

TECHNICAL MEMORANDUM

To: Christina Hughes, PE
From: Pankaj Singla
Kevin Sitzman, PE
Date: April 26, 2023
Subject: Chick-fil-A Warrenton Traffic Memorandum

Introduction

This memorandum presents the findings of the data collection performed for an existing Chick-fil-A restaurant with a drive-thru, with a focus on the total number of trips, parking occupancy, and length of queues during the different peak periods throughout the week.

The site is located south of Broadway Avenue (Route 17 / 29 / 211) and east of Winchester Street in the Town of Warrenton, Virginia. Chick-fil-A has a planned investment in the restaurant, and this assessment was prepared in conjunction with that effort. The site is designated as parcel identification number (PIN) 6984-28-8927-000 on Town of Warrenton GIS and is currently zoned as a Commercial/Limited Residential Office. Access to the site is shared with adjacent parcels and is provided via two entrances on Broadway Avenue and one access on Winchester Street.

Existing Site Traffic Counts and Observations

In order to determine the weekday AM peak, weekday mid-day peak, weekday PM peak, and Saturday mid-day peak hour trips, traffic counts were conducted at all the entrances and exits around Chick-fil-A on Saturday, March 18, 2023, from 11:00 AM to 3:00 PM and Tuesday, March 21, 2023, throughout the day. The raw data was tabulated in 15-minute increments for all four peak periods.

From the data collected, the following peak hours were determined. It is noted the traffic counts collected include drive-thru trips, dine-in trips, and pickup order trips.

- Weekday AM Peak Hour: 8:15 AM to 9:15 AM
- Weekday Mid-day Peak Hour: 12:00 PM to 1:00 PM
- Weekday PM Peak Hour: 4:45 PM to 5:45 PM
- Saturday Mid-day Peak Hour: 11:30 AM to 12:30 PM

The existing peak hour site trips for each of the entrances and exits serving Chick-fil-A are illustrated in Figure 1 and are combined in Table 1. The raw data for the existing turning movement counts are provided in Appendix A.

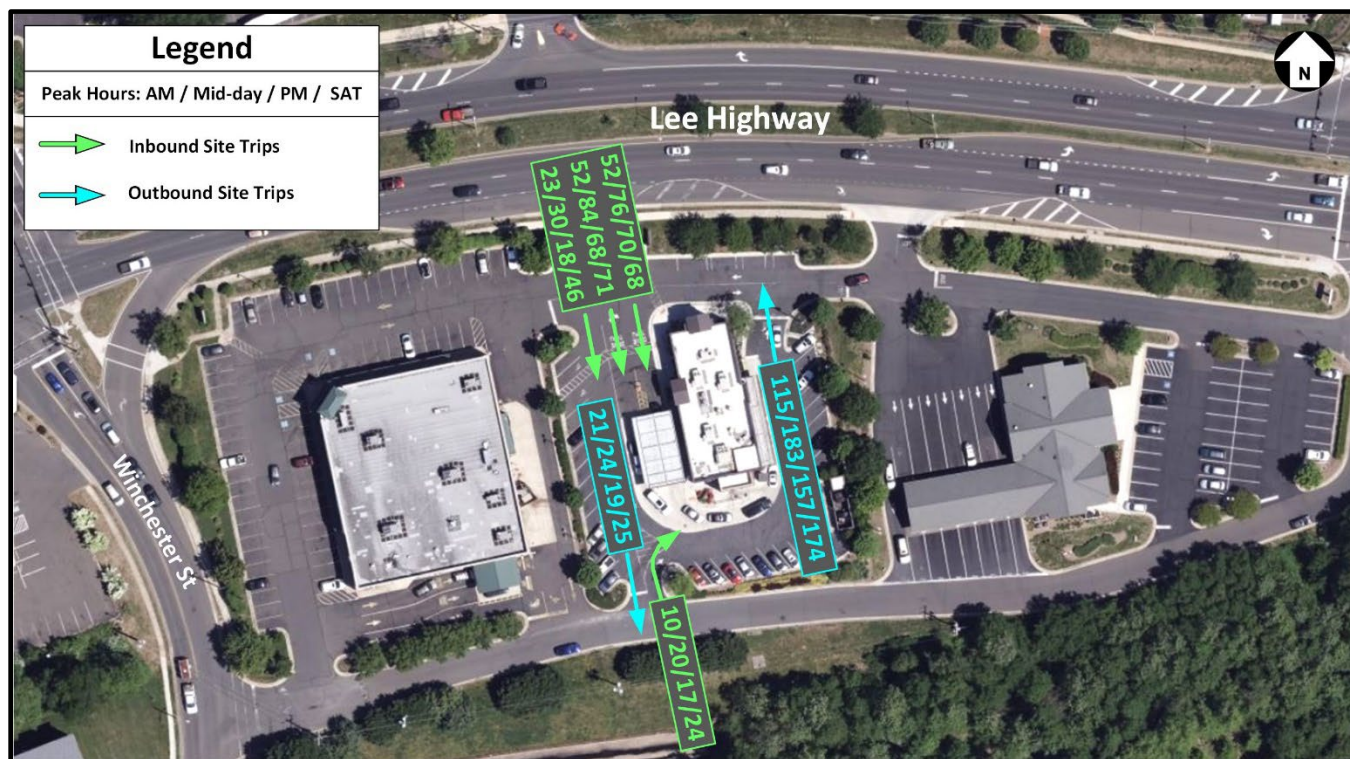


Figure 1: 2023 Existing Vehicular Traffic Volumes

Table 1: 2023 Existing Peak Hour Trips

Peak Hour	Time	Inbound Trips	Outbound Trips	Total Trips
AM Weekday	8:15 AM to 9:15 PM	137	136	273
Mid-day Weekday	12:00 PM to 1:00 PM	210	207	417
PM Weekday	4:45 PM to 5:45 PM	173	176	349
Mid-day Saturday	11:30 AM to 12:30 PM	209	199	408

Note: Trips includes customers using drive-thru , dine-in, and pickup option.

As presented in the above table, the highest maximum number of total trips observed were 417 trips and 408 trips during the mid-day weekday peak hour and mid-day Saturday peak hour, respectively. Whereas, the lowest maximum number of total trips was 273 trips during the AM weekday peak hour.

Existing Drive-Thru Queues and Observations

Drive-thru queuing counts were also collected on Saturday, March 18, 2023, from 11:00 AM to 3:00 PM and Tuesday, March 21, 2023, throughout the day, during the same period as site trip data collection. The raw data was tabulated in 5-minute increments for all four peak periods. The peak periods for which maximum and average queues were observed are mentioned below.

- Weekday AM Peak Hour: 7:00 AM to 10:00 AM
- Weekday Mid-day Peak Hour: 11:00 AM to 3:00 PM
- Weekday PM Peak Hour: 4:00 PM to 7:00 PM
- Saturday Mid-day Peak Hour: 11:00 AM to 3:00 PM

The queue lengths were measured by counting the number of cars in the lane with the most cars, starting from the food service window until the end of the queue. The queues spilling beyond the circulation area (denoted as Zone 1) were also observed and were categorized into different sections as shown in Figure 2.

The maximum and average drive-thru queues observed during each peak period were combined from all zones and are summarized in Table 2. The raw data for the existing drive-thru queues are provided in Appendix B. In addition, the total number of cars in the system, that is, combining the cars from both ordering lanes was also summarized in the table below.

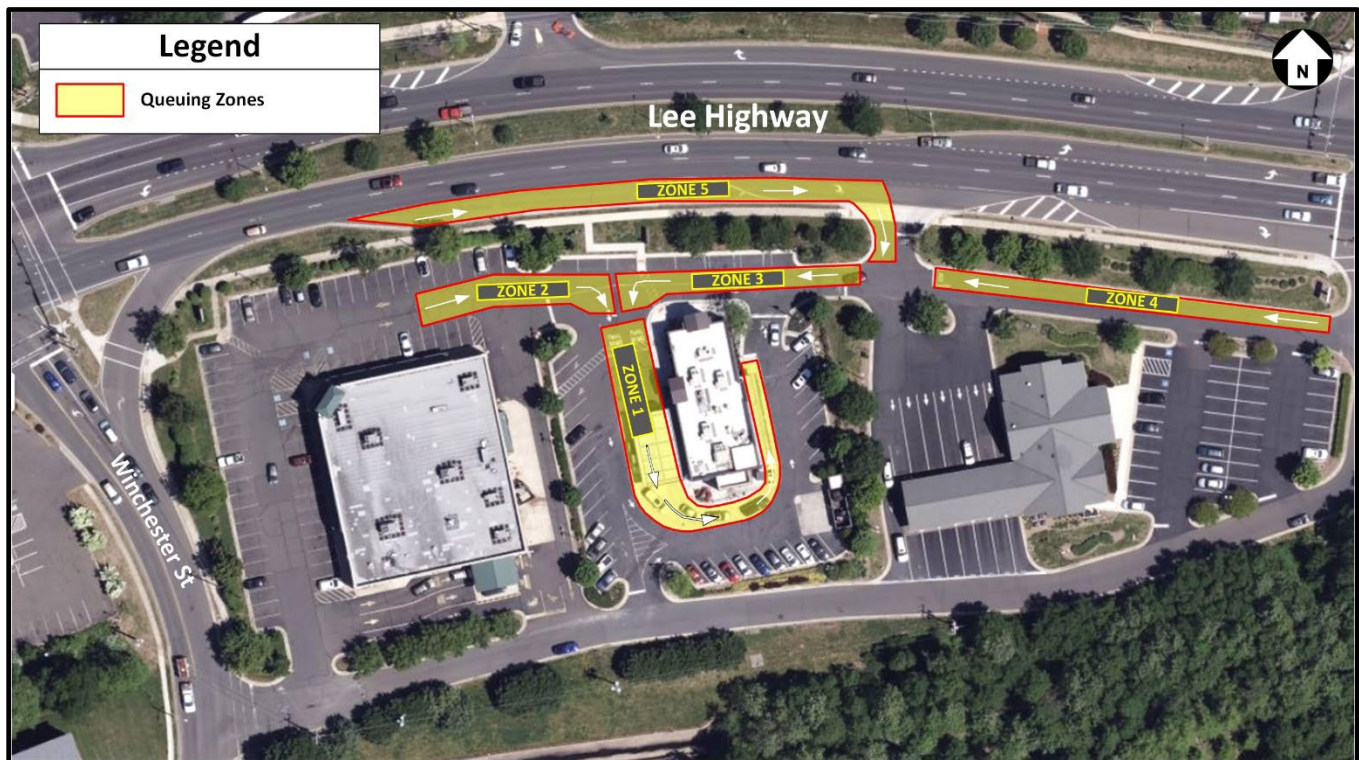


Figure 2: Queuing Observation Area and Zones

Table 2: Average and Maximum Queue Lengths

Peak Period	Time	Average Queue Length (cars)	Maximum Queue Length (cars)	Maximum Number of cars in system
AM Weekday	7:00 AM to 10:00 PM	7	12	15
Mid-day Weekday	11:00 AM to 3:00 PM	11	23	29
PM Weekday	4:00 PM to 7:00 PM	10	19	24
Mid-day Saturday	11:00 AM to 3:00 PM	12	23	27

Note: Average and maximum queue lengths are based order lanes with highest number of cars.

As presented in the above table, the highest maximum number of cars in the queue was 23 cars during the mid-day weekday peak period and during mid-day Saturday peak period. Whereas the lowest maximum number of cars in the queue was 12 cars during the AM weekday peak period. It should be noted that since all the Zones in Figure 2 are not aligned consecutive to each other, it could be difficult to visualize the data summarized from all zones together.

In addition, the highest maximum number of cars in the system was 29 cars during the mid-day weekday peak period and the lowest maximum number of cars in the queue was 15 cars during the AM weekday peak period.

In addition, no cars were found waiting in Zone 2 during the data collection process. The maximum number of cars waiting in Zones 3, 4, and 5 were 6, 3, and 4 cars, respectively over the entire data collection process. The maximum total number of cars waiting in the queue beyond the circulating drive-thru lanes (Zone 1) never exceeded 10 vehicles.

Parking Occupancy and Observations

Parking occupancy counts were collected on Saturday, March 18, 2023, from 11:00 AM to 3:00 PM and Tuesday, March 21, 2023, throughout the day, during the same period as the other data collection. The raw data was tabulated in 10-minute

increments for all four peak periods. The peak periods for which maximum and average parking occupancy were observed are mentioned below.

- Weekday AM Peak Hour: 7:00 AM to 10:00 AM
- Weekday Mid-day Peak Hour: 11:00 AM to 3:00 PM
- Weekday PM Peak Hour: 4:00 PM to 7:00 PM
- Saturday Mid-day Peak Hour: 11:00 AM to 3:00 PM

It is noted that some employees and customers using the adjacent property's parking spaces were not included in the counts, as it is not always possible to differentiate between restaurant and pharmacy parkers. The restaurant's dedicated parking spaces that were observed during the parking occupancy data collection are marked in Figure 3 and total 40 spaces. The maximum and average parking occupancy observed during each peak period is summarized in Table 3. The raw data for the parking occupancy are provided in Appendix C.



Figure 3: Chick-fil-A Parking Spaces

Table 3: Average and Maximum Parking Occupancy

Peak Period	Time	Average Occupancy	Maximum Occupancy	Total Spaces
AM Weekday	7:00 AM to 10:00 PM	16	20	40
Mid-day Weekday	11:00 AM to 3:00 PM	24	28	40
PM Weekday	4:00 PM to 7:00 PM	20	26	40
Mid-day Saturday	11:00 AM to 3:00 PM	26	35	40

Note: Parking occupancy includes parking in Chick-fil-A designated parking only.

As presented in the above table, the highest maximum parking occupancy was 35 cars during the mid-day Saturday peak period whereas the lowest maximum parking occupancy was 20 cars during AM weekday peak period. Though the data collection doesn't take into account the parking spaces used in the adjacent parcels, there were always five or more parking spaces

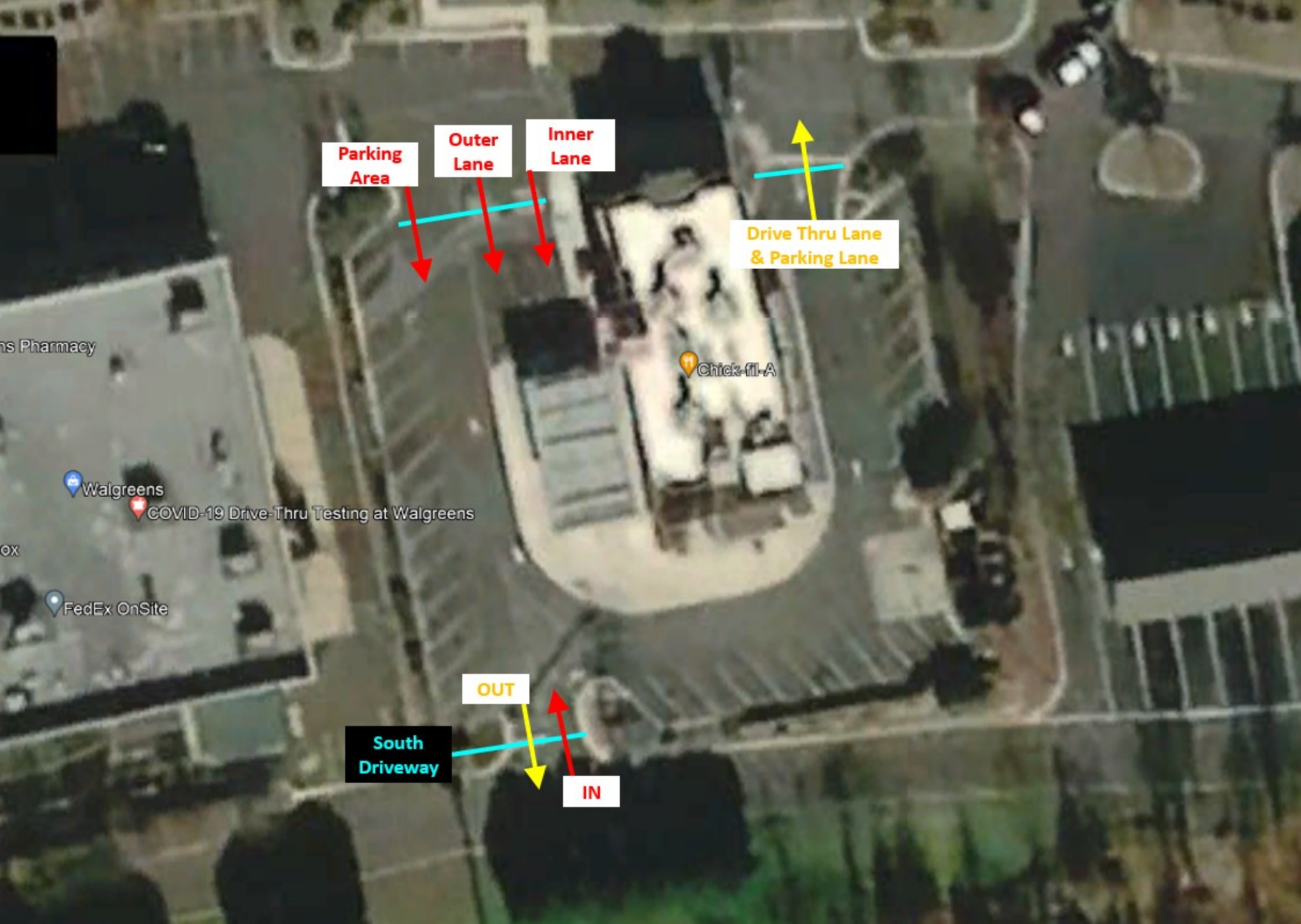
available during the mid-day Saturday and 12 or more parking spaces available during the weekday, indicating an adequate parking supply on-site.

Summary

This memorandum presents the findings of the data collection performed for the existing Chick-fil-A restaurant with a drive-thru in Warrenton, with a focus on the total number of trips, parking occupancy, and length of queues during the different peak periods throughout the week.

Based on the data presented here, it can be determined that the maximum number of trips and maximum queues were observed during the mid-day weekday peak hour, with similar (but slightly lower) activity during the mid-day Saturday peak hour. The parking occupancy was approximately 88% during the mid-day Saturday peak period but at all other times, 12 or more parking spaces were available in the lot. The maximum number of cars waiting in the queue beyond the circulating drive-thru lanes never exceeded 10 vehicles.

TECHNICAL APPENDIX



Parking Area

Outer Lane

Inner Lane

Drive Thru Lane & Parking Lane

Chick-fil-A

Walgreens

COVID-19 Drive-Thru Testing at Walgreens

FedEx OnSite

OUT

South Driveway

IN

Trip Gen Study

Location: Chick-fil-A, 256 W Lee Hwy
City: Warrenton, VA

Date: 3/18/2023
Day: Saturday

TIME	Drive Thru IN				Drive Thru & Parking OUT	South Driveway		Trip Gen		
	Inner Lane	Outer Lane	Parking Area IN	Parking Area OUT	Drive Thru Lane & Parking Lane	INBOUND	OUTBOUND	INBOUND	OUTBOUND	OUTCOME
11:00 AM	14	11	9	0	28	3	4	37	32	5
11:15 AM	17	12	6	0	30	2	4	37	34	3
11:30 AM	18	15	15	0	41	5	11	53	52	1
11:45 AM	16	18	6	0	36	5	3	45	39	6
12:00 PM	17	21	11	0	52	7	7	56	59	-3
12:15 PM	17	17	14	0	45	7	4	55	49	6
12:30 PM	15	14	10	0	40	2	5	41	45	-4
12:45 PM	15	11	8	0	37	5	7	39	44	-5
1:00 PM	14	15	8	0	38	4	8	41	46	-5
1:15 PM	16	20	4	0	30	5	1	45	31	14
1:30 PM	17	15	6	0	43	8	11	46	54	-8
1:45 PM	16	19	4	0	37	3	4	42	41	1
2:00 PM	16	19	4	0	47	5	3	44	50	-6
2:15 PM	15	12	4	0	28	4	2	35	30	5
2:30 PM	15	15	8	0	35	5	2	43	37	6
2:45 PM	15	13	11	0	34	4	13	43	47	-4
Totals	253	247	128	0	601	74	89	702	690	12

Trip Gen Study

Location: Chick-fil-A, 256 W Lee Hwy
City: Warrenton, VA

Date: 3/21/2023
Day: Tuesday

TIME	Drive Thru IN				Drive Thru & Parking OUT	South Driveway		Trip Gen		
	Inner Lane	Outer Lane	Parking Area IN	Parking Area OUT	Drive Thru Lane & Parking Lane	INBOUND	OUTBOUND	INBOUND	OUTBOUND	OUTCOME
7:00 AM	17	0	3	0	19	2	3	22	22	0
7:15 AM	16	9	4	0	26	2	5	31	31	0
7:30 AM	15	16	1	0	31	0	1	32	32	0
7:45 AM	10	11	1	0	23	3	2	25	25	0
8:00 AM	10	17	2	1	23	4	1	33	25	8
8:15 AM	13	7	7	0	28	5	6	32	34	-2
8:30 AM	12	17	6	0	27	3	7	38	34	4
8:45 AM	10	14	5	0	31	1	3	30	34	-4
9:00 AM	17	14	5	0	29	1	5	37	34	3
9:15 AM	10	11	2	0	22	0	4	23	26	-3
9:30 AM	12	18	8	0	23	0	6	38	29	9
9:45 AM	9	7	6	0	28	5	9	27	37	-10
10:00 AM	8	10	4	0	23	2	6	24	29	-5
10:15 AM	13	14	2	0	17	2	3	31	20	11
10:30 AM	11	7	6	0	27	3	4	27	31	-4
10:45 AM	9	11	8	0	19	1	10	29	29	0
11:00 AM	14	17	3	0	21	2	3	36	24	12
11:15 AM	12	18	11	0	33	3	8	44	41	3
11:30 AM	15	16	8	1	40	6	6	45	47	-2
11:45 AM	15	13	3	0	35	2	2	33	37	-4
12:00 PM	21	25	4	0	40	4	5	54	45	9
12:15 PM	19	21	8	0	44	7	7	55	51	4
12:30 PM	19	17	13	0	53	3	7	52	60	-8
12:45 PM	17	21	5	0	46	6	5	49	51	-2
1:00 PM	17	19	6	0	36	3	4	45	40	5
1:15 PM	19	19	4	0	48	2	5	44	53	-9
1:30 PM	13	17	4	0	30	2	5	36	35	1
1:45 PM	14	10	6	0	28	2	5	32	33	-1
2:00 PM	16	12	6	0	27	4	7	38	34	4
2:15 PM	9	12	2	0	26	3	4	26	30	-4
2:30 PM	16	12	3	0	28	2	3	33	31	2
2:45 PM	17	14	11	0	39	2	6	44	45	-1
3:00 PM	18	13	7	0	30	2	6	40	36	4
3:15 PM	13	13	2	0	30	3	6	31	36	-5
3:30 PM	12	8	4	0	31	6	5	30	36	-6
3:45 PM	11	13	4	0	26	7	4	35	30	5
4:00 PM	13	11	1	0	30	5	4	30	34	-4
4:15 PM	14	7	1	0	24	2	2	24	26	-2
4:30 PM	13	15	4	0	29	6	2	38	31	7
4:45 PM	19	14	3	0	34	1	3	37	37	0
5:00 PM	18	19	6	0	44	7	4	50	48	2
5:15 PM	16	18	7	0	40	7	7	48	47	1
5:30 PM	17	17	2	0	39	2	5	38	44	-6
5:45 PM	13	15	3	0	33	6	0	37	33	4
6:00 PM	16	16	8	0	40	7	4	47	44	3
6:15 PM	9	9	5	0	28	4	5	27	33	-6
6:30 PM	14	14	4	0	28	3	6	35	34	1
6:45 PM	9	13	4	0	26	6	3	32	29	3
Totals	670	661	232	2	1482	161	223	1724	1707	17

Peak Hour	TIME	Drive Thru IN				Drive Thru & Parking OUT	South Driveway		Trip Gen		
		Inner Lane	Outer Lane	Parking Area IN	Parking Area OUT	Drive Thru Lane & Parking Lane	INBOUND	OUTBOUND	INBOUND	OUTBOUND	OUTCOME
AM Weekday	8:15 AM to 9:15 PM	52	52	23	0	115	10	21	137	136	1
Mid-day weekday	12:00 PM to 1:00 PM	76	84	30	0	183	20	24	210	207	3
PM Weekday	4:45 PM to 5:45 PM	70	68	18	0	157	17	19	173	176	-3
Weekend	11:30 AM to 12:30 PM	68	71	46	0	174	24	25	209	199	10

Max Queue

Location: Chick-fil-A, 256 W Lee Hwy

City: Warrenton, VA

Date: 3/21/2023 (Tue)

Time	Max Queue Length (# of Vehicles)			
	Drive Thru			Total Queue
	From Order Board to End of Section 1		From Pickup to Order Board	
	Lane 1	Lane 2		
7:00 AM	3	0	3	6
7:05 AM	4	0	2	6
7:10 AM	2	0	2	4
7:15 AM	3	2	1	6
7:20 AM	1	1	5	7
7:25 AM	2	2	3	7
7:30 AM	2	2	6	10
7:35 AM	4	1	6	11
7:40 AM	2	2	6	10
7:45 AM	1	2	2	5
7:50 AM	2	1	3	6
7:55 AM	2	1	5	8
8:00 AM	1	1	2	4
8:05 AM	3	1	3	7
8:10 AM	2	2	5	9
8:15 AM	1	2	6	9
8:20 AM	2	1	3	6
8:25 AM	2	0	5	7
8:30 AM	2	3	3	8
8:35 AM	2	2	4	8
8:40 AM	2	1	6	9
8:45 AM	1	1	6	8
8:50 AM	0	0	6	6
8:55 AM	4	2	2	8
9:00 AM	1	1	6	8
9:05 AM	2	2	3	7
9:10 AM	2	3	5	10
9:15 AM	3	2	7	12
9:20 AM	2	2	5	9
9:25 AM	1	1	5	7
9:30 AM	2	3	4	9
9:35 AM	3	2	6	11
9:40 AM	3	5	7	15
9:45 AM	3	4	7	14
9:50 AM	4	0	4	8
9:55 AM	2	1	3	6
10:00 AM	2	2	5	9
10:05 AM	1	1	6	8
10:10 AM	1	0	3	4
10:15 AM	3	3	2	8
10:20 AM	0	1	5	6
10:25 AM	2	3	8	13
10:30 AM	1	1	8	10
10:35 AM	2	1	4	7
10:40 AM	1	2	4	7
10:45 AM	3	2	2	7
10:50 AM	3	4	3	10
10:55 AM	2	2	6	10
11:00 AM	2	2	5	9
11:05 AM	3	2	7	12
11:10 AM	5	4	9	18
11:15 AM	5	4	9	18
11:20 AM	4	4	7	15
11:25 AM	4	5	8	17
11:30 AM	3	5	7	15
11:35 AM	5	4	5	14
11:40 AM	4	5	5	14
11:45 AM	4	3	6	13
11:50 AM	3	3	5	11
11:55 AM	3	1	3	7
12:00 PM	5	5	4	14
12:05 PM	5	5	5	15
12:10 PM	4	5	5	14
12:15 PM	6	6	8	20
12:20 PM	5	6	7	18
12:25 PM	4	4	9	17
12:30 PM	4	5	8	17
12:35 PM	5	4	7	16
12:40 PM	3	4	5	12
12:45 PM	3	4	8	15
12:50 PM	4	3	8	15
12:55 PM	4	3	8	15
1:00 PM	4	3	6	13
1:05 PM	5	3	7	15
1:10 PM	5	5	7	17
1:15 PM	5	4	7	16



1:20 PM	5	5	7	17
1:25 PM	3	3	6	12
1:30 PM	3	3	3	9
1:35 PM	3	2	6	11
1:40 PM	4	2	7	13
1:45 PM	2	2	5	9
1:50 PM	2	2	4	8
1:55 PM	1	1	4	6
2:00 PM	1	1	5	7
2:05 PM	3	3	3	9
2:10 PM	3	2	5	10
2:15 PM	3	2	7	12
2:20 PM	3	3	7	13
2:25 PM	2	1	6	9
2:30 PM	3	2	0	5
2:35 PM	3	1	7	11
2:40 PM	2	2	7	11
2:45 PM	3	3	5	11
2:50 PM	3	3	5	11
2:55 PM	2	2	6	10
3:00 PM	2	1	2	5
3:05 PM	3	4	3	10
3:10 PM	3	3	4	10
3:15 PM	3	3	6	12
3:20 PM	2	3	6	11
3:25 PM	2	2	6	10
3:30 PM	2	1	4	7
3:35 PM	2	1	5	8
3:40 PM	1	1	4	6
3:45 PM	1	2	3	6
3:50 PM	3	2	3	8
3:55 PM	2	1	6	9
4:00 PM	2	3	7	12
4:05 PM	3	2	6	11
4:10 PM	3	2	5	10
4:15 PM	2	1	3	6
4:20 PM	3	2	2	7
4:25 PM	2	0	6	8
4:30 PM	4	2	3	9
4:35 PM	4	4	6	14
4:40 PM	3	3	6	12
4:45 PM	3	2	6	11
4:50 PM	5	5	5	15
4:55 PM	6	6	7	19
5:00 PM	6	5	5	16
5:05 PM	5	5	7	17
5:10 PM	6	5	8	19
5:15 PM	5	6	8	19
5:20 PM	5	5	8	18
5:25 PM	5	5	7	17
5:30 PM	5	4	7	16
5:35 PM	5	5	8	18
5:40 PM	4	4	8	16
5:45 PM	4	4	4	12
5:50 PM	5	4	3	12
5:55 PM	5	5	4	14
6:00 PM	2	3	8	13
6:05 PM	3	3	6	12
6:10 PM	3	2	8	13
6:15 PM	2	2	8	12
6:20 PM	2	2	5	9
6:25 PM	2	3	2	7
6:30 PM	2	3	4	9
6:35 PM	2	2	5	9
6:40 PM	4	5	4	13
6:45 PM	5	5	5	15
6:50 PM	3	4	7	14
6:55 PM	4	4	7	15
Totals	429	385	763	1577

Max Queue

Location: Chick-fil-A, 256 W Lee Hwy

City: Warrenton, VA

Date: 3/18/2023 (Sat)

Time	Max Queue Length (# of Vehicles)			
	Drive Thru			Total Queue
	From Order Board to End of Section 1		From Pickup to Order Board	
	Lane 1	Lane 2		
11:00 AM	3	3	4	10
11:05 AM	3	2	7	12
11:10 AM	2	2	5	9
11:15 AM	4	3	6	13
11:20 AM	4	3	6	13
11:25 AM	2	2	7	11
11:30 AM	4	5	5	14
11:35 AM	4	5	7	16
11:40 AM	3	3	9	15
11:45 AM	4	5	6	15
11:50 AM	4	4	7	15
11:55 AM	4	3	8	15
12:00 PM	4	4	7	15
12:05 PM	4	4	8	16
12:10 PM	5	3	8	16
12:15 PM	2	2	7	11
12:20 PM	5	5	4	14
12:25 PM	5	5	3	13
12:30 PM	4	3	6	13
12:35 PM	3	2	5	10
12:40 PM	3	4	4	11
12:45 PM	3	4	8	15
12:50 PM	4	4	7	15
12:55 PM	5	5	5	15
1:00 PM	3	2	8	13
1:05 PM	5	6	8	19
1:10 PM	5	3	8	16
1:15 PM	5	4	7	16
1:20 PM	5	6	7	18
1:25 PM	5	5	6	16
1:30 PM	4	6	7	17
1:35 PM	4	6	5	15
1:40 PM	5	6	6	17
1:45 PM	3	4	7	14
1:50 PM	6	5	8	19
1:55 PM	5	5	6	16
2:00 PM	6	5	7	18
2:05 PM	5	5	7	17
2:10 PM	3	3	7	13
2:15 PM	5	3	1	9
2:20 PM	4	4	6	14
2:25 PM	4	4	5	13
2:30 PM	3	4	6	13
2:35 PM	3	1	7	11
2:40 PM	4	3	6	13
2:45 PM	5	4	7	16
2:50 PM	6	5	4	15
2:55 PM	4	5	6	15
Totals	195	189	301	685



Parking Study

Location: Chick-fil-A - 256 W Lee Hwy

City: Warrenton, VA

Date: 3/21/2023

Day: Tuesday

	Parking Occupancy (Number of Vehicles)							
Inventory	14	10	8	8	Parking Turnover Rate			
INTERVAL	Occupancy Per Sweep							
	LOT-001	LOT-002	LOT-003	LOT-004	LOT-001	LOT-002	LOT-003	LOT-004
7:00 AM	7	4	3	0	0.50	0.40	0.38	0.00
7:10 AM	7	4	2	0	0.50	0.40	0.25	0.00
7:20 AM	3	4	3	0	0.21	0.40	0.38	0.00
7:30 AM	4	4	2	0	0.29	0.40	0.25	0.00
7:40 AM	4	4	2	0	0.29	0.40	0.25	0.00
7:50 AM	4	5	2	0	0.29	0.50	0.25	0.00
8:00 AM	5	5	2	1	0.36	0.50	0.25	0.13
8:10 AM	7	5	3	1	0.50	0.50	0.38	0.13
8:20 AM	10	5	3	1	0.71	0.50	0.38	0.13
8:30 AM	7	6	3	3	0.50	0.60	0.38	0.38
8:40 AM	9	6	2	2	0.64	0.60	0.25	0.25
8:50 AM	6	5	4	4	0.43	0.50	0.50	0.50
9:00 AM	6	5	3	5	0.43	0.50	0.38	0.63
9:10 AM	7	4	2	4	0.50	0.40	0.25	0.50
9:20 AM	6	4	2	3	0.43	0.40	0.25	0.38
9:30 AM	9	4	2	3	0.64	0.40	0.25	0.38
9:40 AM	10	3	2	5	0.71	0.30	0.25	0.63
9:50 AM	7	4	2	5	0.50	0.40	0.25	0.63
10:00 AM	7	4	3	3	0.50	0.40	0.38	0.38
10:10 AM	4	4	2	3	0.29	0.40	0.25	0.38
10:20 AM	6	4	4	4	0.43	0.40	0.50	0.50
10:30 AM	5	4	4	3	0.36	0.40	0.50	0.38
10:40 AM	6	6	2	2	0.43	0.60	0.25	0.25
10:50 AM	5	6	3	1	0.36	0.60	0.38	0.13
11:00 AM	7	6	2	3	0.50	0.60	0.25	0.38
11:10 AM	7	6	2	3	0.50	0.60	0.25	0.38
11:20 AM	8	7	2	5	0.57	0.70	0.25	0.63
11:30 AM	10	9	3	2	0.71	0.90	0.38	0.25
11:40 AM	10	8	4	2	0.71	0.80	0.50	0.25
11:50 AM	10	9	3	1	0.71	0.90	0.38	0.13
12:00 PM	11	9	3	1	0.79	0.90	0.38	0.13
12:10 PM	10	9	2	1	0.71	0.90	0.25	0.13
12:20 PM	9	9	3	2	0.64	0.90	0.38	0.25
12:30 PM	8	9	6	5	0.57	0.90	0.75	0.63
12:40 PM	12	8	5	3	0.86	0.80	0.63	0.38
12:50 PM	12	10	2	3	0.86	1.00	0.25	0.38
1:00 PM	11	9	3	3	0.79	0.90	0.38	0.38
1:10 PM	10	9	3	5	0.71	0.90	0.38	0.63
1:20 PM	11	8	5	3	0.79	0.80	0.63	0.38
1:30 PM	10	8	3	2	0.71	0.80	0.38	0.25
1:40 PM	10	8	2	3	0.71	0.80	0.25	0.38
1:50 PM	9	8	2	3	0.64	0.80	0.25	0.38
2:00 PM	11	8	3	3	0.79	0.80	0.38	0.38
2:10 PM	8	10	2	4	0.57	1.00	0.25	0.50

2:20 PM	9	10	2	4	0.64	1.00	0.25	0.50
2:30 PM	9	10	4	4	0.64	1.00	0.50	0.50
2:40 PM	8	10	3	2	0.57	1.00	0.38	0.25
2:50 PM	9	9	2	2	0.64	0.90	0.25	0.25
3:00 PM	12	9	3	1	0.86	0.90	0.38	0.13
3:10 PM	11	8	3	2	0.79	0.80	0.38	0.25
3:20 PM	10	8	2	3	0.71	0.80	0.25	0.38
3:30 PM	8	7	2	0	0.57	0.70	0.25	0.00
3:40 PM	6	7	2	0	0.43	0.70	0.25	0.00
3:50 PM	7	6	4	0	0.50	0.60	0.50	0.00
4:00 PM	7	7	2	0	0.50	0.70	0.25	0.00
4:10 PM	7	7	1	0	0.50	0.70	0.13	0.00
4:20 PM	8	7	1	1	0.57	0.70	0.13	0.13
4:30 PM	6	6	2	0	0.43	0.60	0.25	0.00
4:40 PM	8	6	2	1	0.57	0.60	0.25	0.13
4:50 PM	8	6	3	3	0.57	0.60	0.38	0.38
5:00 PM	8	6	1	2	0.57	0.60	0.13	0.25
5:10 PM	11	7	0	5	0.79	0.70	0.00	0.63
5:20 PM	9	7	1	4	0.64	0.70	0.13	0.50
5:30 PM	8	7	1	4	0.57	0.70	0.13	0.50
5:40 PM	7	6	1	5	0.50	0.60	0.13	0.63
5:50 PM	9	6	1	4	0.64	0.60	0.13	0.50
6:00 PM	9	9	3	3	0.64	0.90	0.38	0.38
6:10 PM	9	8	0	2	0.64	0.80	0.00	0.25
6:20 PM	11	8	3	4	0.79	0.80	0.38	0.50
6:30 PM	11	8	3	4	0.79	0.80	0.38	0.50
6:40 PM	9	6	3	5	0.64	0.60	0.38	0.63
6:50 PM	9	7	6	4	0.64	0.70	0.75	0.50
7:00 PM	9	8	3	2	0.64	0.80	0.38	0.25
Totals	597	492	186	181	0.45	0.46	0.32	0.28

Parking Study

Location: Chick-fil-A - 256 W Lee Hwy

City: Warrenton, VA

Date: 3/18/2023

Day: Saturday

	Parking Occupancy (Number of Vehicles)							
Inventory	14	10	8	8	Parking Turnover Rate			
INTERVAL	Occupancy Per Sweep							
	LOT-001	LOT-002	LOT-003	LOT-004	LOT-001	LOT-002	LOT-003	LOT-004
11:00 AM	5	8	2	3	0.36	0.80	0.25	0.38
11:10 AM	8	9	2	3	0.57	0.90	0.25	0.38
11:20 AM	8	9	2	2	0.57	0.90	0.25	0.25
11:30 AM	11	9	2	4	0.79	0.90	0.25	0.50
11:40 AM	11	10	3	5	0.79	1.00	0.38	0.63
11:50 AM	12	10	2	5	0.86	1.00	0.25	0.63
12:00 PM	12	10	2	5	0.86	1.00	0.25	0.63
12:10 PM	13	10	6	6	0.93	1.00	0.75	0.75
12:20 PM	14	10	3	6	1.00	1.00	0.38	0.75
12:30 PM	14	10	4	6	1.00	1.00	0.50	0.75
12:40 PM	13	9	4	6	0.93	0.90	0.50	0.75
12:50 PM	11	10	5	5	0.79	1.00	0.63	0.63
1:00 PM	11	7	4	3	0.79	0.70	0.50	0.38
1:10 PM	11	7	3	4	0.79	0.70	0.38	0.50
1:20 PM	9	7	3	4	0.64	0.70	0.38	0.50
1:30 PM	10	8	5	3	0.71	0.80	0.63	0.38
1:40 PM	7	9	3	2	0.50	0.90	0.38	0.25
1:50 PM	5	8	2	4	0.36	0.80	0.25	0.50
2:00 PM	8	8	2	3	0.57	0.80	0.25	0.38
2:10 PM	8	8	2	4	0.57	0.80	0.25	0.50
2:20 PM	10	9	1	4	0.71	0.90	0.13	0.50
2:30 PM	11	9	1	5	0.79	0.90	0.13	0.63
2:40 PM	10	8	2	4	0.71	0.80	0.25	0.50
2:50 PM	14	7	2	4	1.00	0.70	0.25	0.50
3:00 PM	10	8	3	4	0.71	0.80	0.38	0.50
Totals	256	217	70	104	0.73	0.87	0.35	0.52