

TOWN COUNCIL WORK SESSION TOWN HALL COUNCIL CHAMBERS MONDAY, APRIL 24, 2023 AT 6:00 PM

https://us02web.zoom.us/j/85307702138

AGENDA

CALL TO ORDER

DISCUSSION ITEMS

- 1. Carolina Logistics Park (Travis Morgan) (DISCUSSION ITEM)
- 2. Towing Ordinance Update (Chief Hudgins) (DISCUSSION ITEM)
- 3. LIV Development Church and College Streets (*Ryan Spitzer*) (ACTION ITEM)

ADJOURN

If you require any type of reasonable accommodation as a result of physical, sensory, or mental disability in order to participate in this meeting, please contact Lisa Snyder, Clerk of Council, at 704-889-2291 or lsnyder@pinevillenc.gov. Three days' notice is required.

1

Workshop



Item 1.

To: Town Council

From: Travis Morgan

Date: 4/24/2023

Re: Carolina Logistics Park amendment (Information Item)

REQUEST:

John Core on behalf of Beacon Partners requests an amendment to the prior Carolina Logistics Park conditional zoning plan. The request is to add a driveway access point along the Northern section of the property along Downs Road. Only one access point (Carolina Logistics Drive) on Downs was approved as part of the prior approved plans and traffic study.

DETAIL:

New driveway access point is just North of Eagleton Downs and across from the SiteOne located at 11901 Downs Road. New driveway is by Building 8D on the plans and has initial NCDOT approval with the improvements shown including center turn lane road widening with 200 feet of stacking plus 150 feet of deceleration lane for Northbound left turns. For Southbound Right turns 100 feet of stacking plus 150 feet of deceleration have been added. Updated traffic study states stacking length for lanes is adequate. There is no traffic light. Access point is shown to be level of service A except for peak period which is shown as LOS C. Level of service wait time would be for those turn lanes to utilize specifically the left Northbound turn lane into the driveway. See plans.

STAFF COMMENT:

The proposal requires a conditional plan amendment because it alters the prior traffic study and single access point discussed and approved on earlier plans. I could support the proposal with the below requirements:

- 1) Traffic improvements as shown are completed with NCDOT approval and prior to Building 8D's completion.
- 2) Outdoor storage except for tractor trailer parking is prohibited in front of Building 8D along Downs Rd frontage.
- 3) Any additional signage to meet zoning ordinance.
- 4) If the four buildings of Building 8 are subdivided they are not to create a land locked parcels and otherwise meet subdivision ordinance.
- 5) Buildings have clear address numbers on the walls and street addresses confirmed for the 4 adjacent buildings.
- 6) Any land needed for Town facilities or infrastructure to serve the development is considered.

PROCEDURE:

This meeting is to familiarize you with the applicant's request go over updates, modifications, and recommendations. The process is legislative with the standard conditional zoning process. This is a workshop meeting intended to refine the development proposal and to get your feedback ahead of any future public hearing and council vote. For any upcoming vote; a general consistency statement is needed for consistent with or inconsistent with adopted plans. Such as: Proposal is found to be reasonable and consistent with adopted plans.

RAMEY KEMP ASSOCIATES

TOGETHER WE ARE LIMITLESS

8210 University Executive Park Drive, Suite 220 Charlotte, NC 28262

April 13, 2023

Travis Morgan Town of Pineville 505 Main Street Pineville, NC 28134 P: 704-889-2202 E: tmorgan@pinevillenc.gov

Reference: Carolina Logistics Park – Pineville, NC

Subject: Transportation Technical Memorandum

Dear Mr. Morgan:

Carolina Logistics Park is a warehouse development located between Downs Road and Nations Ford Road in Pineville, North Carolina. Ramey Kemp Associates (RKA) prepared a Traffic Impact Analysis (TIA) for the site. The TIA was sealed on July 8, 2020 and approved by NCDOT on August 7, 2020. The study assumed 3,500,000 square feet of industrial warehouse with three access points. One full movement driveway was studied on Downs Road, and now a second driveway (Access D) is being proposed on Downs Road. This technical memorandum provides traffic analysis of Access D.

Proposed Access

The general location and concept design of the driveway has been coordinated with NCDOT. It is to be a full movement driveway located across from the existing SiteOne Landscape Supply (parcel ID 20506120) driveway on Downs Road. It includes a left turn lane and a right turn lane on Downs Road. The left turn lane will have 150 feet of storage, and the right turn lane will have 100 feet of storage. Starting from the south, Downs Road would begin to widen approximately 248 feet north of the taper for the Empire Distributers (parcel ID 20519102) southbound left turn lane widening. A three-lane section would be constructed between the fourth driveway (Access D) and the existing southbound left turn lane at the Charlotte-Mecklenburg Schools Bus Lot (parcel ID 20506136) driveway. NCDOT has given general acceptance of this design concept. A plan view of the concept design is attached.



Traffic Volumes

A new traffic count was performed at the intersection of Downs Road and the SiteOne Landscape Supply driveway. The peak hour volumes from the traffic count were projected to the year 2026 using a growth rate of 2 percent per year. The traffic count data is attached.

The trip generation of the site is not changing from what was studied in the approved TIA. Table 1 summarizes the trip generation of the site. Trip distribution percentages were adjusted as shown in Figure 1 to move approximately one fourth of the trips at Access A to Access D. The resulting trip assignment is shown in Figure 2. Combining the projected 2026 traffic volumes and the trip assignments results in the 2026 Full Build traffic volumes shown in Figure 3.

Land Use (ITE Code)	Intensity	AM Pea Trips		PM P Hour (vp	Trips
		Enter	Exit	Enter	Exit
Industrial Warehouse (Local Data)	3,500,000 SF	248	90	109	259

Table 1: Trip Generation Summary

Traffic Analysis

Access D is proposed to form the fourth leg at the intersection of Downs Road and the SiteOne Landscape Supply driveway. Access is proposed to be full movement. Downs Road is maintained by NCDOT at this intersection. A 2026 Full Build scenario was analyzed. This scenario analyzes Access D with the site fully built out (3,500,000 square feet of industrial warehouse). No turn lanes were added at the intersection of Downs Road and Access D during this scenario. The 2026 Full Build Improvements scenario is the same as the 2026 Full Build scenario but adds turn lanes that NCDOT is requiring. Table 2 summarizes the capacity analysis results. The Synchro and SimTraffic reports are attached.

The intersection is expected to operate efficiently during all scenarios with no queue issues. All queues are expected to be no more than approximately 100 feet. Based on coordination with NCDOT, the following improvements are required to be done by the developer:

- Construct Access D with one ingress lane and one egress lane. Provide 100 feet of internal protected stem length.
- Construct a northbound Downs Road left turn lane with 150 feet of storage length and the appropriate taper.
- Construct a two-way left turn lane along Downs Road between Access D and the Charlotte-Mecklenburg Schools Bus Lot southernmost driveway.
- Construct a southbound Downs Road right turn lane with 100 feet of storage and the appropriate taper.



ANALYSIS	A P P R	LANE	PEAK	DAY AM HOUR SERVICE	PEAK	DAY PM HOUR SERVICE
SCENARIO	O A C H	CONFIGURATIONS	Approach LOS (Delay)	Overall LOS (Delay)	Approach LOS (Delay)	Overall LOS (Delay)
2026 Full Build	$\begin{array}{c} \mathrm{EB^{1}}\\ \mathrm{WB^{1}}\\ \mathrm{NB^{2}}\\ \mathrm{SB^{2}} \end{array}$	1 LT-TH-RT 1 LT-TH-RT 1 LT-TH-RT 1 LT-TH-RT 1 LT-TH-RT	C (15.7) C (15.2) A (8.0) A (8.8)	N/A ³	C (22.6) C (18.4) A (9.2) A (8.2)	N/A ³
2026 Full Build Improvements	$\begin{array}{c} \mathrm{E}\mathrm{B}^{1}\\ \mathrm{W}\mathrm{B}^{1}\\ \mathrm{N}\mathrm{B}^{2}\\ \mathrm{S}\mathrm{B}^{2} \end{array}$	1 LT-TH-RT 1 LT-TH-RT 1 LT, 1 TH-RT 1 LT, 1 TH, 1 RT	C (15.5) C (15.1) A (8.0) A (8.8)	N/A ³	C (22.5) C (18.4) A (9.2) A (8.2)	N/A ³

Table 2: Analysis Summary of Downs Road and Access D

1. Level of service for minor-street approach.

2. Level of service for major-street left-turn movement

3. Overall Intersection LOS is not provided for unsignalized intersections

Conclusion

Constructing a driveway across from the SiteOne Landscape Supply driveway on Downs Road is expected to result in acceptable traffic operations. The driveways are expected to operate at LOS C during both peak hours, while the left turn movements on Downs Road are expected to operate at LOS A. The maximum queues at the intersection are expected to be no more than approximately 100 feet. The turn lane improvements required by NCDOT are sufficient.

If you should have any questions please contact me at (704) 220-6847.

Sincerely,

Maraw Eagle

J. Andrew Eagle, PE, PTOE Senior Traffic Engineering Project Manager INFRASTRUCTURE CONSULTING SERVICES, INC dba RAMEY KEMP ASSOCIATES, INC





Attachment

- Concept Design
- Traffic Count Downs Road and SiteOne Landscape Supply Driveway
- Figure 1 Proposed Site Full Build Trip Distribution Percentages
- Figure 2 Proposed Site Full Build Trip Assignment
- Figure 3 2026 Full Build Peak Hour Traffic Volumes
- Synchro Reports
- SimTraffic Reports







8210 University Executive Park Charlotte, NC 28262

										s Printe	ed- Ca	ars - T	rucks	- Sem	nis						-		
		Do	wns R	load		5		ne Lar Drivew		be		Do	wns R	oad									
		Fi	om No	orth				rom E				Fr	om Sc	outh			Fr	om W	est				
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Exclu. Total	Inclu. Total	Int. Total
07:00 AM	0	51	3	0	54	0	0	0	0	0	3	76	0	0	79	0	0	0	0	0	0	133	133
07:15 AM	0	51	4	0	55	1	0	0	0	1	0	83	0	0	83	0	0	0	0	0	0	139	139
07:30 AM	0	55	0	0	55	4	0	0	0	4	1	86	0	0	87	0	0	0	0	0	0	146	146
07:45 AM	0	51	3	0	54	2	0	2	0	4	1	89	0	0	90	0	0	0	0	0	0	148	148
Total	0	208	10	0	218	7	0	2	0	9	5	334	0	0	339	0	0	0	0	0	0	566	566
08:00 AM	0	54	2	0	56	1	0	1	0	2	2	85	0	0	87	0	0	0	0	0	0	145	145
08:15 AM	0	48	3	Õ	51	1	Õ	3	Õ	4	0	67	Ő	Õ	67	Ō	Õ	Õ	Õ	Ő	0	122	122
08:30 AM	0	38	2	0	40	2	0	2	0	4	0	63	0	Ō	63	0	0	0	0	0	0	107	107
08:45 AM	0	47	0	0	47	2	0	0	0	2	2	92	0	0	94	0	0	0	0	0	0	143	143
Total	0	187	7	0	194	6	0	6	0	12	4	307	0	0	311	0	0	0	0	0	0	517	517
*** BREAK	***																						
04:00 PM	0	101	1	0	102	1	0	0	0	1	0	54	0	0	54	0	0	0	0	0	0	157	157
04:15 PM	0	75	0	0	75	0	0	1	0	1	0	59	0	0	59	0	0	0	0	0	0	135	135
04:30 PM	0	82	1	0	83	1	0	2	0	3	1	81	0	0	82	0	0	0	0	0	0	168	168
04:45 PM	0	87	0	0	87	0	0	0	0	0	0	64	0	0	64	0	0	0	0	0	0	151	151
Total	0	345	2	0	347	2	0	3	0	5	1	258	0	0	259	0	0	0	0	0	0	611	611
05:00 PM	0	122	0	0	122	0	0	0	0	0	0	79	0	0	79	0	0	0	0	0	0	201	201
05:15 PM	0	113	0	0	113	0	0	0	0	0	0	95	0	0	95	0	0	0	0	0	0	208	208
05:30 PM	0	100	0	0	100	0	0	0	0	0	0	72	0	0	72	0	0	0	0	0	0	172	172
05:45 PM	0	90	0	0	90	0	0	0	0	0	0	76	0	0	76	0	0	0	0	0	0	166	166
Total	0	425	0	0	425	0	0	0	0	0	0	322	0	0	322	0	0	0	0	0	0	747	747
Grand Total	0	1165	19	0	1184	15	0	11	0	26	10	1221	0	0	1231	0	0	0	0	0	0	2441	2441
Apprch %	0	98.4	1.6			57.7	0	42.3			0.8	99.2	0			0	0	0					
Total %	0	47.7	0.8		48.5	0.6	0	0.5		1.1	0.4	50	0		50.4	0	0	0		0	0	100	
Cars	0	1037	13		1050	10	0	7		17	5	1071	0		1076	0	0	0		0	0	0	2143
<u>% Cars</u> Trucks	0	89	68.4	0	88.7	66.7 5	0	<u>63.6</u> 4	0	65.4 9	50 5	87.7	0	0	87.4	0	0	0	0	0	0	0	<u>87.8</u> 263
% Trucks	0	8.9	31.6	0	9.3	33.3	0	36.4	0	34.6	50	11.4	0	0	11.7	0	0	0	0	0	0	0	10.8
Semis	0	24	0		24	0	0	0		0	0	11	0		11	0	0	0		0	0	0	35
% Semis	0	2.1	0	0	2	0	0	0	0	0	0	0.9	0	0	0.9	0	0	0	0	0	0	0	1.4



8210 University Executive Park Charlotte, NC 28262

			s Road		Site O		•	Driveway			s Road			_			
		From	North			⊢ror	n East			From	South			From	West		
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Int. Total
Peak Hour Anal	sis Fror	n 07:00	AM to 1	1:45 AM -	Peak 1	of 1											
Peak Hour for E	ntire Inte	ersectior	n Begins	at 07:15	AM												
07:15 AM	0	51	4	55	1	0	0	1	0	83	0	83	0	0	0	0	139
07:30 AM	0	55	0	55	4	0	0	4	1	86	0	87	0	0	0	0	146
07:45 AM	0	51	3	54	2	0	2	4	1	89	0	90	0	0	0	0	148
08:00 AM	0	54	2	56	1	0	1	2	2	85	0	87	0	0	0	0	145
Total Volume	0	211	9	220	8	0	3	11	4	343	0	347	0	0	0	0	578
% App. Total	0	95.9	4.1		72.7	0	27.3		1.2	98.8	0		0	0	0		
PHF	.000	.959	.563	.982	.500	.000	.375	.688	.500	.963	.000	.964	.000	.000	.000	.000	.976
Cars	0	171	5	176	5	0	2	7	2	314	0	316	0	0	0	0	499
% Cars	0	81.0	55.6	80.0	62.5	0	66.7	63.6	50.0	91.5	0	91.1	0	0	0	0	86.3
Trucks	0	34	4	38	3	0	1	4	2	27	0	29	0	0	0	0	71
% Trucks	0	16.1	44.4	17.3	37.5	0	33.3	36.4	50.0	7.9	0	8.4	0	0	0	0	12.3
Semis	0	6	0	6	0	0	0	0	0	2	0	2	0	0	0	0	8
% Semis	0	2.8	0	2.7	0	0	0	0	0	0.6	0	0.6	0	0	0	0	1.4

Item 1.



8210 University Executive Park Charlotte, NC 28262





8210 University Executive Park Charlotte, NC 28262

		Downs	s Road		Site Or	ne Land	scape D	Driveway		Down	s Road						
		From	North			From	n East			From	South			From	West		
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Int. Total
Peak Hour Analy	ysis Fron	n 12:00	PM to 0	5:45 PM -	Peak 1	of 1											
Peak Hour for E	ntire Inte	rsection	Begins	at 05:00	PM												
05:00 PM	0	122	0	122	0	0	0	0	0	79	0	79	0	0	0	0	201
05:15 PM	0	113	0	113	0	0	0	0	0	95	0	95	0	0	0	0	208
05:30 PM	0	100	0	100	0	0	0	0	0	72	0	72	0	0	0	0	172
05:45 PM	0	90	0	90	0	0	0	0	0	76	0	76	0	0	0	0	166
Total Volume	0	425	0	425	0	0	0	0	0	322	0	322	0	0	0	0	747
% App. Total	0	100	0		0	0	0		0	100	0		0	0	0		
PHF	.000	.871	.000	.871	.000	.000	.000	.000	.000	.847	.000	.847	.000	.000	.000	.000	.898
Cars	0	394	0	394	0	0	0	0	0	263	0	263	0	0	0	0	657
% Cars	0	92.7	0	92.7	0	0	0	0	0	81.7	0	81.7	0	0	0	0	88.0
Trucks	0	27	0	27	0	0	0	0	0	58	0	58	0	0	0	0	85
% Trucks	0	6.4	0	6.4	0	0	0	0	0	18.0	0	18.0	0	0	0	0	11.4
Semis	0	4	0	4	0	0	0	0	0	1	0	1	0	0	0	0	5
% Semis	0	0.9	0	0.9	0	0	0	0	0	0.3	0	0.3	0	0	0	0	0.7

Item 1.



8210 University Executive Park Charlotte, NC 28262









Intersection

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
	EDL		EDN	VVDL		VVDN	INDL		NDN	SDL		SDR	
Lane Configurations		4			4			- ()-			- ()-		
Traffic Vol, veh/h	7	4	5	4	4	8	12	384	4	10	278	20	
Future Vol, veh/h	7	4	5	4	4	8	12	384	4	10	278	20	
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0	
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free	
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None	
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-	
Veh in Median Storage,	# -	0	-	-	0	-	-	0	-	-	0	-	
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-	
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90	
Heavy Vehicles, %	14	2	2	33	2	38	8	8	50	40	14	5	
Mvmt Flow	8	4	6	4	4	9	13	427	4	11	309	22	

Major/Minor	Minor2			Minor1			Major1			Major2			
Conflicting Flow All	804	799	320	802	808	429	331	0	0	431	0	0	
Stage 1	342	342	-	455	455	-	-	-	-	-	-	-	
Stage 2	462	457	-	347	353	-	-	-	-	-	-	-	
Critical Hdwy	7.24	6.52	6.22	7.43	6.52	6.58	4.18	-	-	4.5	-	-	
Critical Hdwy Stg 1	6.24	5.52	-	6.43	5.52	-	-	-	-	-	-	-	
Critical Hdwy Stg 2	6.24	5.52	-	6.43	5.52	-	-	-	-	-	-	-	
Follow-up Hdwy	3.626	4.018	3.318	3.797	4.018	3.642	2.272	-	-	2.56	-	-	
Pot Cap-1 Maneuver	288	319	721	268	315	556	1196	-	-	953	-	-	
Stage 1	649	638	-	530	569	-	-	-	-	-	-	-	
Stage 2	557	568	-	609	631	-	-	-	-	-	-	-	
Platoon blocked, %								-	-		-	-	
Mov Cap-1 Maneuver	274	310	721	258	306	556	1196	-	-	953	-	-	
Mov Cap-2 Maneuver	274	310	-	258	306	-	-	-	-	-	-	-	
Stage 1	640	629	-	523	561	-	-	-	-	-	-	-	
Stage 2	536	560	-	592	622	-	-	-	-	-	-	-	

Approach	EB	WB	NB	SB	
HCM Control Delay, s	15.7	15.2	0.2	0.3	
HCM LOS	С	С			

Minor Lane/Major Mvmt	NBL	NBT	NBR E	BLn1V	VBLn1	SBL	SBT	SBR
Capacity (veh/h)	1196	-	-	353	372	953	-	-
HCM Lane V/C Ratio	0.011	-	-	0.05	0.048	0.012	-	-
HCM Control Delay (s)	8	0	-	15.7	15.2	8.8	0	-
HCM Lane LOS	А	А	-	С	С	А	А	-
HCM 95th %tile Q(veh)	0	-	-	0.2	0.1	0	-	-

Intersection

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations		4			4			4			4		
Traffic Vol, veh/h	21	4	13	4	4	4	5	399	4	4	475	9	
Future Vol, veh/h	21	4	13	4	4	4	5	399	4	4	475	9	
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0	
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free	
RT Channelized	-	-	None										
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-	
Veh in Median Storage,	# -	0	-	-	0	-	-	0	-	-	0	-	
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-	
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90	
Heavy Vehicles, %	33	2	31	2	2	2	40	20	2	2	7	33	
Mvmt Flow	23	4	14	4	4	4	6	443	4	4	528	10	

Major/Minor	Minor2			Minor1		Ν	/lajor1		Ν	lajor2			
Conflicting Flow All	1002	1000	533	1007	1003	445	538	0	0	447	0	0	
Stage 1	541	541	-	457	457	-	-	-	-	-	-	-	
Stage 2	461	459	-	550	546	-	-	-	-	-	-	-	
Critical Hdwy	7.43	6.52	6.51	7.12	6.52	6.22	4.5	-	-	4.12	-	-	
Critical Hdwy Stg 1	6.43	5.52	-	6.12	5.52	-	-	-	-	-	-	-	
Critical Hdwy Stg 2	6.43	5.52	-	6.12	5.52	-	-	-	-	-	-	-	
Follow-up Hdwy	3.797	4.018	3.579	3.518	4.018	3.318	2.56	-	-	2.218	-	-	
Pot Cap-1 Maneuver	194	243	494	219	242	613	864	-	-	1113	-	-	
Stage 1	473	521	-	583	568	-	-	-	-	-	-	-	
Stage 2	526	566	-	519	518	-	-	-	-	-	-	-	
Platoon blocked, %								-	-		-	-	
Mov Cap-1 Maneuver	188	240	494	207	239	613	864	-	-	1113	-	-	
Mov Cap-2 Maneuver	188	240	-	207	239	-	-	-	-	-	-	-	
Stage 1	469	518	-	578	563	-	-	-	-	-	-	-	
Stage 2	513	561	-	497	515	-	-	-	-	-	-	-	

Approach	EB	WB	NB	SB	
HCM Control Delay, s	22.6	18.4	0.1	0.1	
HCM LOS	С	С			

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1V	VBLn1	SBL	SBT	SBR
Capacity (veh/h)	864	-	-	246	282	1113	-	-
HCM Lane V/C Ratio	0.006	-	-	0.172	0.047	0.004	-	-
HCM Control Delay (s)	9.2	0	-	22.6	18.4	8.2	0	-
HCM Lane LOS	А	А	-	С	С	Α	А	-
HCM 95th %tile Q(veh)	0	-	-	0.6	0.1	0	-	-

Intersection

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		4	LDIX	TIDE	4	WBIX	5	1	NBIX	1	<u>+</u>	1
Traffic Vol, veh/h	7	4	5	4	4	8	12	384	4	10	278	20
Future Vol, veh/h	7	4	5	4	4	8	12	384	4	10	278	20
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	150	-	-	100	-	100
Veh in Median Storage,	,# -	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	14	2	2	33	2	38	8	8	50	40	14	5
Mvmt Flow	8	4	6	4	4	9	13	427	4	11	309	22

Major/Minor	Minor2			Minor1			Major1		N	lajor2			
Conflicting Flow All	793	788	309	802	808	429	331	0	0	431	0	0	
Stage 1	331	331	-	455	455	-	-	-	-	-	-	-	
Stage 2	462	457	-	347	353	-	-	-	-	-	-	-	
Critical Hdwy	7.24	6.52	6.22	7.43	6.52	6.58	4.18	-	-	4.5	-	-	
Critical Hdwy Stg 1	6.24	5.52	-	6.43	5.52	-	-	-	-	-	-	-	
Critical Hdwy Stg 2	6.24	5.52	-	6.43	5.52	-	-	-	-	-	-	-	
Follow-up Hdwy	3.626	4.018	3.318	3.797	4.018	3.642	2.272	-	-	2.56	-	-	
Pot Cap-1 Maneuver	293	323	731	268	315	556	1196	-	-	953	-	-	
Stage 1	658	645	-	530	569	-	-	-	-	-	-	-	
Stage 2	557	568	-	609	631	-	-	-	-	-	-	-	
Platoon blocked, %								-	-		-	-	
Mov Cap-1 Maneuver	280	316	731	259	308	556	1196	-	-	953	-	-	
Mov Cap-2 Maneuver	280	316	-	259	308	-	-	-	-	-	-	-	
Stage 1	651	637	-	524	563	-	-	-	-	-	-	-	
Stage 2	538	562	-	593	623	-	-	-	-	-	-	-	

Approach	EB	WB	NB	SB	
HCM Control Delay, s	15.5	15.1	0.2	0.3	
HCM LOS	С	С			

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1\	VBLn1	SBL	SBT	SBR
Capacity (veh/h)	1196	-	-	360	374	953	-	-
HCM Lane V/C Ratio	0.011	-	-	0.049	0.048	0.012	-	-
HCM Control Delay (s)	8	-	-	15.5	15.1	8.8	-	-
HCM Lane LOS	А	-	-	С	С	А	-	-
HCM 95th %tile Q(veh)	0	-	-	0.2	0.1	0	-	-

Intersection

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		4			4		٦	4		٦	†	1
Traffic Vol, veh/h	21	4	13	4	4	4	5	399	4	4	475	9
Future Vol, veh/h	21	4	13	4	4	4	5	399	4	4	475	9
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	150	-	-	100	-	100
Veh in Median Storage,	, # -	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	33	2	31	2	2	2	40	20	2	2	7	33
Mvmt Flow	23	4	14	4	4	4	6	443	4	4	528	10

Major/Minor	Minor2		I	Vinor1		Ν	/lajor1		Ν	lajor2			
Conflicting Flow All	997	995	528	1007	1003	445	538	0	0	447	0	0	
Stage 1	536	536	-	457	457	-	-	-	-	-	-	-	
Stage 2	461	459	-	550	546	-	-	-	-	-	-	-	
Critical Hdwy	7.43	6.52	6.51	7.12	6.52	6.22	4.5	-	-	4.12	-	-	
Critical Hdwy Stg 1	6.43	5.52	-	6.12	5.52	-	-	-	-	-	-	-	
Critical Hdwy Stg 2	6.43	5.52	-	6.12	5.52	-	-	-	-	-	-	-	
Follow-up Hdwy	3.797	4.018	3.579	3.518	4.018	3.318	2.56	-	-	2.218	-	-	
Pot Cap-1 Maneuver	196	245	498	219	242	613	864	-	-	1113	-	-	
Stage 1	477	523	-	583	568	-	-	-	-	-	-	-	
Stage 2	526	566	-	519	518	-	-	-	-	-	-	-	
Platoon blocked, %								-	-		-	-	
Mov Cap-1 Maneuver	190	242	498	208	239	613	864	-	-	1113	-	-	
Mov Cap-2 Maneuver	190	242	-	208	239	-	-	-	-	-	-	-	
Stage 1	474	521	-	579	564	-	-	-	-	-	-	-	
Stage 2	514	562	-	498	516	-	-	-	-	-	-	-	

Approach	EB	WB	NB	SB	
HCM Control Delay, s	22.5	18.4	0.1	0.1	
HCM LOS	С	С			

Minor Lane/Major Mvmt	NBL	NBT	NBR E	BLn1V	VBLn1	SBL	SBT	SBR
Capacity (veh/h)	864	-	-	248	282	1113	-	-
HCM Lane V/C Ratio	0.006	-	-	0.17	0.047	0.004	-	-
HCM Control Delay (s)	9.2	-	-	22.5	18.4	8.2	-	-
HCM Lane LOS	А	-	-	С	С	Α	-	-
HCM 95th %tile Q(veh)	0	-	-	0.6	0.1	0	-	-

Movement	EB	WB	NB	SB
Movement	ED	VVD	IND	৩০
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	43	63	56	63
Average Queue (ft)	11	12	5	6
95th Queue (ft)	36	45	27	35
Link Distance (ft)	709	728	817	344
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	88	31	68	21
Average Queue (ft)	34	10	4	1
95th Queue (ft)	74	33	32	9
Link Distance (ft)	709	728	817	344
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	L	L
Maximum Queue (ft)	46	65	22	52
Average Queue (ft)	9	18	3	4
95th Queue (ft)	32	53	16	25
Link Distance (ft)	689	722		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			150	100
Storage Blk Time (%)				
Queuing Penalty (veh)				

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	L	L
Maximum Queue (ft)	88	35	16	20
Average Queue (ft)	28	9	1	1
95th Queue (ft)	67	33	11	7
Link Distance (ft)	689	722		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			150	100
Storage Blk Time (%)				
Queuing Penalty (veh)				



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1. * 100' STORAGE MAY BE USED FOR NOTED LEFT TURN LANE ON NATIONS FORD ROAD IF THE TURN LANE IS NOT USED FOR A TRUCK

2. ROADWAY IMPROVEMENTS, INTERSECTION LOCATIONS, ETC. ARE SUBJECT TO APPROVAL BY PERMITTING AUTHORITIES.













Memo

To:	Ryan Spitzer, Town Manager				
From:	Michael Hudgins, Chief of Police				
CC:	Roxy McMahon, Senior Administrative Assistant				
Date:	4/18/2023				
Re:	Towing Ordinance				

Mr. Spitzer, if you recall, a gentleman spoke to Town Council at the February Town Council meeting about the unethical business practices of Tip Towing Company. His comments were corroborated in an email from Corporal Kimel to Sergeant Cook on February 14, 2023. Within her email, Corporal Kimel noted the following issues surrounding the business practices of Tip Towing Company:

Within the past few months, we have been dealing with this company (Tip Towing) practicing "shady" business to say the least. They began trying to tow vehicles that were occupied, which we were able to put a stop to based upon state law; however, recently they have been placing "boots" on occupied vehicles and charging a fee to the occupants to remove the boots (ranging upwards of \$200 to have the boot removed). The parking lot has no visible signage within the parking lot to warn subjects that they cannot be parked for more than a certain period or repercussions would occur. I believe there is only one entrance that has a sign in general, but another issue is that there are at least three other access points/ entrances to the parking lot that have no signs. I have spoken with two (2) tow truck drivers requesting that their company place more signs out as subjects have no warning or knowledge that if they park in the parking lot they are subject to tow/booting after a period of time. Another issue that has also been common with this is that most of the individuals who are being booted have a gym membership to Planet Fitness and thought that since they are a customer and pay dues that they could use the parking lot to nap during truck hauls or traveling trips.

In her email, Corporal Kimel also pointed out our Town does not have an ordinance to regulate towing practices, and based on my research, the state code only regulates private parking spaces, which does not apply to this issue. Moreover, Corporal Kimel also noted that other surrounding jurisdictions have towing ordinances on the books. Since the state and our Town lack regulatory authority over towing practices, the police department cannot change the behavior of the Tip Towing, outside of persuasion. I would like to change this position.

Respectfully, to address this issue, I would like to propose new towing and booting ordinances to our Town Council. Additionally, I recommend creating a new title in the Town's ordinance called Title VIII – "Towing and Booting".

We have reviewed Charlotte's ordinances, and we believe their ordinances substantially address the issues our officers have witnessed. Therefore, we respectfully submit the following ordinances for consideration by Town Council:

TITLE VIII. TOWING AND BOOTING

Sec. 80. Definitions.

The following words, terms, and phrases, when used in this article, shall have the meanings ascribed to them in this section, except where the context indicates a different meaning:

Boot means any device attached to a vehicle that prevents the vehicle from being driven.

Booting service means any person or entity that engages in or who owns or operates a business that engages in whole or in part in the booting of vehicles.

Class A vehicle means any vehicle with a gross weight up to and including 9,000 pounds.

A private parking lot means any parking lot or area owned by a private entity that provides parking spaces for a fee or requires the permission of the owner, lessee, or agent before a person may park at that location. A private parking lot includes vehicle parking spaces in an apartment complex or shopping center.

Tow means to haul, carry, pull along, or otherwise transport or remove a motor vehicle by means of another vehicle.

Towing service includes any person or other entity, whether licensed or not, that engages in or who owns or operates a business that engages, in whole or in part, in the towing or removal of motor vehicles for compensation.

Trespass towing means the towing or removal of a vehicle, without the consent of the vehicle's owner or operator, that is parked on a private parking lot without the property owner or agent's consent.

Sec. 80 -1. Towing of vehicles for compensation.

No towing service shall conduct a trespass tow of a class A vehicle from a private parking lot for compensation when the point of origin of the tow is within the jurisdictional limits of the city without complying with the provisions of this article.

Sec. 80-2. Trespass towing of vehicles from private parking lots; signs required.

It shall be unlawful to tow or remove or immobilize by use of any wheel lock or other method, a motor vehicle that is parked on private property or private parking lot without the permission of the owner or lessee of the motor vehicle unless notice is posted in accordance with the provisions of this section on the private property from which the towing, removal, or immobilization occurs. The notice shall meet the following requirements:

(1) The notice must be in the form of a sign structure and not less than 24 inches by 24 inches and not larger than six square feet and constructed of metal, plastic or other type of material that is enduring in nature. The notice shall be prominently posted on the private property at each access or curb cut allowing vehicle access to the property and within five feet of the street right of way line. If there are no curb or access barriers, notices shall be posted not less than every 50 feet facing the frontage of the public street and facing the private parking lot. In addition, a sign not less than 12 inches by 18 inches in size may be posted with lettering on both sides at each parking space from which an unauthorized vehicle could be towed, removed, or immobilized.

(2) The notice shall clearly display the following:

a. In not less than one and one-half inch high letters red in color on a contrasting white background, the words "tow-away-zone" or "towing enforced."

b. In not less than one inch high letters red in color on a contrasting white background, a statement that parking is never authorized by stating "private property – no parking" or where parking is permitted under limited circumstances, by stating "authorized parking only" or "leased parking only", or "parking for ______ customers only", or "parking for residents only", or a similar phrase that specifically identifies the conditions under which someone may park on the property. If parking is only allowed for a specified time, then the sign shall specifically state the days and hours when parking is permitted.

c. In not less than one inch high letters red in color on a contrasting white background, the phone number that a person can call to retrieve the towed vehicle and the name and address of the storage facility where the vehicle is stored.

(3) The sign displaying the required notices shall be permanently installed with the bottom of the sign not less than three feet foot above ground level and the top of the sign not more than eight feet above ground level.

Sec. 80-3. Trespass towing of vehicles from private parking lots; practices

(c) Any towing service that engages in a trespass tow or any storage facility that receives motor vehicles that have been towed as a result of a non-consensual tow from private property shall accept cash and at least two major credit cards and any debit card for any fee established by this article. Upon request, the employee for the towing service or storage facility will provide a receipt to the owner or operator of the towed motor vehicle.

(d) Any towing service that engages in a trespass tow or any storage yard that receives motor vehicles that have been towed as a result of a non-consensual tow from private property shall have a person on call 24 hours every day who acknowledges requests to retrieve a towed motor vehicle within 15 minutes of receiving an inquiry from the owner or operator of the towed motor vehicle. If the owner or operator wishes to retrieve the motor vehicle, then the towing service or storage facility must make the vehicle available within 45 minutes of the request.

(e) The lot or facility to which a trespass towed vehicle is removed shall be located within 20 miles of the Town limits.

(f) No towing service shall remove a motor vehicle from a private lot from the hours of 7:00 a.m. to 7:00 p.m. unless the owner or agent of the private lot signs a contemporaneous specific written authorization for such removal which is presented to the wrecker driver of the towing service. The agent must be someone other than an employee of the towing service. The written authorization shall contain the reason for the tow, the make, model, year, color, vehicle identification number (VIN) and license plate number. The wrecker driver shall contact the non-emergency number for the Pineville Police Department and provide the above information. The motor vehicle will not be removed from the private lot until the driver has been advised of a complaint number.

Sec. 80-4. Return of class A vehicle to owner after a trespass tow.

The owner of a towing service shall have someone on call from 7:00 a.m. to 7:00 p.m. for the return of a class A vehicle to the owner trespass tow.

Sec. 80-5. Trespass towing notice to police required.

Any towing service operating within the city shall, within 30 minutes of the removal of the vehicle from a private parking lot, notify the nonemergency police service bureau of the Pineville Police Department of the towing; the storage site; the time the vehicle was towed or removed; and the make, model, year, color, vehicle identification number (VIN), and license plate number of the vehicle; and shall obtain and retain the Pineville Police Department's case number assigned to the call.

Sec. 80-6. Penalty.

A violation of §§ 80-1 through 80-5 shall not constitute a misdemeanor or infraction punishable under G.S. § 14-4, but instead shall be subject to the civil penalties fixed by § 10.99.

Sec. 81-1. Booting of a vehicle on a private lot.

No booting service shall boot a vehicle within the Town limits without complying with the provisions of this article. However, this section does not apply to any company that is acting on behalf of a governmental agency.

Sec. 81-2. Booting of vehicles on private parking lots; signs required.

(a) No booting service shall boot a vehicle, of any size or weight, on a private parking lot unless a sign is conspicuously posted and clearly visible from all vehicle and pedestrian entrances to the property. The sign must clearly provide the following information:

(1) The property is a private lot and a vehicle not authorized to park on the property will be booted at the owner's expense;

(2) The name, telephone number, and address of the person or company that is authorized to remove the boot;

(3) A statement that the boot may be removed at anytime, day or night, upon payment not to exceed the amount specified in section 81-3.

(b) When the booting service is contacted to remove the boot, a designated employee of the company will respond within one hour.

(c) An occupied vehicle may not be booted.

Sec. 81-3. Fee charged for removing boot.

(a) The fee to remove a boot shall not exceed \$50.00.

(b) It is unlawful for a private booting company, unless it is acting on behalf of a governmental agency, to place a boot on a motor vehicle parked on the public right-of-way.

Sec. 81-4. Penalty.

A violation of §§ 81-1 through 81-3 shall not constitute a misdemeanor or infraction punishable under G.S. § 14-4, but instead shall be subject to the civil penalties fixed by § 10.99.

I look forward to your feedback and direction concerning this matter.

Memorandum



To: Mayor and Town Council

From: Ryan Spitzer

Date: 4/21/2023

Re: LIV Development – Church & College Streets

U S Developments will present the parking options for downtown, including how many parking spaces can be developed on the parcels we were going to put the Fire Department on, at the Work Session on Monday night.