	6,438	6,859	~	~	6,649	47	47	~	~	47
LCC77	White Street Green South East from The Drift	SS 2022	30	341	355	~	~	348	25	25	~	~	25
LCC78	A1071 West from the Junction with Hadleigh Heath	SS 2022	60	6,959	7,590	~	~	7,275	47	47	~	~	47
LCC79	Rands Road South East from the junction with A1071	SS 2022	60	277	569	~	~	423	44	42	~	~	43
LCC80	B1070 South of the junction with Water Farm Drive	SS 2022	30	4,315	4,483	~	~	4,399	34	34	~	~	34
LCC81	B1070 South east of the junction with Rose Acre	SS 2022	30	5,748	5,924	~	~	5,836	35	34	~	~	35

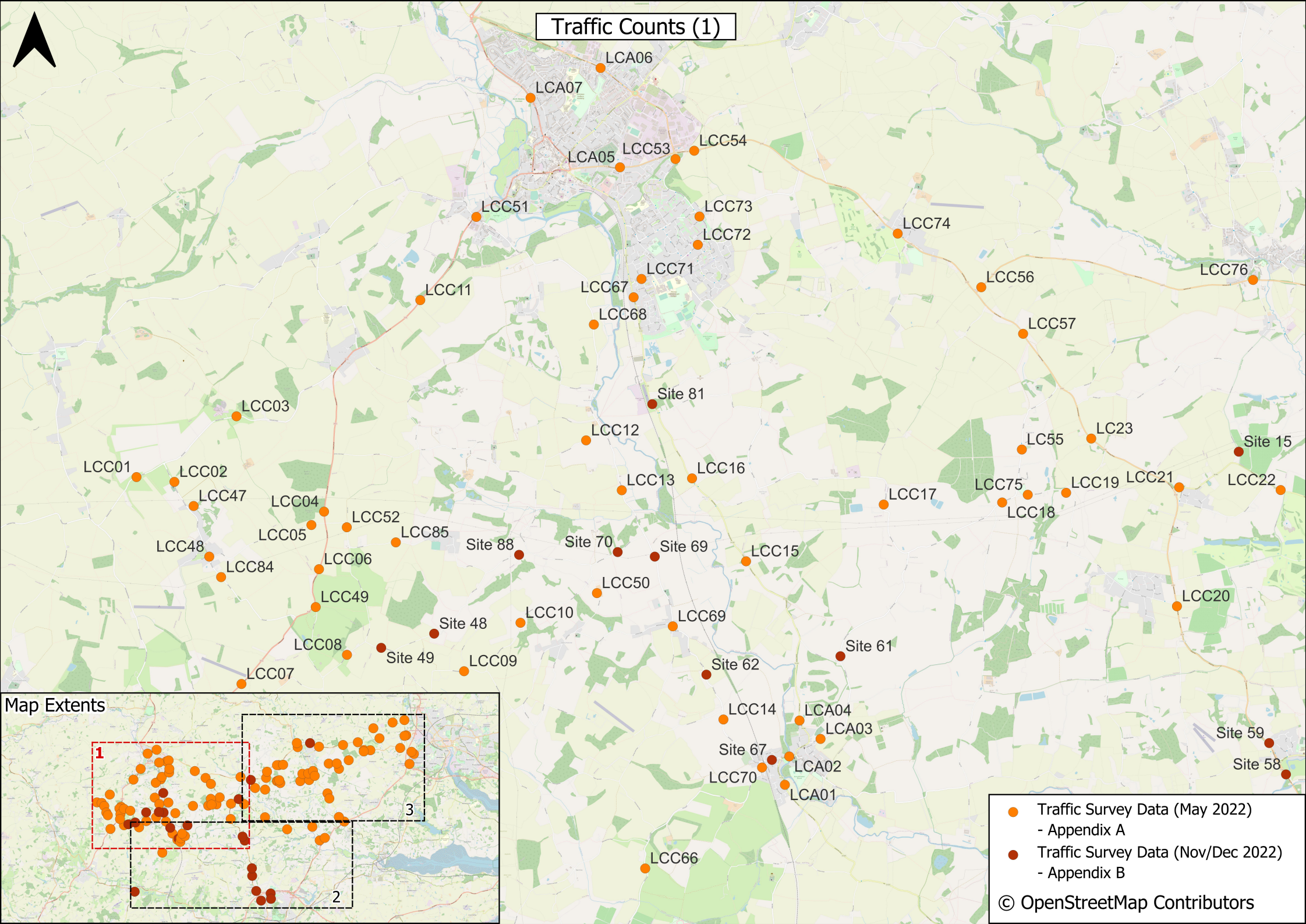
Site ref	Location	Survey period AW: Autumn/winter SS: Spring/summer	Speed Limit (mph)	Daily two-way traffic flow (vehicles): 7-day average				Equivalent AADT based on 14-day	Daily 85th percentile traffic speed (mph): 7-day average				85th percentile in survey period
				Week 1	Week 2	Week 3	Week 4		survey flow ¹ in this period	Week 1	Week 2	Week 3	
LCC84	Park Road South of the junction with Old Road	SS 2022	60	577	500	~	~	539	40	39	~	~	39
LCC85	Church Road East of the junction with Pebmarsh Road	SS 2022	60	202	190	~	~	196	31	30	~	~	30
LCA08	A1141 At junction with Stone Street Court. Lat: 52.055938, Long: 0.93951541	SS 2022	40	5,630	5,675	~	~	5,653	39	39	~	~	39
LCA10	Bullen Lane Half way between the B1113 and Bullenhall Farm. Lat: 52.073935 Long: 1.0764468	SS 2022	60	185	145	~	~	165	37	38	~	~	37
LCA11	B1068 West of the junction with Hudsons Lane. Lat: 51.980029 Long: 0.92559808	SS 2022	30	2,531	2,658	~	~	2,595	36	35	~	~	36
LCA12	B1068 South West of the junction with Hadleigh Road. Lat: 51.98222 Long: 0.9617018	SS 2022	30	1,597	1,702	~	~	1,650	28	28	~	~	28
LCA13	Higham Road North of the junction with Upper Street. Lat: 51.970272 Long: 0.97221293	SS 2022	30	1,259	1,278	~	~	1,269	26	26	~	~	26
LCA16	B1113 South of the junction with Bullen Lane. Lat: 52.076065 Long: 1.0933641	SS 2022	40	5,029	5,311	~	~	5,170	36	42	~	~	39
LCC36	Pond Hall Road. Lat: 52.03782, Long: 0.98513776	SS 2022	60	2,241	2,037	~	~	2,139	43	43	~	~	43
LCC37	Clay Lane North east from the junction with Woodlands Road. Lat: 52.033229, Long: 0.99979265	SS 2022	60	394	398	~	~	396	35	35	~	~	35
LCC38	Pond Hall Road East from the junction with Clay Lane. Lat: 52.037979, Long: 0.99656708	SS 2022	60	1,902	1,674	~	~	1,788	46	45	~	~	46
LCC39	Pond Hall Road West from the junction with Clay Hill. Lat: 52.040816. Long: 1.0136892	SS 2022	60	1,878	1,677	~	~	1,778	41	41	~	~	41
LCC43	Orchard Lands North of the junction with Burstallhill. Lat: 52.068894, Long: 1.0489705	SS 2022	60	13	11	~	~	12	22	21	~	~	22
LCC44	The Street Opposite St Mary's Church, East of the junction with Grange Drive. Lat: 52.060043. Long: 1.0577054	SS 2022	30	1,030	572	~	~	801	30	28	~	~	29
LCC45	A1214 Approach to Copdock Roundabout	SS 2022	70	9,224	9,886	~	~	9,555	29	34	~	~	31
LCC63	A1214 Junction with A1071	SS 2022	40	7,340	6,273	~	~	6,807	39	34	~	~	37
LCC86	A131 Broad Road Shortly North of Broad Road / A131 roundabout. Lat: 51.900741 Lon: 0.56982	SS 2022	40	22,173	22,402	~	~	22,288	36	36	~	~	36
LCC89	Gosfield Road North of Foley Corner on A1017. Lat: 51.917612 Long: 0.583865	SS 2022	60	8,370	8,668	~	~	8,519	49	49	~	~	49
LCC90	Braintree Road Shortly north of Peterfield's Lane. Lat: 51.926077 Long: 0.590929	SS 2022	40	8,541	8,930	~	~	8,736	43	44	~	~	43
LCC92	A1017 The Street Shortly north of Church Road. Lat: 51.937415 Long: 0.591539	SS 2022	30	9,512	9,855	~	~	9,684	36	36	~	~	36
LCC94	Hedingham Road South of Braintree Corner. Lat: 51.96428 Long: 0.598892	SS 2022	60	7,629	8,068	~	~	7,849	39	39	~	~	39
LCC95	Queen Street North of Braintree Corner. Lat: 51.967632 Long: 0.598396	SS 2022	30	11,480	12,439	~	~	11,960	37	37	~	~	37
LCC97	Yeldham Road Shortly north of Sible Hedingham. Lat: 51.983093 Long: 0.588426	SS 2022	30	9,084	9,195	~	~	9,140	37	37	~	~	37
LCC98	Station Road East of Yeldham Road. Lat: 51.982927 Long: 0.590245	SS 2022	30	4,264	4,400	~	~	4,332	31	31	~	~	31
LCC99	Dickett's Hill Shortly north of Castle Hedingham Heritage Station. Lat: 51.994971 Long: 0.581756	SS 2022	60	8,615	8,670	~	~	8,643	56	57	~	~	57

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				Week 1	Week 2	Week 3	Week 4		survey flow ¹ in this period	Week 1	Week 2	Week 3	
LCC103	Bournebridge Hill South of Halstead town centre. Lat: 51.925194 Long: 0.613932	SS 2022	60	12,676	12,671	~	~	12,674	40	40	~	~	40
LCC106	Colchester Road Shortly east of Halstead town centre. Lat: 51.943129 Long: 0.646427	SS 2022	30	12,270	12,166	~	~	12,218	32	31	~	~	32
LCC111	Colchester Road White Colne. Lat: 51.92813 Long: 0.719471	SS 2022	30	8,971	8,759	~	~	8,865	36	36	~	~	36
LCC112	Bures Road Shortly North of White Colne. Long: 51.930301 Lat: 0.720658	SS 2022	60	1,265	1,317	~	~	1,291	38	38	~	~	38
LCC115	Watery Lane West of Great Henny. Lat: 52.0063213 Long: 0.6945813	SS 2022	30	142	140	~	~	141	36	35	~	~	35
LCC116	Bures Road West of Head Lane. Lat: 52.026002 Long: 0.744329	SS 2022	30	6,435	6,486	~	~	6,461	33	33	~	~	33
LCC119	A134 Shortly East of A131/A134 roundabout	SS 2022	50	6,887	6,265	~	~	6,576	57	50	~	~	54
LCC121	A134 Shortly North of A131/A134 roundabout	SS 2022	60	4,503	3,951	~	~	4,227	56	51	~	~	53
LCC129	Bramford Road West of Bramford Road junction with A14	SS 2022	50	7,296	5,517	~	~	6,406	47	38	~	~	43

¹ Figures in italics where local conditions made a shorter or longer survey period appropriate for a small number of locations

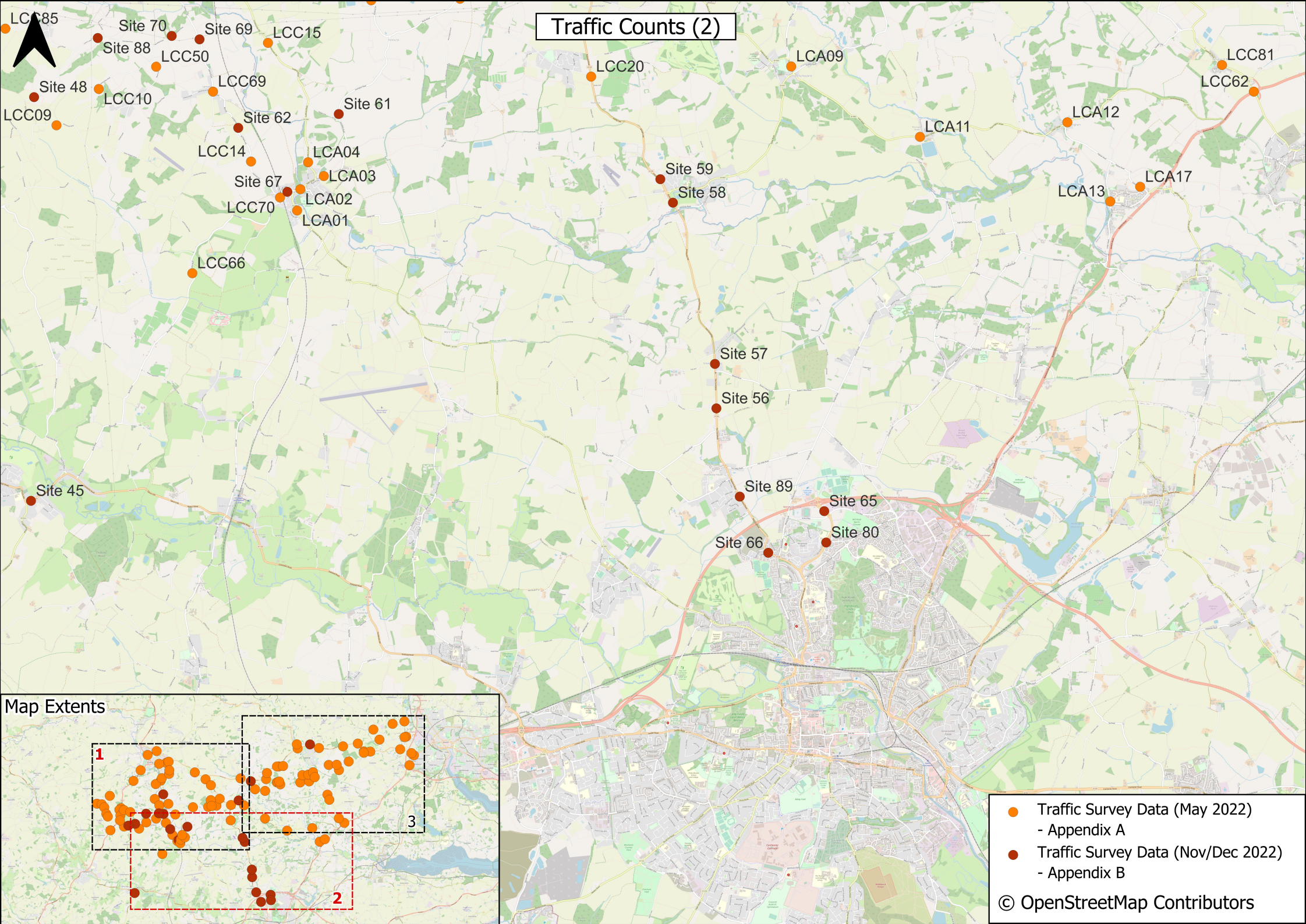
Appendix B – Traffic survey locations

Traffic Counts (1)

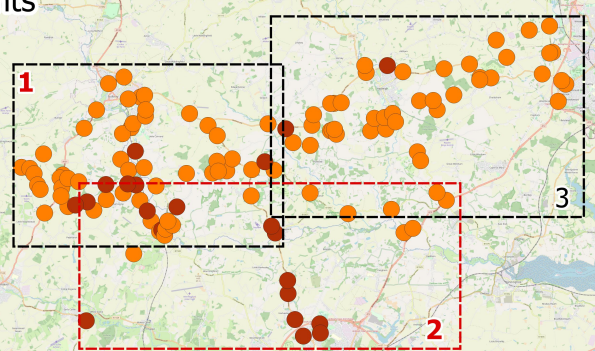


- Traffic Survey Data (May 2022)
- Appendix A
 - Traffic Survey Data (Nov/Dec 2022)
- Appendix B
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Traffic Counts (2)



Map Extents



- Traffic Survey Data (May 2022)
- Appendix A
 - Traffic Survey Data (Nov/Dec 2022)
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