Lucan Village Parking Study

1. Overview

A parking study was undertaken in Lucan Village by Tracsis Traffic Data Ltd. The study used stationary cameras to record parking usage, availability, duration, and vehicle type and took place between 06:00 and midnight from Monday 29th November 2021 to Sunday 5th December 2021. The study concentrated on five areas which are listed be and can be seen in **Section 3**:

- S1 – Study Area 1: Old Lucan Road
- S2 – Study Area 2: Main Street
- S3 – Study Area 3: Dispensary Lane
- S4 – Study Area 4: The Mall (west)
- S5 – Study Area 5: The Mall (east)

The raw data package is included as an appendix to this document. The data package contains detailed information on the study areas, location of the monitoring cameras, the categorization of roadside space in the study areas, the occupancy of spaces throughout the day, vehicle type, the use of spaces (parking, loading, bus stopping, parcel pickup/ delivery), the turnover of parking through the day, the duration of stay for each vehicle, etc.

Table 01 and **Table 02** overleaf show summaries of the data as it relates to availability of parking in each of the five study areas throughout each day of the study week. The data in the summary tables is limited to standard parking spaces i.e., omitting accessible, loading, taxi spaces etc. The data is presented as percentage availability each hour (**Table 01**) and number of spaces available each hour (**Table 02**). Cells coloured yellow have availability between 50% and 25%; cells coloured red have availability lower than 25%; cells not coloured have availability greater than 50%.

Some observations from the summary data are as follows:

- As would be expected, there is not even usage of spaces from one area to the next, throughout the day, or from day to day.

- Study Area 2: Main Street (S2) is the most used area from a parking perspective; followed by area Study Area 5: The Mall (east) (S5)

- The highest demand was in the mid-morning to lunchtime period although demand remained strong into the evening in area Study Area 2: Main Street (S2)

- In no hour in the week was there no parking available, either in the wider study area or in the sub-areas. The lowest availability was 18% at Study Area 2: Main Street (S2) and 17% at Study Area 5: The Mall (east) (S5) which meant there were 8/43 and 5/33 standard spaces available at the highest demand times.

- Taking the entire study area, the time of highest demand during the week was Saturday 11:00 when the availability was 27% (44/169 spaces). Excluding the weekend, the max occupancy was Friday 10:00 which had similar usage to Saturday 11:00

Table 01 – Parking Data Summarised by percentage of spaces available

Date	Area	Type	Capacity (Mins)	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
Mon 29/11/2021	S1	Regular	2700	93%	92%	92%	74%	55%	49%	45%	57%	68%	62%	68%	73%	63%	64%	85%	93%	95%	95%
Tue 30/11/2021	S1	Regular	2700	95%	93%	93%	78%	65%	46%	57%	61%	68%	69%	65%	82%	92%	85%	81%	92%	96%	97%
Wed 01/12/2021	S1	Regular	2700	97%	95%	95%	74%	60%	57%	57%	63%	59%	61%	61%	67%	75%	74%	77%	84%	93%	96%
Thu 02/12/2021	S1	Regular	2700	94%	94%	92%	68%	52%	47%	42%	40%	52%	47%	54%	55%	54%	71%	79%	80%	86%	88%
Fri 03/12/2021	S1	Regular	2700	98%	99%	94%	65%	35%	39%	47%	57%	54%	50%	60%	62%	68%	61%	70%	80%	86%	91%
Sat 04/12/2021	S1	Regular	2700	98%	98%	94%	58%	35%	34%	25%	31%	41%	35%	53%	57%	60%	64%	60%	61%	64%	71%
Sun 05/12/2021	S1	Regular	2700	84%	84%	83%	68%	63%	58%	60%	51%	52%	62%	61%	66%	68%	75%	78%	89%	92%	94%
Mon 29/11/2021	S2	Regular	2580	83%	76%	74%	49%	26%	24%	20%	20%	26%	30%	32%	35%	47%	47%	52%	68%	80%	82%
Tue 30/11/2021	S2	Regular	2580	88%	85%	74%	39%	18%	20%	28%	29%	30%	25%	28%	28%	32%	31%	42%	66%	80%	85%
Wed 01/12/2021	S2	Regular	2580	89%	86%	80%	33%	30%	36%	29%	27%	29%	28%	25%	40%	32%	30%	33%	53%	76%	88%
Thu 02/12/2021	S2	Regular	2580	91%	85%	80%	37%	38%	41%	37%	30%	39%	29%	32%	39%	35%	28%	25%	33%	50%	65%
Fri 03/12/2021	S2	Regular	2580	89%	84%	74%	46%	31%	28%	25%	37%	32%	30%	32%	31%	27%	25%	28%	31%	46%	51%
Sat 04/12/2021	S2	Regular	2580	94%	87%	83%	48%	37%	30%	31%	34%	47%	44%	37%	39%	30%	41%	39%	38%	43%	47%
Sun 05/12/2021	S2	Regular	2580	63%	55%	52%	45%	36%	18%	22%	23%	18%	20%	21%	21%	36%	39%	49%	55%	75%	76%
Mon 29/11/2021	S3	Regular	300	99%	88%	77%	49%	56%	42%	45%	54%	55%	44%	46%	73%	80%	78%	95%	93%	100%	100%
Tue 30/11/2021	S3	Regular	300	96%	85%	77%	52%	48%	47%	57%	51%	86%	60%	47%	55%	63%	62%	43%	75%	83%	97%
Wed 01/12/2021	S3	Regular	300	95%	88%	78%	49%	54%	45%	51%	49%	63%	57%	58%	80%	68%	65%	58%	75%	94%	87%
Thu 02/12/2021	S3	Regular	300	77%	69%	71%	41%	40%	51%	60%	59%	79%	48%	51%	61%	82%	61%	66%	68%	66%	92%
Fri 03/12/2021	S3	Regular	300	99%	87%	70%	55%	47%	54%	46%	53%	47%	52%	68%	56%	54%	51%	62%	51%	54%	59%
Sat 04/12/2021	S3	Regular	300	99%	100%	98%	82%	74%	66%	70%	65%	78%	60%	60%	62%	63%	60%	60%	60%	59%	60%
Sun 05/12/2021	S3	Regular	300	100%	100%	92%	80%	80%	80%	80%	61%	62%	52%	40%	40%	47%	55%	40%	47%	76%	79%
Mon 29/11/2021	S4	Regular	2580	95%	93%	94%	77%	55%	36%	36%	43%	44%	48%	55%	57%	58%	61%	61%	81%	90%	92%
Tue 30/11/2021	S4	Regular	2580	93%	92%	90%	64%	36%	26%	32%	48%	55%	49%	46%	58%	59%	57%	75%	85%	93%	92%
Wed 01/12/2021	S4	Regular	2580	95%	94%	92%	72%	50%	41%	40%	49%	45%	45%	60%	64%	63%	53%	65%	76%	87%	90%
Thu 02/12/2021	S4	Regular	2580	95%	94%	93%	71%	32%	38%	35%	39%	41%	35%	40%	46%	52%	44%	51%	72%	78%	75%
Fri 03/12/2021	S4	Regular	2580	97%	92%	91%	44%	24%	25%	32%	45%	45%	38%	53%	47%	56%	64%	58%	63%	73%	73%
Sat 04/12/2021	S4	Regular	2580	91%	90%	82%	54%	37%	23%	33%	38%	36%	45%	43%	47%	47%	32%	39%	39%	51%	56%
Sun 05/12/2021	S4	Regular	2580	84%	84%	81%	76%	65%	42%	45%	52%	59%	54%	61%	61%	71%	85%	85%	85%	86%	90%
Mon 29/11/2021	S5	Regular	1980	98%	91%	71%	49%	39%	41%	38%	37%	36%	41%	47%	70%	72%	62%	79%	85%	91%	95%
Tue 30/11/2021	S5	Regular	1980	99%	84%	59%	38%	39%	33%	31%	54%	47%	38%	54%	65%	70%	77%	85%	88%	88%	91%
Wed 01/12/2021	S5	Regular	1980	92%	82%	55%	36%	24%	23%	27%	35%	47%	59%	61%	71%	76%	63%	70%	88%	91%	94%
Thu 02/12/2021	S5	Regular	1980	95%	84%	49%	35%	20%	28%	25%	35%	33%	36%	41%	41%	52%	68%	76%	88%	99%	99%
Fri 03/12/2021	S5	Regular	1980	94%	84%	43%	22%	18%	18%	24%	18%	27%	34%	37%	57%	56%	70%	84%	86%	87%	91%
Sat 04/12/2021	S5	Regular	1980	93%	88%	50%	22%	17%	15%	26%	21%	36%	40%	33%	61%	79%	77%	83%	91%	94%	96%
Sun 05/12/2021	S5	Regular	1980	100%	99%	100%	90%	46%	38%	32%	62%	63%	66%	66%	75%	80%	83%	84%	89%	94%	92%

South Dublin County Council
Lucan Public Realm - Part 8 Public Consultation
Village Green & Main Street

Table 02 – Parking Data Summarised by number of spaces available

Date	Area	Type	Capacity (no.)	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
Mon 29/11/2021	S1	Regular	45	42	42	41	33	25	22	20	26	30	28	31	33	28	29	38	42	43	43
Tue 30/11/2021	S1	Regular	45	43	42	42	35	29	21	26	27	31	31	29	37	41	38	37	41	43	44
Wed 01/12/2021	S1	Regular	45	44	43	43	33	27	26	26	28	27	27	27	30	34	33	34	38	42	43
Thu 02/12/2021	S1	Regular	45	42	42	41	30	24	21	19	18	24	21	24	25	24	32	35	36	39	40
Fri 03/12/2021	S1	Regular	45	44	44	42	29	16	17	21	26	24	23	27	28	31	28	32	36	39	41
Sat 04/12/2021	S1	Regular	45	44	44	42	26	16	15	11	14	19	16	24	26	27	29	27	28	29	32
Sun 05/12/2021	S1	Regular	45	38	38	37	31	29	26	27	23	23	28	27	30	30	34	35	40	41	42
Mon 29/11/2021	S2	Regular	43	36	33	32	21	11	10	8	9	11	13	14	15	20	20	22	29	34	35
Tue 30/11/2021	S2	Regular	43	38	37	32	17	8	9	12	12	13	11	12	12	14	13	18	29	35	37
Wed 01/12/2021	S2	Regular	43	38	37	34	14	13	16	12	12	13	12	11	17	14	13	14	23	33	38
Thu 02/12/2021	S2	Regular	43	39	37	35	16	17	18	16	13	17	13	14	17	15	12	11	14	21	28
Fri 03/12/2021	S2	Regular	43	38	36	32	20	13	12	11	16	14	13	14	14	11	11	12	13	20	22
Sat 04/12/2021	S2	Regular	43	40	37	36	21	16	13	13	15	20	19	16	17	13	18	17	16	19	20
Sun 05/12/2021	S2	Regular	43	27	24	22	19	15	8	9	10	8	9	9	9	16	17	21	24	32	33
Mon 29/11/2021	S3	Regular	5	5	4	4	2	3	2	2	3	3	2	2	4	4	4	5	5	5	5
Tue 30/11/2021	S3	Regular	5	5	4	4	3	2	2	3	3	4	3	2	3	3	3	2	4	4	5
Wed 01/12/2021	S3	Regular	5	5	4	4	2	3	2	3	2	3	3	3	4	3	3	3	4	5	4
Thu 02/12/2021	S3	Regular	5	4	3	4	2	2	3	3	3	4	2	3	3	4	3	3	3	3	5
Fri 03/12/2021	S3	Regular	5	5	4	3	3	2	3	2	3	2	3	3	3	3	3	3	3	3	3
Sat 04/12/2021	S3	Regular	5	5	5	5	4	4	3	3	3	4	3	3	3	3	3	3	3	3	3
Sun 05/12/2021	S3	Regular	5	5	5	5	4	4	4	4	3	3	3	2	2	2	3	2	2	4	4
Mon 29/11/2021	S4	Regular	43	41	40	40	33	24	16	15	19	19	21	23	25	25	26	26	35	39	40
Tue 30/11/2021	S4	Regular	43	40	40	39	28	15	11	14	21	24	21	20	25	25	24	32	37	40	40
Wed 01/12/2021	S4	Regular	43	41	40	39	31	21	18	17	21	19	19	26	27	27	23	28	33	37	39
Thu 02/12/2021	S4	Regular	43	41	40	40	31	14	16	15	17	18	15	17	20	22	19	22	31	33	32
Fri 03/12/2021	S4	Regular	43	42	40	39	19	10	11	14	19	19	16	23	20	24	27	25	27	31	32
Sat 04/12/2021	S4	Regular	43	39	39	35	23	16	10	14	16	15	20	18	20	20	14	17	17	22	24
Sun 05/12/2021	S4	Regular	43	36	36	35	33	28	18	19	22	25	23	26	26	31	37	36	37	37	39
Mon 29/11/2021	S5	Regular	23	23	21	16	11	9	9	9	8	8	9	11	16	16	14	18	19	21	22
Tue 30/11/2021	S5	Regular	23	23	19	14	9	9	8	7	12	11	9	13	15	16	18	19	20	20	21
Wed 01/12/2021	S5	Regular	23	21	19	13	8	6	5	6	8	11	14	14	16	18	15	16	20	21	22
Thu 02/12/2021	S5	Regular	23	22	19	11	8	5	6	6	8	7	8	9	9	12	16	18	20	23	23
Fri 03/12/2021	S5	Regular	23	22	19	10	5	4	4	6	4	6	8	9	13	13	16	19	20	20	21
Sat 04/12/2021	S5	Regular	23	21	20	12	5	4	3	6	5	8	9	8	14	18	18	19	21	22	22
Sun 05/12/2021	S5	Regular	23	23	23	23	21	11	9	7	14	14	15	15	17	19	19	19	20	22	21

2. Long Stay Parking

The table below shows a breakdown of vehicles parked for a duration of 5 hours or greater at each study area. The longest duration at each area each day is also shown.
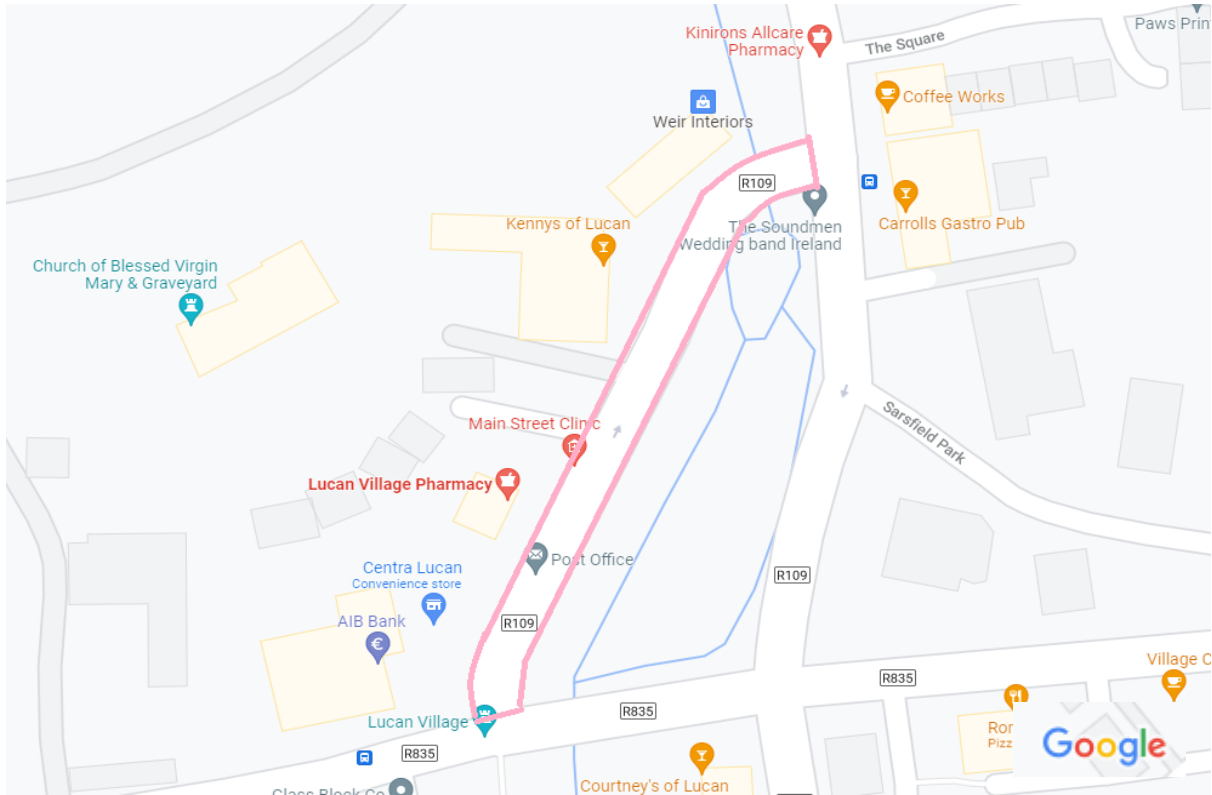
As can be seen from the table, of the 185 legal parking spaces in the study area (standard, accessible, and loading), between 10% and 26% of spaces were occupied by vehicles parked for periods of greater than 5 hours.

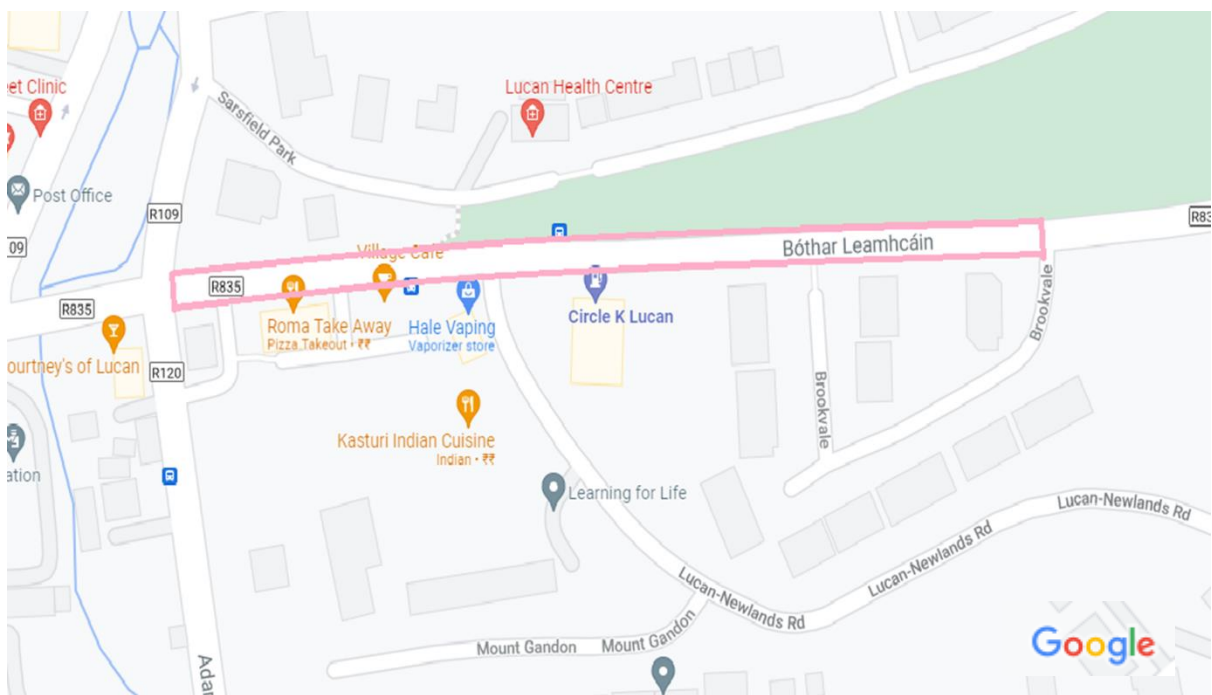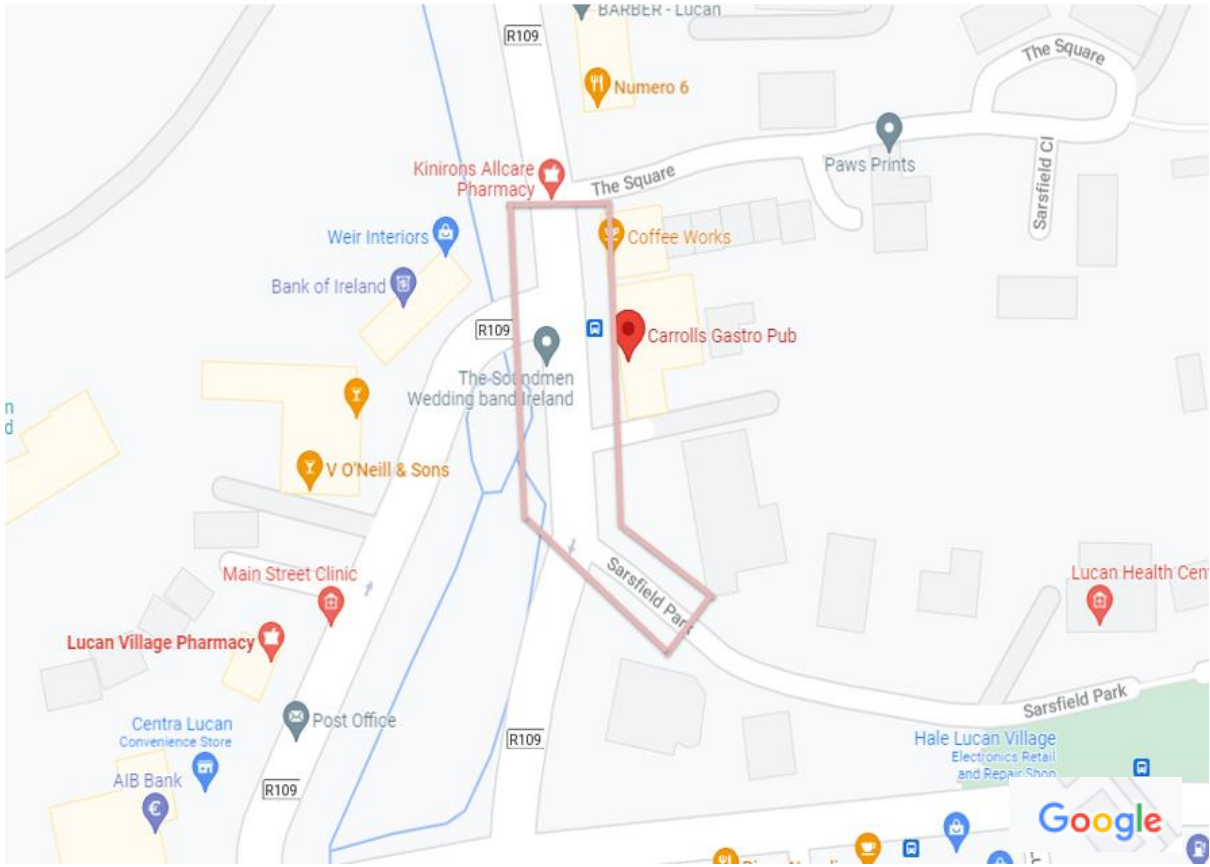| Date	Location	Number of vehicles staying > 5 hours	Longest Stay
Mon 29/11/2021	S1 - Old Lucan Road	5	10:44
Mon 29/11/2021	S2 - Main Street	0	02:26
Mon 29/11/2021	S3 - Dispensary Lane	2	07:37
Mon 29/11/2021	S4 - The Mall (west)	8	09:24
Mon 29/11/2021	S5 - The Mall (east)	4	09:15
Mon 29/11/2021	**Total**	**19**	
Tue 30/11/2021	S1 - Old Lucan Road	3	18:00
Tue 30/11/2021	S2 - Main Street	6	11:08
Tue 30/11/2021	S3 - Dispensary Lane	0	03:05
Tue 30/11/2021	S4 - The Mall (west)	6	08:50
Tue 30/11/2021	S5 - The Mall (east)	5	10:09
Tue 30/11/2021	**Total**	**20**	
Wed 01/12/2021	S1 - Old Lucan Road	5	18:00
Wed 01/12/2021	S2 - Main Street	6	11:53
Wed 01/12/2021	S3 - Dispensary Lane	0	03:57
Wed 01/12/2021	S4 - The Mall (west)	5	07:24
Wed 01/12/2021	S5 - The Mall (east)	3	10:30
Wed 01/12/2021	**Total**	**19**	
Thu 02/12/2021	S1 - Old Lucan Road	8	18:00
Thu 02/12/2021	S2 - Main Street	7	09:33
Thu 02/12/2021	S3 - Dispensary Lane	1	05:04
Thu 02/12/2021	S4 - The Mall (west)	7	09:39
Thu 02/12/2021	S5 - The Mall (east)	4	10:22
Thu 02/12/2021	**Total**	**27**	
Fri 03/12/2021	S1 - Old Lucan Road	4	10:01
Fri 03/12/2021	S2 - Main Street	10	11:00
Fri 03/12/2021	S3 - Dispensary Lane	0	04:08
Fri 03/12/2021	S4 - The Mall (west)	7	10:29
Fri 03/12/2021	S5 - The Mall (east)	8	18:00
Fri 03/12/2021	**Total**	**29**	
Sat 04/12/2021	S1 - Old Lucan Road	7	04:20
Sat 04/12/2021	S2 - Main Street	18	17:45
Sat 04/12/2021	S3 - Dispensary Lane	3	08:21
Sat 04/12/2021	S4 - The Mall (west)	14	09:35
Sat 04/12/2021	S5 - The Mall (east)	7	10:21
Sat 04/12/2021	**Total**	**49**	
Sun 05/12/2021	S1 - Old Lucan Road	12	11:38
Sun 05/12/2021	S2 - Main Street	20	18:00
Sun 05/12/2021	S3 - Dispensary Lane	2	15:25
Sun 05/12/2021	S4 - The Mall (west)	10	18:00
Sun 05/12/2021	S5 - The Mall (east)	2	14:30
Sun 05/12/2021	**Total**	**46**	

3. Study Areas

The 5 study areas in which parking data was collected are shown in the images below.

Study area S1 - Old Lucan Road

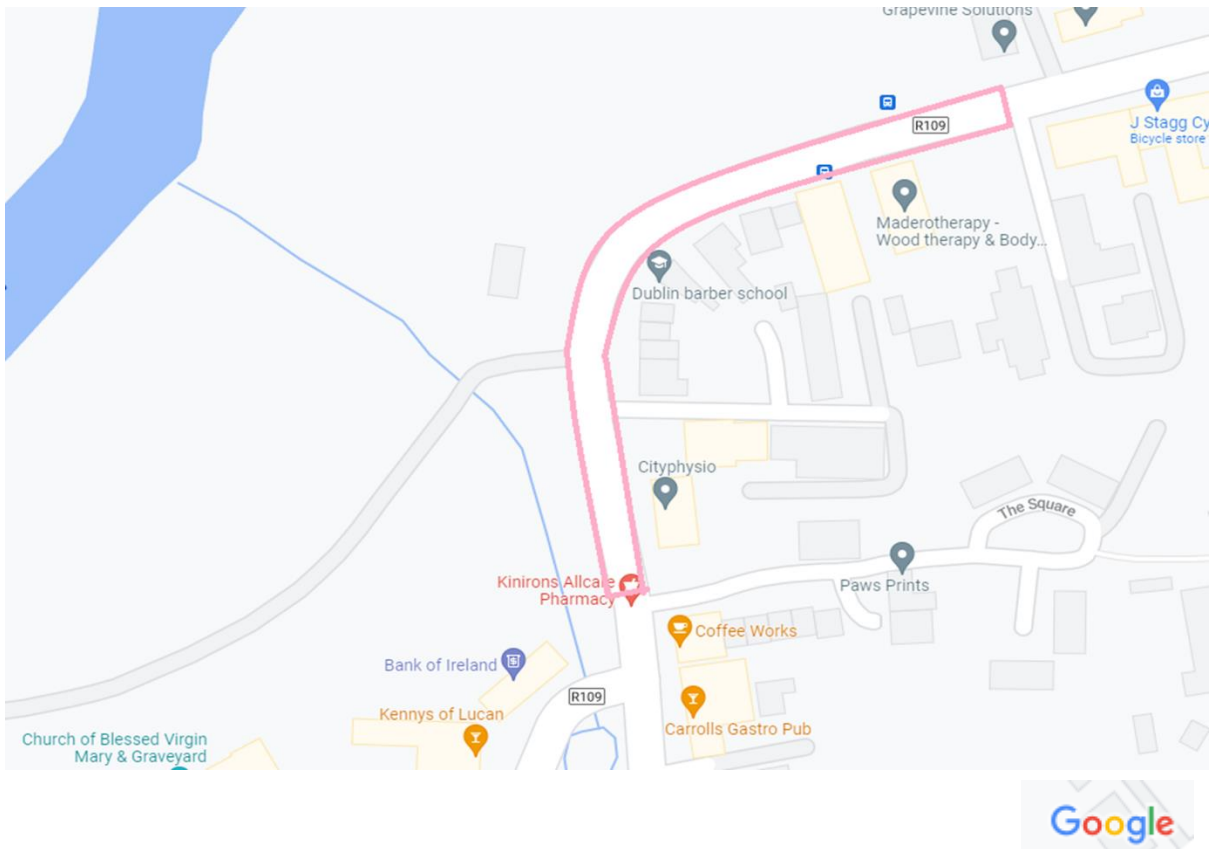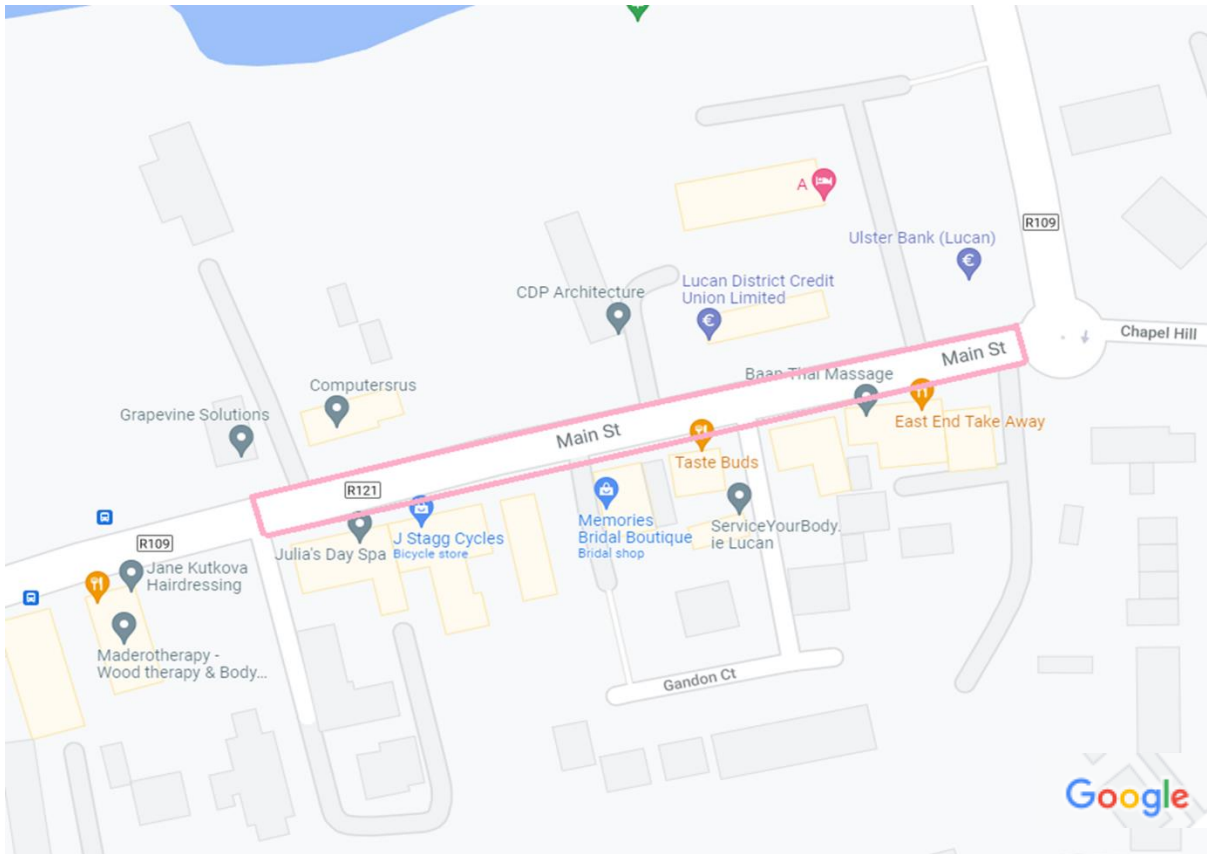**Study area S2 - Main Street**

Study area S3 - Dispensary Lane

Study area S4 - The Mall (west)

Appendix 01

Summary tables – see Microsoft Excel sheet "*Lucan Parking Data – Summary Table*" in list of documents in the consultation portal.

Appendix 02

Link to raw parking data

Google Docs link