# PLANNING AND ZONING BOARD MEETING CITY OF LAKE CITY <br> March 05, 2024 at 5:30 PM <br> Venue: City Hall 

## AGENDA

The meeting will be held in the City Council Chambers on the second floor of City Hall located at 205 North Marion Avenue, Lake City, FL 32055. Members of the public may also view the meeting on our YouTube channel. YouTube channel information is located at the end of this agenda.

## INVOCATION

ROLL CALL

## MINUTES

i. Meeting Minutes: February 6, 2024
ii. Meeting Minutes; 01-10-2024 and 01-17-2024 Special Called Planning and Zoning Meeting

## OLD BUSINESS

iii. CPA23-06 and Z23-07- Petitions submitted by David Winsberg (owner), to amend the Future Land Use Map and Official Zoning Atlas of the Land Development Regulations by changing the Future Land Use from Residential Medium to Residential High density and changing the zoning district from Residential Single-Family 3 and Residential Multi-Family 1 to Residential MultiFamily 2 on property described, as follows: Parcel No. 11602-002 and 11642000..

## NEW BUSINESS

iv. SPR24-03, Petition submitted by Michael Wagner. (agent) for WPG-Lake City, LLC (owner), for a Site Plan Review for Wawa, in the Commercial Intensive Zoning District, and located on parcels 06185-000 and 06233-000, which is regulated by the Land Development Regulations section 4.13.
v. SPR24-02, Petition submitted by Carol Chadwick. (agent) for Kevin Bedendbough (owner), for a Site Plan Review for Melrose Place, in the Residential Multi-Family 2 Zoning District, and located on parcel 13536-005, which is regulated by the Land Development Regulations section 4.9.

## WORKSHOP- None

## ADJOURNMENT

## YouTube Channel Information

Members of the public may also view the meeting on our YouTube channel at: https://youtube.com/c/CityofLakeCity

Pursuant to 286.0105 , Florida Statutes, the City hereby advises the public if a person decides to appeal any decision made by the City Council with respect to any matter considered at its meeting or hearings, he or she will need a record of the proceedings, and that, for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

Pursuant to 286.26, Florida Statutes, persons needing special accommodations to participate in this meeting should contact the City Manager's Office at (386) 719-5768.

File Attachments for Item:
i. Meeting Minutes: February 6, 2024

## PLANNING AND ZONING

## MEETING MINUTES

DATE: 02/06/2024

## ROLL CALL:

Mrs. McKellum- Present
Mr. McMahon- Present Mr. Nelson- Present
Mr. Carter- Present
Mr. Lydick- Present City Attorney- Clay Martin- Present

MINUTES: January 03, 2023 Planning and Zoning Meeting.
Comments or Revisions: None
Motion to approve 01/03/2024 Meeting Minutes by Mr. Carter and seconded by Mr. Nelson.

## OLD BUSINESS: None

## NEW BUSINESS:

Petition \# LDR 24-03 Presented By: Robert Angelo
As owner or agent and gives address of:
Petitioner is Sworn in by:

## Discussion:

Robert Introduced petition LDR 24-03. Robert stated that we are doing a complete rewrite of the parking requirements in the Land Development Regulations for the City of Lake City. Robert presented the power point titled, Parking Requirements Text Amendment. Robert stated that after the Planning and Zoning Board, then this would go to the City Council to be adopted.

Robert stated that he looked an existing plaza, plaza where Publix is. Robert stated that they currently have about 270 parking spaces and the current regulations would require about 450 to almost 500 spaces. Robert stated that with the new parking requirements the plaza would require about 350 parking spaces. Robert stated that even with the new requirements that plaza would still be short on spaces. Mr. McMahon asked if Publix would be a big box retailer. Robert stated that they would be considered a shopping plaza being they have other retailers in the plaza with them. Mr. McMahon.

Mr. Lydick asked how amendable is the City on this as far as making some minor tweaks to this? He stated that for instance clubs and charitable establishments would require a lot of spaces based on the member count. Robert stated that we looked at other jurisdictions that Mr. Young pulled them from. Mr. Lydick asked if there was a variance for parking in the new requirements? Robert stated that there is not one and there is not one in the current regulations. Robert stated that we could add that in to the regulations. Robert stated that is why we are bringing this in front of the board is to get their feedback. Mr. Carter agreed that there needs to be a process in place to adjust.

Mr. Lydick asked if we reached out to some of our local businesses and got their input? Robert stated that they have not done that, but that is something we could do before the next meeting. Robert stated that we want it right for the citizens. Mr. Lydick asked at what point does a big box retailer become a shopping plaza? Robert stated that the plaza with Big Lots is a shopping plaza being that they several businesses that use the same parking lot. Robert stated that a business-like Lowe's or Walmart where they are the only one on the lot and have there own parking lot is considered a big box retailer as they do not share the parking lot with anyone.

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Public Comment:

Carol Chadwick stated that she is in support, as a professional engineer, of this and that there are businesses waiting for this to get passed. Mr. Lydick asker her is she had a chance to review any of the text. She stated that she has not.

Sylvester Warren stated he is a local developer and applauds the staff for proposing this. He stated that when he was no the board they had a dental office come in front of them that would have turned out completely different for them. He stated that this will help the City grow. He stated that there is a lady that wants to open up a pharmacy. He stated the sites that she is looking at are not able to be used due to the amount of impervious surface that needs to be put in. He stated that this amendment would allow her to be able to develop the property she is looking at.

Motion to close public comment by: Mr. Carter Seconded by: Mrs. McKellum

Board Discussion:

Mr. Carter stated that he thinks this is an excellent idea. He stated that we have had people come before them that could not do what they wanted to due to the parking.

Mr. Lydick asked Mr. Young if this would put an undo burden on the department and staff to make the changes that talked about. Mr. Young stated that it would not.

## Motion to table LDR 24-03 to allow to create some addendums and allow time to survey local

 businesses to get feedback by: Mr. Carter Motion Seconded By: Mr. NelsonMrs. McKellum: Aye<br>Mr. Nelson: Aye<br>Mr. McMahon: Aye<br>Mr. Carter: Aye<br>Mr. Lydick: Aye

Agenda Item \# Resolution 2024 PZ-SP-01 Introduced By: Clay Marin, City Attorney

Mr. Martin introduced Resolution 2024 PZ-SP-01. He stated the purpose or the resolution for the denying of Petition SPR 22-15 submitted by Circle K. He stated that the basis for denial are in items A thru H of the recitals. Mr. Lydick asked at what point does the ratification become effective. Mr. Martin stated that once the Board ratifies it, it is effective. He stated that this gives the party a date and a written action to which the appeal process can start if appealed.

Mr. Martin read the resolution by title.

Motion to Adopt PZ-SP 24-01 by: Mr. Carter Motion Seconded By: Mr. Nelson
Mrs. McKellum: Aye Mr. Nelson: Aye Mr. McMahon: Aye
Mr. Carter: Aye Mr. Lydick: Aye

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## WORKSHOP:

## Discussion:

Mr. McMahon asked if the decision of the denial of Circle K's project was appealed where would it go. Mr. Martin stated that they need to do some research as the text currently in the LDR would have it come before the Board of Adjustments which is the same group. He stated that this would not allow for due process.

Robert asked the Board what they would like to see as a workshop for the next couple months. The Board stated that they would like to discuss Robert's Rules of Order and meeting decorum.

## ADJOURNMENT

Mr. Lydick closed the meeting.

Motion to Adjourn by: Mr. Carter
Time: 6:10 pm
Motion Seconded By: Mrs. McKellum

Mr. Lydick, Board Chairperson

Robert Angelo, Secretary

Date Approved

Date Approved

File Attachments for Item:
ii. Meeting Minutes; 01-10-2024 and 01-17-2024 Special Called Planning and Zoning M eeting

# SPECIAL CALLED PLANNING AND ZONING 

## MEETING MINUTES

DATE: 01/10/2024 and 01/17/2024

## ROLL CALL:

$\begin{array}{ll}\text { Mrs. McKellum- Present } & \text { Mr. McMahon- Present }\end{array}$

Mr. Carter- Present

Mr. Lydick- Present
MINUTES: None
Comments or Revisions: None
Motion to forego 01/03/2024 Meeting Minutes by Mr. Carter and seconded by Mr. Nelson.

## OLD BUSINESS: None

## NEW BUSINESS:

Petition \# SPR22-15 Presented By: Jarod Stubbs, as Agent
As owner or agent and gives address of: 755 Commerce Ct, Decatur, GA
Petitioner is Sworn in by: Mr. Lydick
Mr. Walker discussed with the Chair about swearing any that wishes to speak at the meeting on 01-102024 or 01-17-2024. Mr. Walker swore in all that wished to speak.

Mr. Walker discussed with the Board about ex-parte communications and asked the Board if they had any ex-parte communications. Mr. Nelson stated no. Mr. McMahon stated no. Mr. Carter stated that he had some general discussion. Mr. Walker asked him it would have an effect on his decision. Mr. Carter stated no. Mrs. McKellum stated no. Mr. Lydick stated no, but one of the attorneys that will be speaking on the project is working on a land deal that he is part of but has no monetary gain in the land deal. Mr. Walker and Mr. Lydick discussed whether it would influence his decision. Mr. Lydick stated no.

Mr. Walked explained the reason for this meeting as this matter was heard and approved in July of 2022. He stated that due to improper public notice it would need another hearing, a duo novo hearing.

## Discussion:

Robert Angelo introduced petition SPR 22-15. Robert stated that the applicant is looking to add high-flow diesel pumps to the rear of there current facility. Robert stated that the application is listed three parcels but is was re-plated into two parcel leaving parcels 02524-001 and 02524-102. Robert stated that the current use is for automotive service station and is permitted per Land Development Regulations Section 4.15.2.1. Robert stated that the staff review from 2022 did not change any and staff's comments were still the same. Mr. Lydick asked if Robert could go thru the steps as how we got to where we are. Robert stated that the project was approved in July in 2022. Robert stated that Nick Patel expressed concerns of the project. Robert stated that upon review of the application the City noticed that the project was not properly noticed. Mr. Walked stated that the Land Development Regulations states that you do not need to notice the hearing. Mr. Walker stated that all the attorneys in

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the room would agree that this is a quasi-judicial matter, and the public did not have a chance to be heard and it is his opinion that the petition needs to be re-heard.

Marshall Rainey spoke on behalf of Circle K. He introduced the parties on there side, John Shell owner of GWC Developments and Mike Higgins Real Estate Director for Circle K. He stated that Circle K has a ground lease for the two parcels. He stated that they are looking to add four high flow diesel pumps. He showed a diagram for the site plan which is page C-4 of the site plan. He stated that the site would have three spots for refueling behind the existing facility and six parking spots.

He stated that they have objected to the appeal the whole time. He stated that the rules in place at the time stated that no public notice or meeting is required per the Land Development Regulations 13.11.3. He stated that Circle K's position has been that it is inappropriate to throw out the baby out with the bath water in July of 2022. He stated that there was no objection from nobody, staff, FDOT, and anyone till October 2022 when Mr. Patel raised concern. He stated that they had received there building permit in February 2023. He stated at that time no lawsuit or appeal had been filed. He stated that it is a 30 -day appeal period.

He stated that Circle K signed a long-term ground lease and signed a construction contract. He stated that months after the project was approved Mr. Patel filed an appeal of the construction permit. He stated that Mr. Patel's attorneys are calling the issuing of the permit a development order. He stated that the development order is the approval of the site plan by the board. He discussed the appeal process and how it would go to the City Council.

He stated that Mr. Walkers office notified them that the project was not properly noticed and that the project would need to be heard over. He stated that they objected to that, but they wanted to play nice and put the project on hold. He stated that the whole basis of the appeal was for if the four high flow diesel pumps make it a truck stop. He stated the definition of a truck stop in the Land Development Regulations in section 2.1. He stated that the site currently has 24 gas pumps and the addition is only for four diesel pumps. He stated that it is going to be $95 \%$ cars and $5 \%$ trucks. He stated that it is not a truck stop based on the definition. He stated that they are not going to have any of the accommodations that you normally have at a truck stop. He stated that the City has not changed its position.

He stated that no one has provided a traffic analysis except Circle K. He stated that the area is an intense commercial area. He stated that no other development in the Gateway Crossing Development has not had to provide no where near the level of a traffic analysis.

Mr. Walker address the Chair, Board, and audience about quasi-judicial hearing and that all comments go thru the chair and that everyone will be heard.

Mike Higgins, Director of Real Estate for Circle K. Mr. Rainey started questioning Mr. Higgins. He asked him to explain his role with Circle $K$ and what his involvement with the site was. Mr. Higgins stated that he is very familiar with the site. He stated what Circle $K$ is looking to do with the site. Mr. Rainey asked if he knew about how much fuel the current site pumps. He stated just under five million gallons a year. Mr. Rainey asked him if this was a high-volume store. He stated yes. He asked if there were any projections for the additional pumps He stated about 1.5 million gallons. He asked if they expected to see about one third more vehicles out there. He stated no, because a truck takes ten times the amount of fuel. He asked what the average car put in their car verse a truck. He stated the average car put about ten gallons in. He stated that the average truck puts in about one hundred gallons.

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Mr. Rainey asked if Circle K hired an engineer to handle the project. He stated yes, Kimley Horne. Mr. Rainey asked if a representative of Kimley Horne was there. He stated yes, Jarod Stubbs. He asked when the project was approved and was it approved unanimously. He stated yes, in July of 2022. Mr. Rainey asked what steps they took next. He stated that they got cooperate approval to move forward.

Mr. Rainey asked how much Circle K was paying on there lease. He stated eleven thousand dollars a month. Mr. Rainey asked if they hired a general contractor. He stated yes. Mr. Rainey asked if he was aware of the concerns from Mr. Patel. He stated yes. He asked him when he learned of the objections. He stated in November.

Mr . Rainey asked if the traffic is consistent with other developments and the Commercial Highway Interchange. He stated yes. Mr. Rainey asked about trucks coming around to the front of the site. He stated that the only trucks that would be out front is deliveries but not regular traffic. Mr. Rainey asked with the expansion were they adding bathrooms. He stated yes, because that is a major complaint from the store. Mr. Rainey asked if there were going to be any showers. He stated no. Mr. Rainey asked if they were going to add a restaurant or any overnight accommodations. He stated no.

Mr. Rainey called John Shell, owner of Gateway Crossings Partners. John stated that he was involved with property when the original development plan was approved by the City. He stated that he was contacted but Mr. Neely to partner with him to develop the property. He stated that they purchased the land in 2015. Mr. Rainey asked if they did a traffic analysis of the site. He stated yes, they did one for the whole site in 2015. He stated that they came up with a density for the entire build out.

Mr. Rainey asked if he spoke with Kimley Horne about the Circle K traffic analysis and if it was anywhere close to what they projected back in 2015. He stated he did discuss if with Kimley Horne and that they are nowhere close to being at capacity. He stated they were more ambitious in 2015 and that it will never reach that density. Mr. Rainey asked if GWC owned the lot that Circle $K$ is currently on. He stated no they develop the lots, then either sell them or lease them. Mr. Rainey asked if Circle K entered a lease with them for lot two. He stated yes.

Mr. Rainey asked if he had the opportunity to speak with anyone from the City and discuss if this site would be a truck stop. He stated that he had a conversation with Dave Young in 2021. He stated that it was determined then that this was not a truck stop. Mr. Rainey asked how he heard about the concerns for the site. He stated that there were some articles in the paper. He said that he had some conversations with Mr. Patel. He stated that they agreed to disagree about the use. He stated that he asked Mr. Patel why they did not hear from him in a timely manner.

Mr. Rainey asked him from the conversations, what was Mr. Patel's primary concerns. He stated that the stacking characteristics of the traffic. He stated in Mr. Patel's view this is a truck stop. Mr. Rainey asked if Mr. Patel offered up any suggestions as to the fix of the concerns. He stated out of respect to Mr. Patel that neither of them is a traffic engineer, but in Mr. Patel's opinion that there should be another turn lane. He stated that he told Mr. Patel that the road is owned by the City.

Mr. Rainey asked if the addition of the new pumps is consistent with the Commercial Highway Interchange district. He stated yes, otherwise they would not have entered into a long-term lease.

Mr. Rainey asked if he was aware that Mr. Patel partners own other hotels that abuts the district. He stated yes, they own several. Mr. Rainey asked if they own Comfort Inn and Suites and encourages truck parking. He stated yes, matter of fact last night there were ten or so eight-teen wheelers parked there. Mr. Rainey asked if he was aware of any billboards advertising truck parking there. He stated yes, there is a large one on 1-75. He stated that it had a big star burst that states trucks

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welcome. Mr. Shell stated that it is more of a truck stop than what the expansion of Circle K is. Mr. Rainey asked if he had discussed the Comfort Inn and Suites site with Mr. Patel. He stated yes, on a previous business matter. Mr. Rainey asked if they discussed if that open parcel next to Comfort Inn and Suites is for sell. He stated that no it was not. He said that Mr. Patel said that he had other partners and it was decided that the site was more valuable to them for truck parking. Mr. Rainey stated right across the street. Mr. Shell stated yes, about one hundred and eighty feet away.

Mr. Rainey turned the questioning over to his partner Jason Gabriel. Jason stated he would be asking questions for Vincent Spark, a traffic engineer. Mr. Gabriel asked what his role was with Kimley Horne. He stated that he is a traffic engineer, mainly prepares traffic analysis for public and private sector.

Mr. Gabriel asked if he was familiar with the site. He stated yes, he prepared the traffic analysis for the site. Mr. Gabriel asked if Circle K had Kimley Horne prepare traffic analysis for the site. He stated yes. One in early 2022 and the other in October 2022. Mr. Gabriel asked if he reviewed the traffic analysis the Mr. Shell referred to in his questioning. He stated that they reviewed the traffic analysis prepared in 2015. He stated what the traffic analysis involved as to density. Mr. Gabriel asked him if it was a comprehensive look at the site. He stated yes. Mr. Gabriel asked compared to the traffic analysis in 2015 to current time how does that look. He stated that the traffic analysis in 2015 was a comprehensive report for the entire build out and that all the current and proposed development is considerably less traffic that what was projected.

Mr. Gabriel asked about how far the intersection is from the exit ramp form I-75. He stated about four hundred feet. Mr. Gabriel asked what zoning district the sire was in. He stated the Commercial Highway Interchange. Mr. Gabriel asked what uses were allowed in the area. He stated mostly commercial and industrial use and that there is not any district that is much more intense. Mr. Gabriel asked if the Commercial Highway Interchange for the City of Lake City was and intense use. He stated a relative intense use.

Mr. Gabriel asked how many fuel stations and how many pumps are currently on the site. He stated twenty-four fueling stations and twelve pumps. Mr. Gabriel asked how many fueling stations and pumps were being proposed. He stated three refueling stations and four pumps. He stated that each fueling station will have two hoses for the trucks. Mr. Gabriel asked what is the ratio of the cars verse the trucks. He stated about $95 \%$ auto and $5 \%$ truck. He stated that it takes longer to fuel a truck, about ten to fifteen minutes.

Mr. Gabriel asked him to summarize the traffic analysis. He discussed the traffic analysis and stated the proposed expansion would not dramatically affect the site. Mr. Gabriel asked him if they took traffic counts from Centurion Ct and Hwy 90 and if they were conservative. He stated yes, and they viewed as all the traffic going to Circle K. Mr. Gabriel asked what the focus was on the traffic analysis. He stated that they looked at LOS, stacking, delays, and movements mainly north and south. Mr. Gabriel asked if they looked at AM and PM hours. He stated yes. Mr. Gabriel asked what the existing PM trips were. He stated that the existing PM trips in was one hundred twenty-two and one hundred six-teen out. Mr. Gabriel asked about how many PM trips were estimated. He stated about seventy-two new trips, thirty-six in and thirty-six out. He stated that the ITE has a trip generation for each use but that it is for the whole US and sees a use in Atlanta the same as Lake City and they calibrated it to the current conditions.

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Mr. Gabriel asked if they looked at any of the other sites proposed. He stated yes, at a high level based on the information from the City. He discussed the amount of the traffic from the other developments. He stated that the other sites were proposing a considerable amount more traffic than the Circle K. He stated that the other sites only looked at how many trips were being generated and did not look at where they were going. Mr. Gabriel asked if in his opinion was there any upgrades needed. He stated with looking at the existing conditions that it would not and that the LOS would stay a B. He stated that FDOT could adjust the green times to help the intersections.

Mr. Gabriel asked if there were going to be any accommodations for trucks other than the addition of the pumps. He stated no. Mr. Gabriel asked about the technical evaluation of the October traffic analysis done by Kimley Horne, for Circle K, provided by Mr. Buckholtz. Mr. Gabriel asked that he states in there the evaluations that Kimley Horne analysis uses a 3.61 growth rate and ignores Rib Crib, Sonic, and U-Haul. He stated that those developments were approved after the Circle K project. Mr. Gabriel asked about the reference $69 \%$ reductions and all the traffic on Centurion Ct being considered as going to Circle $K$ and that if the popularity of Circle $K$ increases then the trip generation could double. He stated that they did the reduction at $69 \%$ based ITE suggestions to do so. He stated that the ITE suggests adjusting the calculations to local conditions and variables. He stated that the over counts and under counts, they were being conservative. They looked at it as all the trips going to Circle $K$ and not going anywhere else, even though a lot of the traffic currently on Centurion Ct goes to Denny's and the Hotel.

Mr. Gabriel asked about the reduction is trips being calculated not taking into count the trips on I-75 and projecting the traffic count to low. He stated that typically the pass by counts do not come from the interchange but come from road that the site is on. He stated they did not remove any from there counts. He stated they considered all the trips still going to Circle K.

Mr. Gabriel asked about his reference to the $95 \%$ que length and the blocking of Denny's entrance. He stated that the south bound form seven vehicles to eight vehicles. He stated that the current stacking will already block Denny's and that per State Statue 163 are not responsible for fixing the current problem. Mr. Gabriel asked what is your professional opinion of Mr. Buckholtz evaluation. He stated that the only sense that it was inaccurate and incomplete is that they were overly conservative. He stated that the refence to the addition of green arrows is wrong and you can see that in any google street view.

Mr. Gabriel turned the questioning over to Mr. Rainey. Mr. Rainey asked Jarod Stubbs to introduce himself and his background. He did. Mr. Rainey asked how he was involved with the project. He stated that he was the involved the site plan review in 2022 and started the concept in 2021. Mr. Rainey asked about the circulation on the site plan page 4.2. He discussed the circulation and the turn lane. He stated that the fixing of the turn lane was based on detailed coordination with FDOT. He stated that the current curbing is broken due to trucks running over the curb.

Mr . Rainey asked abut the fuel truck routing movements. He stated the route of the fuel truck and that it is how it is currently. He stated that they are proposing new fuel storage tanks to the north of the current building and would only be accessed from the rear of the building. Mr. Rainey asked if the delivery trucks and refueling trucks currently travel to the front of the building. He stated yes. Mr. Rainey asked if they were going to install any signs restricting truck traffic to the front of the building. He stated yes. He said that this was considered and coordinated with the City after hearing of the concerns from Mr. Patel and would put no overnight parking signs.

Mr. Rainey asked if he had discussion with City staff about whether this would be a truck stop. He stated after Mr. Shells meeting with Mr. Young he had a meeting with Mr. Young and City staff in

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September 2021 to discuss zoning and zoning process. He stated that at that meeting he verified with Mr. Young that no additional approvals would be needed. Mr. Rainey asked is it your understanding that since September 2021 that no special use would be needed for the project. He stated that it was his understanding that it did not need a special use to be permitted.

Mr. Rainey asked if the project had all the necessary FDOT permits. He stated yes, they had the upgrade permit and the drainage permit. Mr. Rainey asked if he was familiar with a letter sent by FDOT in October of 2023 threaten to revoke the access permit for Centurion Ct. He stated yes. Mr. Rainey asked if he had a chance to speak with the individual that sent the letter. He stated yes, he spoke with Troy Register. Mr. Rainey asked if he had discussed the letter with Troy. He stated yes, but it took several days to reach him and he also spoke with Carlos. He stated that the intent of the email was to get feedback from the City on the project and that he was getting a lot of concerned feedback from an adjacent land owner concerning the site plan and it was not what was permitted by FDOT. He stated at that point he sent detailed information presented and the slight modification. He stated that the updated site plan reduced the number of parking spaces for trucks from nine to six. Mr. Rainey asked if he had provided Troy with all the changes after his conversation with him. He stated yes. Mr. Rainey asked when that was. He stated it was November $10^{\text {th }}$. He stated that they received the letter from FDOT on October $30^{\text {th }}$. Mr. Rainey asked if he had received any information or feedback from FDOT since then. He said no. Mr. Rainey asked if he felt that he satisfied all FDOT needs. He sated yes.

## At 7:36pm Chair called a five-minute break. At 7:48 Chair resumed the meeting.

Robert Angelo stated that the land is conducive for the proposed use based on the traffic count. He stated that 5\% of the traffic according to the traffic analysis is for truck traffic and $95 \%$ is for auto traffic. He stated that this would still fall in the category of an automotive service station. He stated that the site would still be primarily used for automotive. He stated that would not require a special exception.

He stated that all of City department response on the staff review from 2022 are the same. He stated from speaking with City staff they all still felt the same way. Mr. Walker asked if he was introducing the staff review from 2022 as the staff review for this hearing, He stated yes.

Mr. Walker asked if he had looked at the Land Development Regulations. He stated yes. Mr. Walker asked if that was also the view of his Director Dave Young. He stated yes. He asked who all reviews the site plans. He stated that all the City departments and Directors review the projects and they have a New Development Meeting every other Thursday to discuss projects. He stated that Mr. Young and him met to discuss whether this is a truck stop or an automotive service station. He stated that they determined that based on the definition of a truck stop, it is not a truck stop and is a automotive service station. Mr. Walker asked if the definitions that he is referring to is from the Land Development Regulations. He stated yes, they are from the section 2.1. Mr. Walker asked based on the information provided in the application if it was his professional opinion that based on the addition of the three refueling stations that is a minor in comparison to the automotive service station. He stated yes, based on looking at the current site plan and the proposed site plan. The current site plan has twenty-four fueling station and the new one would only add three high flow fueling stations. He stated that based on the traffic flow being $95 \%$ auto and $5 \%$ truck makes this an automotive service station. Mr. Walker asked in section 4.2 did you review this section to determine if the use is permitted. He

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stated yes. Mr. Walker asked if he believed if a special exception is needed. He stated no, based on the previous reasons.

Mr. Walker asked if there was a process to review a site plan. He stated yes and discussed the process. Mr. Walker asked if this property was in the CHI Commercial Highway Interchange zoning district. He stated yes. Mr. Walker asked if an automotive service station is a permitted use in the CHI zoning district. He stated yes, in section 4.15.2.1. Mr. Walker asked has the applicant provided the necessary information in keeping with section 13.1.11. He stated yes. Mr. Walker asked if he was introducing his testimony and all his submitted documents in as evidence. He stated yes.

Dave Young, Director of Growth Management and Land Development Regulations Administrator, stated that he had to interpret the definition of a truck stop. He stated that it did not fit the category. He stated that he met with John Shell and a representative of Circle K in 2021. He stated that they stand behind what they have done to this point.

Guy Norris, Attorney with Norris and Norris law firm introduced his co council Terrell Arline, Nick Patel, client and partner of Gateway Hotels. Mr. Norris stated that all folks agree that page 4.3 of the site plan is an aerial view of the proposed site. He stated that you have $1-75$ pinning in the development. He stated that he wanted the board to see what where lot one was and that it was not owned by Circle K or was it owned by GWC. He also stated that Circle $K$ is not the owner of lot one. He stated that the applicant is GWC which is not the owner of lot one. He stated that the only thing being developed on lot one is nine hundred square feet of the building which is owned by someone else. He stated the owner of lot one is not an applicant or agent of the application. The owner of lot two GWC and its agent Kimley Horne.

He stated that the proposed construction on lot two was for high flow diesel pumps. He stated that they are for tractor trailers and the canopy is designed high enough to cover tractor trailers not automobiles. He stated that the parking proposed is for tractor trailer rigs not automobiles. He stated that the truck pulls in forward and has nowhere to go but backwards. He stated that the other construction is the under-ground diesel pumps to service the high flow pumps. He stated that they even have a dumpster. He stated that all the construction on lot two is for trucks. He stated that they are going to restrict automobiles on lot two, but there going to call it an automotive service station.

He stated that he wanted to ensure that the documents submitted on December 18, 2023 was in evidence. He stated that there was a tremendous amount of discussion about an appeal. He stated that per your Council that this is not an appeal but a rehearing. He stated that you are here on a duo novo hearing and that the previous hearing in July 2022 matters not. He stated that there was no public notice.

He stated they are here on behalf on Gateway Hotels the owner of Tru by Hilton. He stated after approval of the plat, road Centurion Ct was turned over to the City. He stated that they provided a diagram for the proposed developments and how the hotel, restaurants, and how it is pinned in by I-75. He stated that if there had been any discussion on whether there would be a truck stop there, then Tru would not exist and they would not have bought lots four and five to build another hotel. He stated that you are not going to build a hotel like that next to a truck stop. He stated that his clients are proud citizens of the community.

He stated that GWC is the applicant not Circle $K$ and that it is for nothing more that servicing tractor trailers. He stated that the site has a proposed one-hundred-foot sign advertising high flow diesel and here is the price. He stated that we are not here for an appeal, we are here on a duo novo hearing.

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He stated that your purpose here is the hearing of both sides along with the public comment and to make a decision and apply the existing Land Development Regulations. He introduced exhibit FGH1, a photo of a similar size Circle K in Jacksonville taken in the twilight. He stated lets see if this meets the definition of an automotive service station. He stated the definition of an automotive station. He stated that you heard the City say that this is an automotive service station. He stated that tractor trailers rigs produce more fumes, smoke, noise, vibration and an automobile. He stated that an automotive service station is not a car wash or a truck stop, or here is the key a combination of. He stated that is not an automotive service station.

He stated that the other side stated that an automotive service station is not a truck stop. He stated he agrees. He stated that when pumps are erect you shall consider each a principle use. He stated that there was some discussion of 4.2 mentioned by the City Staff. He stated that the following regulation shall apply to the location, design, construction, operation and maintenance of automotive service and self-service stations right, Mr. Angelo used that exact term. He stated look their self-service gasoline pumps. He stated that in section 4.2.6 that no sign or pump of any type shall be with in twentyfive feet of the lot line. He stated that these are all reasonable expectations and are all for gasoline. He stated the definition of truck stops. He stated it sort of brings back memories of lot two. He stated that when is says may have restaurants, snack bars, or overnight accommodations does not mean they must have in order to be a truck stop. He stated that much was stated about showers earlier. He stated that no word of showers is mentions in the definition of automotive service stations or truck stops. He stated that in the definition of truck stops the only requirements is for the refueling of tractor trailers.

He stated that in the auto service stations definition says that when motor fuel pumps are erected in conjunction with a use which is not an automotive service station, each use shall be considered as a separate principal use. He stated that for the Planning and Zoning to approve a truck stop it must have a special exception. He stated no special exception has been done or have the requirements of a special exception been met. He states that the LDR does not say how large a truck stop has to be.

He stated that the Board should use the prohibited use as well to review this petition. He stated the verbiage in the LDR for prohibited use in the Commercial Highway Interchange district. He stated that any use which is potentially dangerous, noxious, or offensive to neighboring use, such as backing out into the road way. He stated that on page C 4.5 on the site plan, the site is pinned in by I-75.

He stated that City of Lake City is the Gateway to Florida. He stated that the photograph in Exhibit FGH1, picture of a Circle K with truck parking is not what you want at the exit. He stated that every truck will have to enter and exit on Centurion Ct. He stated that it is only a two-lane road. He stated that the Columbia County Economic Council have expressed opposition. He stated that the FDOT has expressed concerns in a letter about the development. He stated that Mr. Register sent an email to Circle K, the Mayor, and the City Attorney Todd Kennon. He read the email talks about revoking the access permit for Centurion Ct and not to extend the safety permit that expires in October 30, 2023. He stated that the City did not contact the department to determine if a new permit was needed. He stated that the Board was led to believe that no farther traffic concerns would be created. He stated that the proposed use is not compatible with the district. He stated that when approving a special exception would promote the health and safety of the community.

Terrill Arline, land use attorney stated that it is his belief that this is a truck and should be heard as a special exception. He stated that the site will increase traffic.

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Mr. Arline questioned Jeff Buckholtz. Mr. Arline discussed Mr. Buckholtz about his resume and education. Mr. Arline asked him if he was hired by Nick Patel to review the traffic analysis submitted by Kimley Horne. He stated yes.

Mr. Arline asked him if he prepared two reports for Nick Patel reviewing the two-traffic analysis from Kimley Horne. He stated yes. Mr. Arline asked him if he produced report in material as Exhibit G after he saw the most recent traffic analysis from Kimley Horne. He stated yes. He stated that Kimley ignored the additional projects that are coming on Centurion Ct. He stated that he understood in the first one as they were not proposed, but they were aware of them in the second one.

He stated that he did not agree with the reduction on ITE trip generation, which is the average in the industry thought the US. He stated it is not the highest count or the lowest. He stated that it is a high-volume intersection, probably worse than Miami. He stated the mistake in the bypass traffic is where they took the traffic out. He stated that they should be taken out the traffic on I-75. He stated how they took the truck fueling stations as they are car fueling stations in wrong. He stated that the land regulations have not caught up with the current trends with truck stops. He stated that in the past you had large truck stops but now they are adding fueling stations to auto service stations.

He stated that Kimley Horne looked at the high flow fueling stations and looked at them as auto fueling stations on there traffic analysis. He stated that they needed to go out and find similar uses with similar conditions and use that for trip generation. He stated there is no documentation in their reports that shows 95\% auto and 5\% truck. Mr. Arline asked him, does that establish that there will be an increase in truck traffic. He stated if you look at their synchro runs across Kimley Horne's reports they only use $2 \%$ truck traffic, $2 \%$ before and $2 \%$ after. He stated that they stated that there would be 72 trips but they did not state that they would be truck trips, they assumed. He stated that if you have all this information wrong then your que length is going to be wrong. He stated that trucks are longer then autos and they did not take that into account. Mr. Buckholtz asked why did Kimley Horne not analysis the truck traffic on the exit ramp coming off of l-75.

Mr. Arline asked him, what is the issues that could arise with longer que lengths. He stated that people would not be able to leave Denny's or other places and cause backups. He stated if you do a traffic study you may see that you need a longer right turn lane or maybe a double left turn lane. Mr. Arline asked him in his conclusion if he felt that the Kimley Horne information was inaccurate. He stated yes.

Mr. Norris questions Nick Patel. Mr. Norris asked him if he is one of the owners of Florida Gateway Hotels. He stated yes. Mr. Norris asked him, what does Florida Gateway Hotels do. He stated that they own Tru Hotel in Lake City. Mr. Norris asked him how many hotels do you have in Lake City. He stated seven. Mr. Norris asked him if the Comfort Inn and Suites is in the same zoning district or in the CHI zoning district. He stated no. Mr. Norris asked him if Mr. Shell was mistaken in that the Comfort Inn and Suites hotel was in the same zoning district or in the CHI zoning district. He stated yes. Mr. Norris asked him does Comfort Suites sell parking spaces. He stated no. He stated that there is a big difference between a hotel and a truck stop. He stated that they turn off their trucks at a hotel. He stated that my hotels are high quality hotels.

Mr. Norris asked him if he took the photo labeled exhibit FGH1 and does it represent the overall Circle K site on Chaffe Rd. He stated yes. Mr. Norris asked him when and from whom did you acquire the property on Centurion Ct. He stated in 2016 and from Gateway Crossing Development Partners. Mr. Norris asked him is this a development like a residential subdivision with a home owners association. He

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stated yes, there is an association that governs what comes in and what does not. He stated that they pay a yearly fee to the association.

Mr. Norris asked him if he owned another lot on Centurion Ct. He stated yes. Mr. Norris asked him if he planned to build another hotel. He stated yes. Mr. Norris asked him if the other hotel that he plans to build is going to be another Hilton or a Marriot. He stated yes. Mr. Norris asked him in all his travels and stays at other hotels has he ever seen a Marriot next to a truck stop. He stated that it is hard to find a good Marriot next to a truck stop. Mr. Norris asked him if the development of lot two is approved have an adverse effect on your decision to build a Marriot hotel there. He stated yes. He stated that if this truck stop comes it will hamper his ability to get a good franchise and it will depreciate his property.

Mr. Norris asked him was there plans to build a truck stop there when he bought the property to develop. He stated no. He stated that where the U-Haul is going to be built was to be a movie theatre. He stated that he did not buy into a truck stop.

Mr. Norris asked him to describe Centurion Ct. He stated that it is a one way in and one way out. He stated that it was not built for trucks.

Mr. Norris asked him when did he learn find out about the mini truck stop. He stated that Parker Neeley asked him about buying the lease of the lot that he was leasing. Mr. Patel asked him to send him the information. He stated that when he reviewed the material that Mr. Neeley emailed to him, that is when he seen what was coming. Mr. Norris asked him if the document that is in the material that they provided to the Board was what he sent him. He stated yes. Mr. Norris asked him if he called the City once he knew what was coming. He stated yes.

Mr. Norris asked him if he met with any one from the City. He stated he requested to meet with Mr. Dyal the City Manager, Steve and Mr. Angelo. He stated at that meeting that he expressed how deeply concerned he was about the development. Mr. Norris asked him if Mr. Young was employed with the City at that time. He stated that he was not. Mr. Norris asked him if this meeting was after the Planning and Zoning meeting in July. He stated yes. Mr. Norris asked him if he was aware of the Planning and Zoning meeting in July. He stated that he was not. Mr. Norris asked him if anyone told him of the meeting in July. He stated he does not recall. Mr. Norris asked him what was represented to him at this meeting as to the status of the development. He stated that Mr. Dyal said that we would take those concerns into consideration and we would reach out to Circle K. He stated that he told the City that he wanted to be part of the decision of what happens. Mr. Norris asked him if at this meeting did the City tell him that no permit had been issued at that point. He stated yes, they told him that a permit had not been issued at that point.

Mr. Norris asked him if the City told him if he needed to wait for the issuance of the permit to file an appeal. He stated that he did not recall. Mr. Norris asked him did you file a notice of an appeal with the Board of Adjustments after the permit was issued. He stated he did. Mr. Norris asked him was he notified in any way about the meeting in July 2022. He stated he was not.

Mr. Norris asked him what is his understanding of the meeting on January 10, 2024. He stated that was his understanding that he was not noticed properly and that Mr. Walker advised to have a do over hearing.

Mr. Norris asked him how often he travels to the Tru Hotel and has he seen vehicles blocking the road waiting to leave Centurion Ct . He stated that he travels to almost every day. Mr. Norris introduced exhibit FGH-2 into the record, a photo of the Circle K on Chaffee Rd showing the truck stop at Chaffee Rd just from a different angle. Mr. Norris asked him if he took the photo. He stated he did. Mr.
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Norris asked him when he enters Centurion Ct does he turn left off of Highway 90. He stated he does. Mr. Norris introduced exhibit FGH-3 into the record, showing the entryway onto Centurion Ct. Mr. Norris asked him if he took the photo. He stated he did. Mr. Norris asked him if it shows an accurate representation of the entrance to Centurion Ct . He stated it did. Mr. Norris asked him if the traffic there typical. He stated yes.

Mr. Norris introduced exhibit FGH-4 into the record, a picture of Centurion Ct with an RV blocking the road. Mr. Norris asked him if he took the photo. He stated yes. Mr. Norris asked him if that picture accurately represents Centurion Ct. He stated it did. Mr. Norris asked him why the backup happened. He stated that it is a two-way road and a high-volume Circle K.

Mr. Norris introduced exhibit FGH-5 into the record, an aerial photo of the Circle K on Chaffee Rd. He asked he felt like this was an accurate representation of what the Circle K on Centurion Ct will look like. He stated that the difference is that the one on Centurion Ct will only have one way in and out but the one on Chaffee Rd has plenty of room and access. He stated that trucks were parked on the side of the road.

Mr. Norris asked him if he was aware of regulations of tractor trailer rigs having to stay off of the road for ten hours a day. He stated yes. He stated that it would be very difficult make them move if they are out of hours. He stated that if you allow this, it will degrade the area. He stated you have smoke, noise, and vibration. He stated that he may not get his franchise if it comes.

Mr. Norris asked him if he was a member of the Tourist Development Council (TDC). He stated he was. Mr. Norris asked him if the TDC advertises Lake City and Columbia County. He stated yes, they do. Mr. Norris asked him what his thoughts were for an automotive service station. He stated that if the primary use is for refueling of trucks, it is a truck stop. Mr. Norris asked him about of photo of tables in the Circle $K$ in Lake City. He stated that the LDR does not say you have to have a restaurant to be a truck stop. He stated there is no written basis for using the $95 \%$ to $5 \%$ to determine if it is a truck stop.

He stated that this business does not add any value to this exit. He stated he would not invest any property near a truck stop. Mr. Norris asked him a trucker heading done I75, how far down I-75 to get to another truck stop. He stated about fifteen minutes. He stated that if Circle K was to advertise cheap gas then this would encourage more traffic. He stated that he believes that the City Staff made a mistake. He stated that the is no harm in asking Circle $K$ to change their plan.

Mr. Norris questioned, Aaron Trippense. Mr. Norris asked him what his role with FDOT is. He stated that he is a Maintenance Engineer for five counties. Mr. Norris asked him if he knows Troy Register. He stated yes, he is Troy's supervisor for twenty years. He asked if was still employed by FDOT. He stated yes. Mr. Norris asked him if he was familiar with the DOT permits for Gateway Crossings. He stated yes, there was two issued in 2022. One for he driveway access and one for the drainage. Mr. Norris asked him do you have any involvement with the permits. He stated yes, he is in charge of the office.

Mr. Norris handed him a paper with an email on it that is in the record. Mr. Norris asked him if he was familiar with the letter. He stated yes. Mr. Norris asked him who signed the letter. He stated Troy Register did at his request. Mr. Norris asked him who was the letter sent to. He stated the Mayor, Florida Gateway Hotels, and Circle K. Mr. Norris asked him if he was involved with the decision to send and draft the email. He stated yes. Mr. Norris asked him what is the status of the upgrade permit. He stated it is expired. Mr. Norris asked him what does that mean for the permit. He stated that it is no longer viable. Mr. Norris asked him about another permit that was issued in 2016 and what is it for. He stated that it is the original permit for the access of the connection of Centurion Ct to US 90.

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Mr. Norris asked him about what does it mean in the letter when they stated the jurisdiction. He stated that it means that Centurion Ct is a City street and is the owner of the permit. Mr. Norris asked him about the letter and how the development is significantly different. He stated that planned construction is for high flow diesel pumps. He stated that is a significant change in what was in the original permit. He stated that the permits for the upgrade permit in 2022 was not presented as a change in use. Mr. Norris asked him what does this mean. He stated that FDOT is monitoring this development and if it is approved they will revoke the original permit from 2016 and will require a new permit.

Mr. Norris asked him what was the City obligation. He stated that it was the City's responsibility to apply for a change in the permit, which would require a traffic study. Mr. Norris asked him if FDOT had heard anything from the City since the letter was sent. He stated they have not. Mr. Norris asked him what is the status on the permit from 2016. He stated that it is active, but if the project is approved it would cause the permit to not be in compliance. Mr. Norris asked him if the DOT was in a position to revoke the permit. He stated yes, they are in the works to do so as the monitor this project. He stated that the City should communicate with his office with any changes to the permit form 2016.

Mr. Arline questioned Luis Serna. Mr. Arline asked him to go over his education and his resume. He did. Mr. Arline asked him if he worked as a planner in local government. He stated yes, for over fourteen years. Mr. Arline asked him if he was AICP certified. He stated he was. Mr. Arline asked him if he was retained by Nick Patel. He stated he was, to review the notice of appeal. Mr. Arline asked him if he reviewed the site plan application for tonight. He said that he was.

Mr. Arline asked him to give his opinion. He stated that he feels that the site plan did not go thru the right process and that it should have been a special exception. Mr. Arline asked him if he looked at the definition of a automotive service station and a truck stop. He stated he did. He stated that his conclusion is that this use is clearly a truck stop. Mr. Arline asked him if the City concluded if this was a truck stop what did they need to do. He stated that they needed to run it as a special exception which the process is clearly defined in section 11.2. He concluded with that he has never seen a situation where high flow pumps be an accessory use. Mr. Arline asked him what does it mean with the development being on a separate lot. He stated that if Circle K was to go away then the lot would be truck stop.

Mr. Lydick advised the Board to no discuss the project through out the next week.
Mr. Carter motioned to enter a period of recess for the next seven days and reconvene on the $17^{\text {th }}$. Seconded by Mr. Nelson.

## Motion to recess was approved unanimously by hand voted.

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## Meeting continued from January 10, 2024.

Mr. Lydick asked City Attorney to give a recap of previous meeting and to explain how the meeting will flow.

## Public Comment:

Mr. Lydick addresses the public and explained the use of the three-minute clock. He stated that he had the public comment papers from the previous meeting from January 10, 2024.

The following people spoke at the meeting on January 17, 2024. Brad Wheeler, Bruce Drawdy, Azie Handy, Tony Buzzella, Barbara Lemley, Ben Loftstrom, Billy Bivins, Jonathon Sluss, Joey O'Hern, Robby Hollingsworth, Janak Patel, Shailesh Patel, Amanda Johnson, Sharon Del Castillo, John Cole, Dennille Decker, Ron Williams, Tim Williams, and Dylan Adams all spoke. They all discussed concerns about access to the hospital on Commerce Blvd, obligations to citizens, developments are cause deer to enter the road, tractor trailers will back up interstate, stated the Board are people of integrity, can fix previous vote, somethings were left out, Board got false information, traffic is going to get worse, is having the truck stop there in the best interest of Lake City, Mr. Patel has been good for Lake City, Mr. Patel has stopped vagrants from being under the interstate, one way in one way out to hospital, not enough room on site, will block traffic, truck drivers do not throw their urine bottles in the trash, drivers coming off interstate do not know there is on three fueling stations, cul-de-sac not designed for tractor trailers, does the City plan to cite truckers for sleeping, drivers get there fuel at the end of there eight hours, Ellisville is always full of trucks, truckers will be fined if they move and are out of hours, regularly have to stop at green light, school on County Road 252 is a concern with traffic increase, concerned about turn lane off of I-75 to Highway 90, has been an out pour from the business owners to the Chamber, thinks we need a thorough traffic study, Board serves the citizens, does not need a traffic study if you drive it daily, economic development needs planning, compare it to the Oaks Mall exit in Gainesville, County is putting in a truck stop at next exit, truck stop is not in the right spot, agrees we need trucks but not there, against location not truck stop, this in not the growth we aspired, first impression is last impression, problems with trucks parking on Centurion Ct now, trucks park near entrance to hotel, safety of guest, when an accident happens at intersection causes major delays, husband had a stroke and EMS was able to get there quick but with more traffic they may not be able to, would ruin the image of Lake City as the Gateway to Florida, has worked hard to change image of Lake City, keep Highway 90 a business corridor, state made cities have a Future Land Use for reason, Columbia County is one of the fastest growing counties in America, stacking is not sufficient, insufficient space between I-75 and Centurion Ct, gas is a lost leader and retail is the profit, just because we can does not mean we should and want development but not at cost to Citizens.

## Motion to close public comment by Mr. Carter. Seconded by Mrs. McKellum.

Mr. Gabriel questioned Mr. Buckholtz. Mr. Gabriel asked him if he issued to Mr. Patel. He stated yes. Mr. Gabriel asked him if it was labeled technical evaluation of Circle K's traffic analysis. He stated yes. Mr. Gabriel asked him if has perform a traffic analysis of the area. He stated no. Mr. Gabriel asked him about his stated that Circle K traffic analysis should have included the new developments after the

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project was approved and is this a standard practice. He stated yes. He stated that they did not know of the developments for the first traffic analysis but they did on the second one.

Mr. Gabriel asked him about his comments of the ITE calibration being inaccurate and if he read the section that explained the calibration. He stated yes, it was not very long. They discussed the calibrations. Mr. Gabriel asked him that in the report is states that the traffic is lower at that site than what the ITE suggest, is that correct. He stated that is what the study says. Mr. Gabriel stated that the observed trips were about $60 \%$ of the ITE projects. Mr. Buckholtz stated that was suspicious. Mr. Gabriel asked him in what way. He stated is a high-volume location but it came back at almost half of what is average.

Mr. Gabriel asked him about his testimony when he stated that it is inappropriate to treat car fueling station like truck fueling stations. Mr. Gabriel stated that he agreed. Mr. Buckhotlz stated he was glad he agreed but the study did not state that.

Mr. Gabriel asked him about in his testimony the he stated that the average car fueling station pumps about ten gallons per trip in about three to five minutes and the average high-flow fueling station pumps about one hundred gallons in about ten minutes. He asked him with that information if, how many trucks could fill up in an hour. He stated six. Mr. Gabriel asked him asked him if there were three fueling stations, how many trucks could fill up in an hour. He stated eighteen, which is quick. He stated it would take closer to fifteen minutes which would only allow for twelve trucks per hour. Mr. Gabriel stated let's assume we are at the faster side of the estimate. Mr. Gabriel asked him how many trips would they generate with the proposed development. He stated half what Kimley Horne projected, which is the problem. He stated that their study showed seventy-two trucks per hour and we just determined that only eighteen could refuel. He stated what is going to happen to the rest. He stated that you are confusing the supply and demand. They are going to park in the road.

Mr. Gabriel asked him if he was aware of section 950 of the ITE that is specifically for truck stops. He stated yes. Mr. Gabriel asked him if the ITE section 950 defines a truck stop. He stated yes. Mr. Gabriel read the definition of a truck stop in the ITE. Mr. Buckholtz asked Mr. Gabriel what question are you asking, I just told it is not a truck stop. He stated this is a new land use, a mini truck stop. This is a use they have not had. He stated the best way to find the trips is to go look at a similar development.

Mr. Gabriel asked him you stated in your testimony that you objected to the $95 \%$ auto and $5 \%$ truck correct. He stated yes. He stated that there is no documentations. Mr. Gabriel stated bring him to his next point. He stated that in earlier testimony Kimley Horne's engineer stated that there would be about 4.7 million gallons a year for gas and about 1.7 million gallons of diesel. Mr. Buckholtz stated that Kimley Horne is looking at the whole site not just the pumps being added. Mr. Gabriel stated that the projected auto fueling trip is about 470,000 and about 15,000 truck trips, which equates to about $3 \%$ truck and $97 \%$ auto. Mr. Gabriel asked him is that correct. He stated yes, but you are looking at the existing trips as well as the new ones. He stated that you can only look at what is being added not what is existing. He stated that it you look at the ITE and calculated the peak trips per hour then do that for the entire year you would get 180,000 truck trips.

Mr. Gabriel stated that he stated that in your testimony that the traffic at this intersection is would than Miami, correct. He stated sure when you look at the truck traffic from I-75. He stated, he said South Beach which does not have a truck problem.

Mr. Gabriel asked him if he was familiar with the ITE chapter ten. He stated yes. Mr. Gabriel stated that section 10.2 of the ITE states that pass by traffic is traffic coming from an adjacent street. He stated pass by trip are not diverted from another road way not adjacent to the site. Mr. Gabriel asked

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him based on this definition would you not take the trips to and from US 90 . He stated is you want to look at that definition, fine. He stated the mistake Kimley Horne made was the took away all of the pass by trips from US 90 and none from $1-75$ which is a technical error. He stated it is not a huge so we should not argue it. They discussed passed by trips in more depth and how they are calculated.

Mr. Gabriel asked him are you aware that the ITE has separate definition for pass by trips and diverted trips. He stated yes. Mr. Gabriel asked him did the Kimley Horne traffic study reduce their estimated trips to account for diverted trips from I-75. He stated another mistake, they did not. They discussed trip generation in more depth.

Mr. Gabriel asked him asked if he was involved with the project when this traffic analysis was done. He stated no. Mr. Gabriel asked him if he was aware that Kimley Horne communicated with the City Staff and FDOT staff when conducting the traffic analysis. He stated he does not know.

Marshall Rainey questioned Mr. Patel. Rainey asked him are you aware that this site was approved on July 6,2022 . He stated yes. Mr. Rainey asked him you learned of the development a couple of months later. He stated yes, not sure exactly when. Mr. Rainey asked him you were familiar with the application. He stated he was not familiar with the details. Mr. Rainey asked him when you found out it was approved did you file an appeal. He stated he did not because he was under the assumption that the City still had the power to stop the project. Mr. Rainey asked him did you go to the Lake City Reporter. He stated he did not.

Mr. Rainey asked him in your testimony you stated that you were very involved in the Tourist Development Council in the past, did you have anything to do with the letter sent to the City from the Tourist Development Council. He stated he is not a member, but is involved in may ways with them and it was very important that he let them know of the development. Mr. Rainey asked him did you encourage this letter in any way. He stated he did not, but that he did inform them of the development and how he was concerned about it. Mr. Rainey stated but you did bring if to their attention.

Mr. Rainey asked him did you bring this to the attention of several City Council members. He stated yes. He stated that when he originally filed an appeal he did not get any cooperation with the City attorney. He stated that he then went to the City Council to get on the agenda.

Mr. Rainey stated the you went to Tourist Development Council and to the City Council. Mr. Rainey asked him did you look at the regulations to see if you had a time period to file an appeal. He stated no. He stated that he only looked the definition of a truck stop and an automotive service station. He stated there was no notice given. Mr. Rainey asked him did you look to see if there was an apelet procedure or did you go to the Tourist Development Council and City Council and lobby. He stated no. He stated he did not lobby. He stated that he went to them because he has a right to be heard. He stated that he had no notice. He stated that you can not expect me to appeal something when I have no idea of what is going on at this exit. Mr. Rainey stated that he understands that. He stated that we got to 2023 almost six months after the approval. Mr. Patel stated that I believe we filed our appeal in 2023. Mr. Rainey stated March 29, 2023 you filed the appeal, twenty-nine days after the construction permit was issued. Mr. Patel stated that he will argue the fact that he filed an appeal of the development order. Mr. Rainey asked him if he was aware of what a development order is and what the difference between a development order and a construction permit. He stated yes. Mr. Rainey stated that when you order the filing of the appeal more that eight months had passed since the development order. Mr. Patel stated possibly.

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Mr. Rainey asked him in respect to the Tru hotel how many feet is it from I-75. He stated he does not know. He stated he knows it is close. Mr. Rainey asked him lots four and five, they back up to 1 75 correct. He stated yes. Mr. Rainey asked him you bought lots four and five, a Marriot an upscale hotel right. He stated yes. Mr. Rainey asked him in your testimony you stated that you are worried about the noise from the six parking spots at Circle K correct. He stated you are right. Mr. Rainey asked him is it your belief that the discomfort from those six spots is significantly more than the thousands of trucks that go by on I-75. He stated Mr. Rainey I have been building hotels for a very long time. He stated that there is different types of construction. He stated that when you are near an interstate you build a sound proof exterior wall. He stated that you can not take away all of the noise. He stated that he owns a Comfort Inn and Suites in Gainesville and they do not get complaints on noise. Mr. Rainey stated that you are worried about the trucks a couple of lots away with a building in between but you are not worried about the thousands on I-75. Mr. Patel stated that there is a difference, they are going to be twenty-four hours a day. He stated your traffic engineer testified that there is going to be thirty-six new trips. Mr. Patel stated that the trucks that are waiting to fuel are going to park near his hotel. Mr. Rainey stated that is a congestion issue not a noise issue.

Mr. Rainey asked him you hired Mr. Buckholtz right. He stated yes. Mr. Rainey asked him if he was hired to provide expert services for you correct. He stated yes. Mr. Rainey asked him if he was hired to provide a traffic analysis. He stated no, he was hired to review the Kimley Horne traffic study. Mr. Rainey asked him you hired him to shot holes in the traffic study right. He stated yes. Mr. Rainey asked him if he or anyone else that has commissioned an independent traffic study for the area. He stated no.

Mr. Rainey asked him if he was aware that lot one is owned by Aspree and that lot two is owned by GWC. He stated he does not. Mr. Rainey asked him if he was aware that Circle K was a long-term lease on both lots. He stated that he does not. Mr. Rainey asked him if you are familiar with a triple net lease. He stated he is not.

Mr. Rainey asked for exhibit A-1 be brought up on the screen, page C3.0 of the site plan. Mr. Rainey asked him if he had ever examined the plan before. He stated he may have. Mr. Rainey asked him if he was aware of the plans to expand the existing building. He stated he was. Mr. Rainey asked him if he was aware of the current dumpster pad being demolished and a new one on lot two. He stated yes. Mr. Rainey asked him if he was familiar with any utility plans for networking. He stated he was getting to technical for him. Mr. Rainey asked him if he was familiar with where the brains of the operations is. He stated he was not. Mr. Rainey asked him is it fair to say that both lots are being developed. He stated yes.

Mr. Rainey asked him in the power point presentation there is a picture of some dinning tables in a Circle K , are sure those are from the one on Centurion Ct . He stated no. He stated this is a picture of one he took at the time when you submitted your plans. Mr. Rainey introduced Applicant exhibit 1, a picture of dining counter top currently in the Circle K on Centurion Ct. Mr. Rainey asked him if had been in the Circle K recently. He stated no. Mr. Patel stated that is obviously less seating that the one he took.

Mr. Rainey asked him you have a Comfort Suites that is across the street caddy corner. He stated yes. Mr. Rainey introduce Composite Exhibit 2, four pages. Mr. Rainey asked him if he pays for a billboard on l-75 advertising the Comfort Inn and Suites. He stated yes. Mr. Rainey asked him in your testimony last week you stated that you invite trucks to your hotel and turn off, correct. He stated yes. Mr. Rainey asked him if his hotel looks like the picture he was showing of trucks parked in the parking lot. He stated yes. Mr. Rainey asked him that creates a lot of heavy traffic correct. He stated no. He stated that he had a picture of the parking lot at night with no trucks and wanted to enter it in to

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evidence. Mr. Rainey said they would concede and allow it. Mr. Rainey stated that picture is of a certain moment in time and that you may have one truck there but you may have fifteen there another night. Mr. Rainey showed him another picture and asked how many trucks were there. He stated nine. Mr. Rainey asked him if the billboard work. He stated that the Comfort Inn and Suites has not submitted a site plan. Mr. Rainey asked him if any of his other hotel advertise for truck parking. He stated he was not sure. Mr. Rainey asked him he recognized the hotel in the photo as his. He stated yes. The picture showed a billboard in front of his hotel. He stated that he has no control over the sign.

Mr. Rainey introduced exhibit 3, a picture of the Econo Lodge with a package store next to it. Mr. Rainey asked him he recognized the hotel. He stated yes. Mr. Rainey asked him you have to drive past this to get to your hotel right. He stated yes. He stated that the structure existed before he built his hotel.

Mr. Rainey introduced exhibit 4, a picture of the Days Inn. Mr. Rainey asked him if he owned the Days Inn. He stated yes. Mr. Rainey asked him about the one-hundred-foot pole in front of the hotel. He stated yes.

Mr. Rainey introduced composite exhibit 5, two pages, pictures of Camping World next to a hotel. Mr. Rainey asked him does this accurately depict the view form the Hampton Inn. He stated yes. Mr. Rainey asked him Camping World has a RV garage correct. He stated yes. Mr. Rainey asked him can you see it from your hotel. He stated yes. Mr. Rainey asked him do you know how many hundreds of RV's are next to his hotel. He stated that he understands that it is an RV center. He stated that hotel is not in a subdivision. He stated that Tru Hotel is in a subdivision. Mr Rainey asked if his Hampton Inn is in a CHI zoning district and if it is a intensive zoning district. He stated that he did not research that. He stated that he does not agree that it is an intensive use. Mr. Rainey stated that according to the public comment earlier in the meeting the citizens thought it was. Mr. Patel stated that he does not think that Florida Gateway Drive is intensive, but does think that the intersection and the exit is. He stated that MR. Rainey is forgetting that Tru Hotel is in a subdivision and there is use restrictions on it. Mr. Rainey asked if there is a use restriction on HSD facilities, because if there was you would have enforced it on Mr . Shell and would not have allowed Circle $K$ to lease the property. He stated that it is not mentioned and read Provision 13.4 declaration and association document. Mr. Rainey stated those are in a commercial subdivision correct. He stated yes.

Mr. Rainey stated that I think your concluding point, I could be wrong, based on your previous comments, is this would diminish the life we live in Columbia County. Mr. Rainey asked if that was accurate. He stated yes. He stated that the amount of traffic that you are going to create is significant. He stated that there was an accident, where one of his staff was injured, at the intersection right in front of Circle K.

Mr. Rainey asked for exhibit FGH4 from Guy Norris presentation showing picture of a Camper clocking Centurion Ct. Mr. Rainey asked if he took the picture and was it in the morning. He stated yes, but it was in the evening. Mr. Rainey asked that was at a point in time you pulled in there and seen the camper and took the photo, correct. He stated yes. Mr. Rainey asked how is that any different than when Mr. Shell took photos of trucks parked at your hotel, you pulled down Centurion Ct and did not see a camper. He stated it happens many times. Mr. Rainey asked if that is anecdotal, one picture one shot in time whether it be of your hotel in truck traffic or Centurion Ct absent a traffic study. He stated he will disagree with your statement, you are comparing night and day and apples and oranges. Mr. Rainey stated that he is not comparing apples and oranges. Mr. Rainey asked if he could determine how many trucks are parked in his hotel on average unless he does a study correct. He stated yes. Mr. Rainey

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asked if the only traffic study that was does was Kimley Horne's. He stated yes, but it is inaccurate. Mr. Buckholtz testified earlier that the three bays would allow for twelve to eighteen trucks and that the site is going to create thirty-six trips, where are the rest of the trucks going to park.

Mr. Martin asked that the photo that Nick Patel mentioned in his questioning be introduced into the evidence. Mr. Norris introduced exhibit FGH6 into evidence.

Mr. Norris questioned Robert Angelo. Mr. Norris asked him if he was employed by the City and what his title was. He stated yes, he is the Planning and Zoning Tech. Mr. Norris asked him. Mr. Norris asked him how have you been in that position and are you familiar with the Land Development Regulations. He stated March will be two years and yes, he is familiar with the Regulations.

Mr. Norris asked him if he was present for Dr. Buckholtz cross-examination and that Dr. Buckholtz was asked questions about the ITE. He stated yes. Mr. Norris asked him if he know what the ITE, Institute of Transportation and Engineering. He stated yes, but he is not a engineer and does not know what the full definition is. Mr. Norris asked him if the ITE was part of the Land Development Regulations is it. He stated no it is not.

Mr. Norris asked him if the Land development Regulations defines a convenience store or highspeed diesel fuel station. He stated no it does not. Mr. Norris asked him if that is the terms that is on the application in front of the Board tonight isn't it. He stated yes. Mr. Norris asked him if it uses the term automotive service station or the term truck stop. He stated no. Mr. Norris asked him if there was a single use defined in the Land Development Regulations on the application. He stated no. Mr. Norris asked him if he was aware that Gate Way Crossings is a platted subdivision. He stated at the time he was not, but he is now. Mr. Norris asked him if he was aware of the process that the developer went through to replat lots one and two. He stated no, that was done as he came in.

Mr. Norris asked him as part of your work for the City you reviewed the entire application submitted by the applicant and that on lot two is where all of the development is going to be done. He stated yes. Mr. Norris asked him if he understands the applicant to be GWC Development Partners LLC. He stated yes.

Mr. Norris asked him if he was aware the in the Land Development Regulations for the CHI zoning district that a truck stop requires a special exception and that section 4.15 .4 prohibits certain uses in the CHI zoning district. He stated yes. Mr. Norris asked him about the section that mentions use that are dangerous, noxious, or offensive to neighboring uses, that is talking about the CHI district, right. He stated yes. Mr. Norris asked him did I read that correctly. He stated yes.

Mr. Norris asked him did the City issue a variance for a one-hundred-foot truck diesel sign. He stated yes. Mr. Norris asked him if he was present for last week's meeting, tonight's meeting, and all of the material that was submitted. He stated yes. Mr. Norris asked him when he learned of the October 23, 2023 email of the letter to the Mayor, City Attorney, and Circle K about the FDOT permits. He stated I am not sure of the exact date or time, but it was either late November or early December. Mr. Norris asked him to your knowledge has the City made any response to the email. He stated yes, I reached out to Dan Morgan and I emailed him the updated site plan as he requested an updated site plan in December. Mr. Norris asked him if Dan Morgan was on the email. He stated he did not recall. Mr. Norris asked him if the City has any agreement with the developer or with Circle K to pay for any traffic studies for a new application for a connection permit on North West Centurion Ct. or for any improvements to Centurion Ct or US Hwy 90 that FDOT may require. He stated not that I am aware of.

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Mr. Norris asked him according to the Land Development Regulations does the Planning and Zoning board have the right to deny or reject the site plan application. He stated that the are processes to accept, accept with conditions, or deny. Mr. Norris asked him if the Board determines if the development is incompatible, the Board has the right to reject the application. He stated yes, but the decision must be based off competent and substantial evidence. Mr. Norris asked him if the Board determines that the refueling of tractor trailer rigs and the high-flow diesel pumps are not and automotive service station they can reject the application. He stated would have to determine if it is a truck stop or an automotive service station.

Mr. Norris asked him if it is not an automotive service station then it must be a truck stop. He stated that they must look at the definition of a auto service station and by doing so the would determine if it is an automotive service station, it is not his decision to make for them. He stated that they would need to look at the overall structure of the whole site and see if the site is a truck stop. Mr. Norris asked him where in the LDR does it say that. He stated that we looked at the overall project for Circle K for the property that is leased by Circle K. He stated that we looked at the definition of an automotive service station, then we looked at the definition of a truck stop it is not a truck stop.

Mr. Norris asked him if the Board makes the determination that this is a truck stop, then they can deny the application. He stated that decision would originally been made by the Land Development Regulations Administrator and whether a special exception is needed and they would have made the decision at that time if it is a truck stop or an automotive service station. He stated that the Board is approving the site plan, not the decision of the Land Development Administrator. He stated that decision would need to be appealed through the articles in the LDR to the Board of Adjustments. Mr. Norris asked him like the appeal we filed. He stated no they you applied for an appeal against the construction permit and was not against the decision of the land development regulations administrator. Mr. Norris asked him if the development order was the permit issued as a result of that, right. He stated that we determined earlier that the development order is different from the construction permit. Mr. Norris asked him if the development order is the permit under the Florida Statue 163. Mr. Norris asked him if it is true that we are here tonight on a duo novo hearing. He stated yes.

Mr. Norris asked him if the Board determines that the traffic study conducted by Kimley Horne is flawed then they can deny to application. He stated he was not sure. He stated that they could deny it or do a conditional approval with a new traffic study. Mr. Norris asked him are they authorized to deny it. He stated that there is a lot of factors that goes into that.

## Mr. Lydick opened up the floor for the Planning and Zoning Board to ask questions.

Mr. Carter asked Mr. Young if the Board can disagree on whether this is a truck stop or a gas station or is that for the Board of Adjustments. He stated as the land development administrator he makes the decision and determination on what and LDR section or definition is. He stated the only alternative is for a party to file the paper work to the land development regulations administrator for an appeal. Then the administrator would then schedule it with the Board of Adjustments.

Mr. Carter asked Mr. Martin, City Attorney, if it would help the Board to have the definition of a truck stop and automotive service station brought in front of the Board of Adjustments. Mr. Martin stated that that the Board is not making a decision on his interpretation but is making a decision on how

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it is applied and has given testimony through staff of its application and have heard other testimony of how other people view how it should be applied.

Mr. Lydick asked Dr. Buckholtz is it a fair testimony that you think that the traffic at this intersection that will be created, will be an unacceptable quantity of traffic. He stated he can not honestly say with out a traffic study. Mr. Lydick asked him if the application was dropped for the HSD pumps and the rest of the lots were developed to the utmost potential of the original conceptual plan, in your professional opinion make the intersection unserviceable and that any development of the other parcels could have as much of an effect as the Circle $K$ development. He stated it could, but with out any improvements, but with out a traffic study you do not know.

Mr. Lydick asked if under the notion that you know that there are issues with the traffic study and there could be an unacceptable increase in traffic, noise, and vibration that are mentioned in the LDR, if that is the justification for a majority of the members of the board to deny this application, would this set a president on future developments. Mr. Lydick asked if are we effectively closing that interchange. He stated that there would be a strong possibility. Mr. Lydick asked what is the grieving parties options depending on the outcome of this meeting. He stated that the next step would be the Board of Adjustments.

Mr. Nelson stated to Mr. Patel, that by your testimony it is clear that you do not want the high flow pumps by your hotel. Mr. Patel stated that he beliefs this would greatly diminish the area. Mr. Nelson asked Mr. Patel would help his case if he funded a traffic study. He stated that is not his purview to fund a traffic study for the developer. He stated it is the developer's responsibility to present a study which is acceptable to the FDOT. He stated that his traffic expert stated that the traffic study was inaccurate. Mr. Nelson stated that Dr. Buckholtz conceded that a traffic study needs to be done.

## Applicant, intervener, and staff make there closing statements.

Mr. Rainey stated that it is Mr. Patel's right to object to any development that may interfere with his business. He stated that there was a lot of public that was there to voice their opinion and they understand that. He stated that there was a process in place and Circle K followed that process and have invested already in the site and committed to go forward. He stated that Mr. Petal did not follow that process and we are here on a do over. He stated that once Mr. Patel learned of the developments it took him months to file an appeal. He stated that the City attorney made the decision he made for the do over and that he understands the position the City attorney was in. He stated that they appreciate that the City of Lake City wants to turn square corners and do this right. He stated that they believe that the staff analyzed the LDR correctly and this is not a truck stop. He stated that the site is still going to be $95 \%$ auto. He stated that there is nothing wrong with someone wanting to and an ancillary use and develop lot two and make it one use.

He stated that he understands that Mr. Patel wants to lobby or meet with people but we are not a nation of men. He stated that Mr. Patel said that he has invested millions in the area. He stated that Mr. Patel should get the same treatment as some poor guy on the street. He stated that we are a nation of laws.

He stated the Circle K followed the rules and they should to. He stated just because they have talked about it being a truck stop a lot. Still does not mean it is.

He stated that Jarod Stubbs shows up on the application as the applicant and GWC shows up as the owner on the application. He stated that real party of interest is Circle K with has signed a fifty-year

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ground lease between Circle K and GWC for lot one and then the lease was sold to an investor, which is recorded. He stated that the have signed and is now paying rent on a fifty-year ground lease for lot two to GWC. He stated that GWC will then probably then sell that.

He stated that in order to have a place for someone to fuel up, you must have a brain to the operation. He stated that this in an integrated site, egress, dumpster, and convenience store. He went of the specifics in the application and how it could no operate by itself.

He stated that the numbers on the traffic study is coming in far below the numbers of the traffic study done in 2016. He stated that Circle K has presented competent and substantial evidence but Mr. Patel has not. He stated that there was a reason that the other side only focused on the noise, vibration, and fumes.

He stated that this is as an intensive of an area as you are going to get. He stated that he believes that Circle $K$ has followed the process.

Mr. Norris stated this is a very significant and serious matter for the City and the future of the City. Mr. Norris stated we are here for duo novo hearing as advised by your legal counsel. Mr. Norris stated he is advising you on the Florida law. Mr. Norris stated Florida law is very clear on duo process. Mr. Norris stated you are not a rubber stamp of the administrator and you are not bond by a mistake made by the Growth Management department for the City of Lake City.

Mr. Norris stated when you say you are entitled to the same process, you are correct. Mr. Norris stated we are not only here for Mr. Patel and Gateway Hotels, but are here for the public because the was a violation of due process. Mr. Norris stated that your counsel is going to advise you that per your Land Development Regulations that you will be guided in your decision by article 13.11 of the Land Development Regulations. He went through the article and why the Board could deny the application. Mr. Norris stated you are not a rubber stamp and that you are the deciding body that must make sure that the Land Development Regulations are applied correctly.

Mr. Norris stated it is funny that Circle K and the City's Growth Management department can not get past the first sentence of the definition of an automotive service station and as you can see that it is much for than one sentence. Mr. Norris stated you must follow and consider the definition of truck stop. Mr. Norris stated you must also consider Section 4.15 of the Land Development Regulations for CHI zoning district. Mr. Norris stated that a truck stop needs a special exception.

Mr. Norris stated that he wanted to address the question from the Chair of is this decision going to prohibit future development of this area. Mr. Norris stated the Land Development Regulations is clear of what is a permitted use and what is not. Mr. Norris stated that a truck stop requires a special exception. Mr. Norris stated that is in part because they are very well known for the noise, smoke, odor, and vibration.

Mr. Norris stated that is it funny that in the definition for automotive service station that it says however, which is code for wait a minute. Mr. Norris read the part of the definition after however. Mr. Norris stated that like a high-speed diesel pump added to a automotive service station. Mr. Norris stated that will you have level noise, smoke, or vibration greater than normal the use is prohibited.

Mr. Norris stated that when you use this application and all of the material that you will not see the use automotive service station on it. Mr. Norris stated it is important that no certified planner for the City or Circle K spoke about the project. Mr. Norris stated our planner a certified planner, stated that the facility does not meet the definition of an automotive service station in his opinion. Mr. Norris stated there is a reason that I am the only one harping on the definitions. Mr. Norris stated Mr. Serna in

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his testimony stated that Circle $K$ and the City staff made an error in viewing this as an automotive service station.

Mr. Norris stated that Mr. Serna stated that with the flawed logic of the viewing of the project Circle $K$ would be able to have twenty-three high speed diesel pumps and still be an automotive service station. Mr. Norris stated that three is no size limits for how many pumps there has to be. Mr. Norris stated they testified that they are going to prohibit cars from lot two. Mr. Norris stated that the principle use for lot two is for refueling of trucks. Mr. Norris stated that the representative from the FDOT testified that this is a truck stop.

Mr. Norris stated that in the definition of an automotive service station it mentions that if can not be a truck stop or a combination there of. Mr. Norris stated is very clear and each use must be viewed as a separate use.

Mr. Norris stated that there is no provision in the Land Development Regulations that allows you to call your project an expansion. Mr. Norris stated that it is undisputed that lot two is not used for autos.

Mr. Norris stated that the site plans shows how catastrophic this would be for the busiest intersection in all of Columbia County. Mr. Norris stated Circle K evidence will bring more than fifteen thousand new trucks to the intersection per year. Mr. Norris stated they will not be coming to the vacant lot but if approved they will come in droves to the mini truck stop. Mr. Norris stated that all of the traffic must come through the intersection to get onto Centurion Ct.

Mr. Norris stated that we have seen that even through there promises to restrict overnight parking is not managed well by Circle K. Mr. Norris stated if they did then you would not have trucks parallel parked on the exit ramp. Mr. Norris stated the intersection already backs up with traffic. Mr. Norris stated have established that the Tourist Development Council has concerns with this application.

Mr. Norris stated that the FDOT expressed concerns for the application. Mr. Norris stated the FDOT representative stated in his testimony that the DOT would not review the expired safety upgrade permit until the City worked with them. Mr. Norris asked the Board if the they were candid with you. Mr. Norris stated that if the new use is approved then a new access permit would need to be applied for thru the FDOT by the City as they are the owner of the road. Mr. Norris stated that in the email from the FDOT that they stated that the City did not communicate nor did they update for the permit and that the site plan is significantly different than what was presented.

Mr. Norris stated that according to the Circle K representative and quoted what he stated about the 2016 connection permit. Mr. Norris stated that none of that is a truck stop of even close. Mr. Norris stated that everyone can agree that none of the uses permitted in the connection permit are a truck stop. Mr. Norris stated we are not asking you to deny this based on comments from FDOT. Mr. Norris stated we are suggesting that the FDOT had no problem with the traffic in 2016, but they do now.

Mr. Norris stated is also clear that Circle K made no agreement to up grade the exit or the road. Mr. Norris stated that they burden imposed on the City road could put the City on the hook for the upgrades. Mr. Norris stated we have established thru Dr. Buckholtz testimony that this site is going to significantly increase traffic at this intersection. Mr. Norris stated that the Circle K is telling listen to us and not to the public and the experts on the other side and do not believe your common sense.

Mr. Norris stated that this the primary entrance to Columbia County and that the application is not compatible with the Gateway to Florida. Mr. Norris stated we have proved that the staff did not define the use of lot two correctly. Mr. Norris stated we strongly believe that this falls under the

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category of prohibited uses in section 4.15 .4 of the Land Development Regulations. Mr. Norris stated to assisted the Board we have prepared a recommended motion.

Robert Angelo recapped the process. He stated that the Land Development Regulations Administrator made an interpretation back in 2021 of whether this is a truck stop or not. He stated that was based on the Land Development Regulations, which is the book that we use to guide our decisions. He stated that we have to review what is in front of us. He stated you have heard lots of comments that it is not adequate, there is new uses, or it is not right. He stated that may be true but we have to view it with what is in front of use and not hypotheticals. He stated that we have to review competent and substantial evidence.

He stated that we reviewed this we looked at the definition of an automotive service station. He stated that in the last sentence of it, states that an automotive service station can not be a car wash, truck stop, or a body shop. He stated then we looked at those definitions. He stated when we reviewed the definition of a truck stop. He stated the definition is for primary use is for the refueling and servicing of tractor trailer rigs. He stated the it does not say and/or it says and. He stated that we are not here to argue if this is a truck stop or not, or the traffic studies. He stated that he recommends what Mr. Norris stated and that the Board should use the whole LDR not just a section of it.

Mr. Martin read into the record section 13.11 of the Land Development Regulations. He stated this is the criteria that Board should use when making their decision. Mr. Lydick if this is clear to the Board.

Mr. Carter stated that he is convinced that based on the definition of a truck stop in the LDR, all though at minimum it is a truck stop. He stated that he is convinced that it is not compatible with the district. He stated that he thinks that is does designate a separate principal use and would require a special exception.

Mr. McMahon stated that he is concerned with the amount of truck traffic coming in and out. Mr. Carter stated that the expert witness's testimony from Dr. Buckholtz and the Planner Mr. Serna heavily affected his opinion. Mrs. McKellum stated that her thoughts are about the safety and that the lady that spoke about her husband going to the hospital. She stated that with her driving the area going to the doctors. She stated that it should somewhere else.

Mr. Carter stated that the testimony form the gentlemen from FDOT that stated his concerns about the traffic affected his opinion as well.

Mr. Lydick asked about how they should do the motion. Mr. Martin advised how the motion should be.

Mr. Carter moved to motion SPR 22-15 in that it is incompatible with the character of the district and that the proposed use constitutes a separate principal use and that based on the definition of a truck stop although minimally meets that definition in 2.1 and for the City Attorney to bring back a resolution that adopts it. Mr. Nelson seconded the motion.

Mrs. McKellum: Aye Mr. Nelson: Aye Mr. McMahon: Aye<br>Mr. Carter: Aye<br>Mr. Lydick: Aye

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WORKSHOP: None

## ADJOURNMENT

Mr. Lydick closed the meeting.
Motion to Adjourn by: Mrs. McKellum
Time: 10:42 pm
Motion Seconded By: Mr. Carter

Mr. Lydick, Board Chairperson

Robert Angelo, Secretary

Date Approved

Date Approved

## EXHIBIT FGH1

## EXHIBIT FGH2

## EXHIBIT FGH3

(and

## EXHIBIT

FGH4


## EXHIBIT

FGH5


## EXHIBIT

FGH6


## APPLICANTS

## EXHIBIT

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## EXHIBIT

## PC1

January 17, 2024
City of Lake City Planning \& Zoning Board/ LPA
Via: e mail delivery
RE: Please vote AGAINST the Expansion of existing Circle K on USHW 90 to have additional pumps to serve large Diesel Vehicles, or large Trucks and Trailers of any kind.

Dear Board,

## My Experience and Some Applicable Background:

Licensed Real Estate Salesperson in FL since 2000
Commercial transaction award winner for Miami Dade Market in 2002-2004, 2007-2009
Consulting Firm for Economic and Real Estate Development in Greater
Homestead/Miami Bade area established in 2001
City of Live Oak CRA Director, 2013-2014
Suwannee County Development Authority Chairman, 2012-2013
With my clients and as a principal investor over a 10-12 year period we created over a Billion Dollars of taxable impact through the design, entitlement, development and delivery of over 7000 homes and hundreds of acres of Commercial and Retail Development including three Publix Shopping Centers, a new Hospital, a new Movie Theatre, many big box stores and a retail complex that housed the interim City Hall for many years as well.

I also work with repeat clients who buy and sell Commercial Real Estate using the 1031 codes and I underwrite acquisitions, confirm values and analyze and confirm applicable LDR's, HIBU, access, and DOT criteria both past and current to make sure the 1.5 m to 5 m per year in transactional volume.... meets our criteria.

## How I am Affected by this Proposal:

I have lived here since 2004 with my wife, my parents-in-law, my parents (since 2006) and our 4 children. I work in Lake City currently in my 'day job' as the Regional Land Acquisition Manager for a National Home Builder.

I work from Home in Wellborn and an office in Lake City on USHWY 90. My wife and I travel both the I-10/I-75 corridor to the USHW 90 intersection several times a week as well as the USHW 90 to Lake City route many times a month. Our Hospital, Restaurants, Doctors offices, vendors, pharmacies, and grocery providers all are along this stretch of USHW 90, intersected by I-75.

I have experienced the occasional Semi Truck and Trailer as well as large Campers try and navigate the short exit path and turning movement between USHW 90 and I- 75 from, and to the existing Circle K and the remainder of the development site and it's a complicated thing to watch, much less experience as someone who is trying to also get through that intersection. It is common to see two light cycles required during peak cycles for traffic to get through. The I-75 bridge also presents its own complications due to height and clearance tolerance as all who have lived here can attest.

There is insufficient space between I-75 exit and entrance ramps and the entrance to the Development AND insufficient space between the circle K and the USHW 90 intersection to manage current longer vehicle and truck traffic and to invite additional users to engage in these movements and intersections is a bad idea. Accidents, damage to the roadway, significant interruptions to East/West traffic flow WILL OCCUR. This is never a good idea and I would suggest as someone who lives West of I-75 it's also callous to the lives of West Lake City, Western Columbia County, and SE Suwannee County residents and taxpayers as unobstructed access to our only local Hospital via USHW 90 will be imperiled should you approve this request.

I have standing as a member of the public, and knowledge as someone who has engaged traffic engineers and planned large and small complicated projects with significant impacts to current and planned road design and conditions.

I've led a team designing and planning the siting and development of a 4-lane divided highway with a 5 -mile infrastructure loop serving tens of thousands of cars per day and negotiated a Release of RROW from the Turnpike Authority adjacent to a major exit as an example of past work connected to road use and design. I have even had Rick Hall, a leading transportation Engineer and a father of significant sections of the FDOT "Green Book" speak to groups like yourselves to encourage good design and planning. Based on all my personal experience with this intersection, and substantial work experience, I ask you to please vote NO on this item and to NOT SUPPORT any increase in large vehicle service at this location at this time.

I have not visited the Circle K as frequently as I one did with my wife to get gas and a frozen Coke or Icee (they have the best selection in FL) because we couldn't get out due to camper traffic taking up all the available insufficient stacking space in the short area between the exit and the signalized intersection. It's dangerous to cars, pedestrians and bikes and motorcycles now because of the minimal planning for egress/ingress and the increased traffic on both 90 and 75.

## Additional/Final Thoughts:

The State of FL is working to redesign I-75instead of building a new interstate in the state. This process will include access and bridge improvements to facilitate additional capacity and safer ingress and egress from same. Saying NO now is based on the current design of both the surrounding roads and the current configuration of I-75. This can possibly be considered again should things change.

The more we cram in near the current insufficient on and off ramps makes it that much more expensive for the State to redesign and implement better and safer access to and from I-75 in the future. Stop making it worse for all of us who use these roads now and preserve the opportunity to have better road design here in the future too by saying NO.

I appreciate your time and service. Your work is important and necessary. Please let me know if you have any questions.

3865909015 Mobile
Respectfully,


Tim Williams

# CITY ATTORNEY <br> <br> EXHIBIT 

 <br> <br> EXHIBIT}

1
3 PAGES

## CITY OF LAKE CITY

## LAND DEVELOPMENT REGULATIONS

### 13.11.3 Action on Site and Development Plan.

The Land Development Regulation Administrator shall forward the application for site and development plan approval along with any comments or criticisms to the Planning and Zoning Board for consideration. The Planning and Zoning Board shall handle such matters in a public session as part of a previously prepared agenda, however, no public notice and hearing is required. All matters relating to Planning and Zoning Board consideration of site and development plans shall be a public record and approval, approval with conditions, or denial shall require formal action of the Planning and Zoning Board. A petition for a zoning amendment and an application for site and development plan approval shall not be handled concurrently. Rather, an application for site and development plan approval shall be heard only after the applicant has secured the appropriate zoning on the subject parcel. Appeals from decisions of the Planning and Zoning Board shall be heard as set out in Article 12 of these land development regulations.

In reaching a decision as to whether or not the site and development plan as submitted should be approved with a directive to the Land Development Regulation Administrator to issue building permits, the Planning and Zoning Board shall be guided in its decision to approve, approve with conditions, or to deny by the following standards; the Planning and Zoning Board shall show in its record that each was considered where applicable and it shall make findings in regard to those of the following standards which it finds to be applicable:

1. Sufficiency of statements on ownership and control of the development and sufficiency of conditions of ownership or control, use, and permanent maintenance of common open space, common facilities, or common lands to ensure preservation of such lands and facilities for their intended purpose and to ensure that such common facilities will not become a future liability for the City Council.
2. Density and/or the intended use of the proposed development with particular attention to its relationship to adjacent and nearby properties and effect on those properties and relationship to the Comprehensive Plan.
3. Ingress and egress to the development and proposed structures on the development, with particular reference to automotive and pedestrian safety, minimization of marginal friction with free movement of traffic on adjacent streets, separation of automotive traffic and pedestrian and other traffic, traffic flow and control, provision of services and servicing of utilities and refuse collection, and access in case of fire, catastrophe, or emergency.
4. Location and relationship of offstreet parking and offstreet loading facilities to thoroughfares and internal traffic patterns within the proposed development, with particular reference to automotive and pedestrian safety, traffic flow and control, access in case of fire or catastrophe, and screening and landscape.
5. Sufficiency of proposed screens and buffers to preserve internal and external harmony and compatibility with uses inside and outside the proposed development.
6. Manner of stormwater management on the property, with particular reference to the effect of provisions for stormwater management on adjacent and nearby properties and the consequences of such stormwater management on overall public stormwater management capacities.
7. Adequacy of provision for sanitary sewers, with particular relationship to overall sanitary sewer availability and capacities.
8. Utilities, with reference to hook-in locations and availability and capacity for the uses projected.
9. Recreation facilities and open spaces, with attention to the size, location, and development of the areas as to adequacy, effect on privacy of adjacent and nearby properties and uses within the proposed development, and relationship to community open spaces and recreational facilities.
10. General amenities and convenience, with particular reference to assuring that appearance and general layout of the proposed development will be compatible and harmonious with properties in the general area and will not be in conflict with other development in the area as to cause substantial depreciation of property values.
11. Such other standards as may be imposed by these land development regulations on the particular use or activity involved.

## PUBLIC COMMENT FORMS




## REQUEST TO ADDRESS THE MAYOR AND COUNCIL

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DATE:
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ITER YOU WISH TO ADDRESS: $\qquad$ circle K
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DATE:


ITEM YOU WISH TO ADDRESS:
Circle K

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BATE: $1-10-24$
name: Azie Handy
 truck stop they want to put on Hoy 90

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174 sw Buzzetta Brookwoul Dr.

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DATE:


NAME: AME: Joe Abdkikns


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DATE: $\operatorname{Van} 10,2023$
NAME: Aaron Trippensee
 with FDO 1

ITERYOU WISH TO ADDRES: Circle K project
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DATE: $1 / 1712$
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DATE: $\qquad$
NAME: Jon than SluEs

ITEM YOU WISH TO ADDRESS:

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Date:- $1 / 17 / 24$
Ch. of Comm.

ITEM YOU WISH TO ADDRESS:
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DATE:
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NAME:



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DATE: $\frac{01 / 1012024}{\text { Taluk Patel }}$
name: Tanak Patel

ITEM YOU WM SH TO ADDRESS:

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date: $\frac{1 / 10 \mid 23}{\text { name: } \mathrm{Shail} \text { eon Patel }}$

ITEM YOU WISH TO ADDRESS:


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DATE: $1 / 10 / 24$
ramie: Amanda Jchnser

ITEM YOU KUSH TO ADDRESS:
Truck stop

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DATE: $1-10-24$
NAME:



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DATE: $\quad 1 / 16 / 24$
NATE:
John Cole

ITEM YOU WISH TO ADDRESS:


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DATE: $1-10-24$
NAWE:RON WIlliAmS


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DATE: $\quad 1 / 17 / 23$
NAME: TTM Williams

ITEM YOU WISH TO ADDRESS:
Circle K. Fueling Station

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DATE: $\frac{1 / 17 / 2.3}{\text { NAME: } \operatorname{Dylan} 4 d a m s}$

ITEM YOU WISH TO ADDRESS:


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## File Attachments for Item:

iii. CPA23-06 and Z23-07- Petitions submitted by David Winsberg (owner), to amend the Future Land Use M ap and Official Zoning Atlas of the Land Development Regulations by changing the Future Land Use from Residential M edium to Residential High density and changing the zoning district from Residential Single-Family 3 and Residential M ulti-Family 1 to Residential MultiFamily 2 on property described, as follows: Parcel No. 11602-002 and 11642-000..


## COMPREHENSIVE PLAN AMENDMENT

Small Scale: \$750.00 Large Scale: \$1,500.00

## A. PROJECT INFORMATION

1. Project Name: Winsberg Apartments
2. Address of Subject Property: NW Early Street
3. Parcel ID Number(s):00-00-00-11602-002, 30-3S-17-11642-000
4. Existing Future Land Use Map Designation: Residential - Medium Density
5. Proposed Future Land Use Map Designation: Residential - High Density
6. Zoning Designation: RMF-1 and RSF-3
7. Acreage: 7.50 Acres
8. Existing Use of Property: Vacant
9. Proposed use of Property: Apartment Buildings

## B. APPLICANT INFORMATION

1. Applicant Status $\quad$ E Owner (title holder) $\square$ Agent
2. Name of Applicant(s): David M. Winsberg Title:

Company name (if applicable):
Mailing Address: PO Box 2815
City: Lake City State: FL_Zip: 32056
Telephone: (__ ) 386-755-7449 Fax:(___ Email:_david@winsberginc.com
PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from government officials regarding government business is subject to public records requests. Your e-mail address and communications may be subject to public disclosure.
3. If the applicant is agent for the property owner*.

Property Owner Name (title holder):
Mailing Address: $\qquad$
City:_ State:__Z_Zip:____

Telephone: Fax:(___) Email:

PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from government officials regarding government business is subject to public records requests. Your e-mail address and communications may be subject to public disclosure.
*Must provide an executed Property Owner Affidavit Form authorizing the agent to act on behalf of the property owner.

## C. ADDITIONAL INFORMATION

1. Is there any additional contract for the sale of, or options to purchase, the subject property? If yes, list the names of all parties involved: №
If yes, is the contract/option contingent or absolute: $\square$ Contingent $\square$ Absolute
2. Has a previous application been made on all or part of the subject property? $\square$ Yes $\quad$ No Future Land Use Map Amendment: $\quad \mathrm{Yes}$ $\qquad$ Ⓝo $\qquad$ Future Land Use Map Amendment Application No. $\qquad$
Site Specific Amendment to the Official Zoning Atlas (Rezoning): $\square$ Yes $\qquad$ - No Site Specific Amendment to the Official Zoning Atlas (Rezoning) Application No. $\qquad$
Variance:-Yes $\qquad$ - No

Variance Application No.
Special Exception: $\quad$ Yes $\qquad$ - No Special Exception Application No.

## D. ATTACHMENT/SUBMITTAL REQUIREMENTS

1. Boundary Sketch or Survey with bearings and dimensions.
2. Aerial Photo (can be obtained via the Columbia County Property Appraiser's Office).
3. Concurrency Impact Analysis: Concurrency Impact Analysis of impacts to public facilities, including but not limited to Transportation, Potable Water, Sanitary Sewer, and Solid Waste impacts. For residential land use amendments, an analysis of the impacts to Public Schools is required.
4. Comprehensive Plan Consistency Analysis: An analysis of the application's consistency with the Comprehensive Plan (analysis must identify specific Goals, Objectives, and Policies of the Comprehensive Plan and detail how the application complies with said Goals, Objectives, and Policies). For text amendments to the Comprehensive Plan, the proposed text amendment in strike-thru and underline format.
5. Legal Description with Tax Parcel Number (In Microsoft Word Format).
6. Proof of Ownership (i.e. deed).
7. Agent Authorization Form (signed and notarized).
8. Proof of Payment of Taxes (can be obtained online via the Columbia County Tax Collector's Office).
9. Fee. The application fee for a Comprehensive Plan Amendment is as follows:
a. Small Scale Comprehensive Plan Amendment ( 10 Acres or less) $=\$ 750.00$
b. Large Scale Comprehensive Plan Amendment (More Than 10 Acres) $=\$ 1,500.00$ or actual city cost
c. Text Amendment to the Comprehensive Plan $=\$ 750.00$

No application shall be accepted or processed until the required application fee has been paid.

## NOTICE TO APPLICANT

All nine (9) attachments are required for a complete application. Once an application is submitted and paid for, a completeness review will be done to ensure all the requirements for a complete application have been met. If there are any deficiencies, the applicant will be notified in writing. If an application is deemed to be incomplete, it may cause a delay in the scheduling of the application before the Planning \& Zoning Board.

A total of fourteen (14) copies of proposed Comprehensive Plan Amendment Application and support material and a PDF copy on a CD are required at the time of submittal.

THE APPLICANT ACKNOWLEDGES THAT THE APPLICANT OR AGENT MUST BE PRESENT AT THE PUBLIC HEARING BEFORETHE PLANNING AND ZONING BOARD, AS ADOPTED IN THE BOARD RULES AND PROCEDURES, OTHERWISE THE REQUEST MAY BE CONTINUED TO A FUTURE HEARING DATE.

I hereby certify that all of the above statements and statements contained in any documents or plans submitted herewith are true and accurate to the best of my knowledge and belief.

## David M. Winsberg

Applicant/Agent Name (Type or Print)


Applicant/Agent Signature

August 6, 2023
Date



# Winsberg Apartments 

## CONCURRENCY \& COMPREHENSIVE PLAN CONSISTENCY ANALYSIS, \& ANALYSIS of the LDR's ARTICLE 12 REQUIREMENTS

David M. Winsberg
PE License \# 68463
Cert. Auth. \# 29596
Winsberg, Inc.
PO Box 2815
Lake City, FL 32056
Phone (386) 755-7449
Fax (888) 522-0030
david@winsberginc.com

## Water \& Sewer Usage

Water \& Sewer usage is 200 GPD per dwelling unit. Thus, total usage is $200 \times 150=30,000$ GPD.

## Solid Waste

Solid Waste is $8 \mathrm{lbs} /$ day per dwelling unit. Thus, total usage is $8 \times 150=1,200 \mathrm{lbs} /$ day .

## Trip Generation

ADT is 6.65 trips/day per dwelling unit. Thus, ADT is $6.65 \times 150=997.5$ trips/day.
PM peak trips is 0.62 trips per dwelling unit. Thus, PM peak trips is $0.62 \times 150=93$ trips.

## Consistency with Objectives and Policies for Urban Development Areas

GOAL I - IN RECOGNITION OF THE IMPORTANCE OF CONSERVING THE NATURAL RESOURCES AND ENHANCING THE QUALITY OF LIFE, THE CITY SHALL DIRECT DEVELOPMENT TO THOSE AREAS WHICH HAVE IN PLACE, OR HAVE AGREEMENTS TO PROVIDE, THE LAND AND WATER RESOURCES, FISCAL ABILITIES AND SERVICE CAPACITY TO ACCOMMODATE GROWTH IN AN ENVIRONMENTALLY ACCEPTABLE MANNER.

OBJECTIVE I. 1 The City shall continue to direct future population growth and associated urban development to urban development areas as established within this comprehensive plan.

> Consistency: The facility is located inside the Designated Urban Development Area and conforms to the requirements of the Comprehensive Plan and Land Development Regulations.

## Policy 1.1.1

The City shall limit the location of higher density residential and high intensity commercial and industrial uses to areas adjacent to arterial or collector roads where public facilities are available to support such higher density or intensity. In addition, the county shall enable private subregional centralized potable water and sanitary sewer systems to connect to public regional facilities, in accordance with the objective and policies for the urban and rural areas within this future land use element of the comprehensive plan.

Consistency: The facility is located along Northwest Early Street where adequate capacity for transportation, water, sanitary sewer, etc... is available to support the facility.

## Policy I.1.2

The City's future land use plan map shall allocate amounts and mixes of land uses for residential, commercial, industrial, public and recreation to meet the needs of the existing and projected future populations and to locate urban land uses in a manner where public facilities may be provided to
serve such urban land uses. Urban land uses shall be herein defined as residential, commercial and industrial land use categories.

Consistency: The property is being proposed to be used for activities that are consistent with usage of current surrounding properties.

Policy I.1.3
The City's future land use plan map shall base the designation of residential, commercial and industrial lands depicted on the future land use plan map upon acreage which can be reasonable expected to develop by the year 2025 .

Consistency: The property owner wishes to start construction as soon as is reasonably possible. They do not intend to wait until 2025 to begin construction.

Policy I.1.4
The City shall continue to maintain standards for the coordination and siting of proposed urban development near agricultural or forested areas, or environmentally sensitive areas (including but not limited to wetlands and floodplain areas) to avoid adverse impact upon existing land uses.

Consistency: The facility is not located in any environmentally sensitive areas. It will not be used for agricultural or forestry activities.

Policy I.1.5
The City shall continue to regulate govern future urban development within designated urban development areas in conformance with the land topography and soil conditions, and within an area which is or will be served by public facilities and services.

Consistency: The facility was designed so as to conform with the existing land topography, soil conditions, and other unique features specific to this property.

Policy I.1.6
The City's land development regulations shall be based on and be consistent with the following land use classifications and corresponding standards for densities and intensities within the designated urban development areas of the county. For the purpose of this policy and comprehensive plan, the phrase "other similar uses compatible with" shall mean land uses that can co-exist in relative proximity to other uses in a stable fashion over time such that no other uses within the same land use classification are negatively impacted directly or indirectly by the use.

Consistency: The facility is not designed to exceed any density, floor area ratio, or other similar required threshold. If necessary, a variance will be requested after exhausting all other options.

## Analysis of the LDR's Article 12 Requirements

a. Whether the proposed change would be in conformance with the county's comprehensive plan and would have an adverse effect on the county's comprehensive plan.

Analysis: The proposed zoning change is in conformance with the comprehensive plan and will not cause any adverse effects to the plan.
b. The existing land use pattern.

Analysis: Other parcels with this proposed zoning are located nearby.
c. Possible creation of an isolated district unrelated to adjacent and nearby districts.

Analysis: Other parcels with this proposed zoning are located in the area but are also isolated from sites with the same zoning.
d. The population density pattern and possible increase or overtaxing of the load on public facilities such as schools, utilities, streets, etc.

Analysis: A concurrency analysis for increases due to utility requirements and traffic impacts has been done. For the impact on schools, additional students may be present in the district as a result of the development. However, this development will not overtax the load on public facilities.
e. Whether existing district boundaries are illogically drawn in relation to existing conditions on the property proposed for change.

Analysis: The zoning that we propose for this property is more suitable to existing conditions than the current zoning of the property.
f. Whether changed or changing conditions make the passage of the proposed amendment necessary.

Analysis: Housing is needed in the area due to the increase in people moving to the area.
g. Whether the proposed change will adversely influence living conditions in the neighborhood.

Analysis: The proposed zoning change will positively affect the neighborhood's living conditions.
h. Whether the proposed change will create or excessively increase traffic congestion or otherwise affect public safety.

Analysis: The proposed zoning change will not create excessive traffic congestion and will not otherwise affect public safety.
i. Whether the proposed change will create a drainage problem.

Analysis: The proposed zoning change will not create any drainage problems.
j. Whether the proposed change will seriously reduce light and air to adjacent areas.

Analysis: The proposed zoning change will not reduce light or air to adjacent areas.
k. Whether the proposed change will adversely affect property values in the adjacent area.

Analysis: The proposed zoning change will likely cause property values in the adjacent area to increase.
I. Whether the proposed change will be a deterrent to the improvement or development of adjacent property in accord with existing regulations.

Analysis: The proposed zoning change may encourage the improvement and development of adjacent properties.
m . Whether the proposed change will constitute a grant of special privilege to an individual owner as contrasted with the public welfare.

Analysis: The proposed zoning change will not grant special privileges to the owner.
n . Whether there are substantial reasons why the property cannot be used in accord with existing zoning.

Analysis: What the developer wants to construct is not compatible with the current zoning.
o. Whether the change suggested is out of scale with the needs of the neighborhood or the City.

Analysis: Overall, there is a need for more housing to service the growth in the neighborhood and in the City.
p. Whether it is impossible to find other adequate sites in the city for the proposed use in districts already permitting such use. When pertaining to other proposed amendments of these land development regulations. The planning and zoning board shall consider and study:
i. The need and justification for the change.
ii. The relationship of the proposed amendment to the purposes and objectives of the comprehensive planning program and to the City's comprehensive plan, with appropriate consideration as to whether the proposed change will further the purposes of these land development regulations and other ordinances, regulations, and actions designed to implement the City's comprehensive plan.

Analysis: The owner has purchased this property awhile ago and would like to develop it.

Parcel ID \# 30-3S-17-11642-000:
The East $1 / 2$ of the East $1 / 2$ of the SW $1 / 4$ of the NE $1 / 4$ of Section 30 , Township 3 South, Range 17 East, Columbia County, Florida.

Less and Except:
Block 70 and Right-of-Way for Fronnie Street (now known as NW Early Street).
Parcel ID \# 00-00-00-11602-002:
Parcel One:
A parcel of land particularly described as follows:
Begin at the NW corner of West $1 / 2$ of Block "O" Northwestern Division, City of Lake City, Florida; run thence S 89 degrees 46 minutes 26 seconds $E$, along the North line of said Block "O" Northwestern Division, 238.90 feet; thence $S 02$ degrees 26 minutes 28 seconds $W$, 331.85 feet; thence $S 89$ degrees 02 minutes 37 seconds W, 214.94 feet to the West line of said Block "O", Northwestern Division; thence N 01 degrees 40 minutes 48 seconds $W, 336.23$ feet to the POINT OF BEGINNING.

Parcel Two:
A parcel of land particularly described as follows:
Commence at the NW corner of West $1 / 2$ of Block "O" Northwestern Division, City of Lake City, Florida run thence S 89 degrees 46 minutes 26 seconds E, along the North line of said Block "O" Northwestern Division, 288.94 feet to the POINT OF BEGINNING; thence $S 89$ degrees 46 minutes 26 seconds $E$, still along the said North line of Block "O" Northwestern Division 109.89 feet; thence S 02 degrees 26 minutes 28 seconds W, 356.89 feet; thence S 89 degrees 02 minutes 37 seconds W, 110.00 feet; thence N 02 degrees 26 minutes 28 seconds E, 359.16 feet to the POINT OF BEGINNING.

Prepared by:
Michael H. Harrell
Abstract \& Title Services, Inc.
111 East Howard Street

Insf/01612008372 Date-5/182016 Time:12:45 PM

Live Oak, Florida 32064
ATS\# 1-38045

## Special Warranty Deed

THIS WARRANTY DEED made the $\boldsymbol{K}^{+1}$ day of May 2016, by First Federal Bank of Florida, hereinafter called the grantor, whose address is 4705 W US 90 , Lake City, Florida 32055, to David Matthew Winsberg, whose post office address is P.O. Box 2815, Lake City, Florida 32056, hereinafter called the grantee:
(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporation)

Witnesseth: That the grantor, for and in consideration of the sum of $\$ 10.00$ and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys, and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz: Tax ID\# R11602-002 \& 11642-000

See Exhibit " $A$ " attached hereto and by this reference made a part hereof.
TOGETHER with all tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.
TO HAVE AND TO HOLD, the same in fee simple forever.
AND the Grantor does hereby covenant with Grantee that, except as above noted that, at the time of the delivery of this Deed, the premises were free from all encumbrances made by it, and that it will warrant and defend the same against the lawful claims and demands of all persons claiming by, through, or under it, but against none other.

GRANTOR makes no representation or warranties of any kind or character expressed or implied as to the condition of said property. The Grantees has inspected and examined the property and are purchasing same based on no representation or warranties expressed or implied made by Grantor but on their own judgment.

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.


STATE OF FLORIDA
COUNTY OF COLUMBIA
I hereby certify that on this $/ 6^{\text {ch }}$ day of May, 2016, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared PAM HITT, AS SENIOR EXECUTIVE VICE PRESIDENT OF FIRST FEDERAL BANK OF FLORIDA, to me known to be the person described in and who executed the foregoing instrument and acknowledged before me that she executed the same. Witness my hand and official seal in the County and State aforesaid this / $6 \times /$ day of May, 2016.

Notary Seal


10. Affiant(s) further state that they are each familiar with the nature of an oath; and with the penalties as provided by the laws of the State aforesaid for falsely swearing to statements made in an instrument of this nature, or have heard read to them, the full facts of this affidavit, and understand its context.


## STATE OF FLORIDA COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this $/ 6^{t /}$ day of May, 2016, by Pam Hitt, as Senior Executive Vice President of First Federal Bank of Florida, personally known to me or, if not personally known to me, who produced driver's licenses for identification and who did not take an oath.
(SEAL)



NOTARY PUBLIC
9.7 .2019

ATS\# 38045

## EXHIBIT "A"

PARCEL ONE: The East $1 / 2$ of the East $1 / 2$ of the SW $1 / 4$ of the NE $1 / 4$ of Section 30 , Township 3 South, Range 17 East, Columbia County, Fłorida.

LESS AND EXCEPT: Block 70 and Right-of-Way for Fronnie Street (now known as NW Early Street).

PARCEL TWO: A parcel of land particularly described as follows: Begin at the NW corner of West $1 / 2$ of Block "O" Northwestern Division, City of Lake City, Florida; run thence S 89 degrees 46 minutes 26 seconds E , along the North line of said Block "O" Northwestern Division, 238.90 feet; thence $\mathbf{S} 02$ degrees 26 minutes 28 seconds $W$, 331.85 feet; thence 589 degrees 02 minutes 37 seconds $W, 214.94$ feet to the West line of said Block "O", Northwestern Division; thence N 01 degrees 40 minutes 48 seconds W, 336.23 feet to the POINT OF BEGINNING.PARCEL THREE:A parcel of land particularly described as follows: Commence at the NW corner of West $1 / 2$ of Block " $O$ " Northwestern Division, City of Lake City, Florida run thence S 89 degrees 46 minutes 26 seconds $E$, along the North line of said Block "O" Northwestern Division, 288.94 feet to the POINT OF BEGINNING; thence S 89 degrees 46 minutes 26 seconds E, still along the said North line of Block "O" Northwestern Division 109.89 feet; thence 502 degrees 26 minutes 28 seconds $W, 356.89$ feet; thence 589 degrees 02 minutes 37 seconds $W, 110.00$ feet; thence N 02 degrees 26 minutes 28 seconds E, 359.16 feet to the POINT OF BEGINNING.

LESS AND EXCEPT: Commence at the Southeast corner of the W $1 / 2$ of Block "O" Northwestern Division of Lake City, Florida, and run thence South 90 degrees 25 minutes $W$, 235.0 feet along the South boundary line of the W $1 / 2$ of Block "O" for a POINT OF BEGINNING; run thence South 88 degrees 25 minutes $W$, 33.0 feet along the South boundary line of said $W 1 / 2$ of Block " $O^{\prime \prime}$, run thence North 01 degrees 40 minutes 40 seconds $E, 417.29$ feet to the North boundary line of the $W 1 / 2$ of Block " $O$ ", run thence North 88 degrees 55 minutes $E, 33.0$ feet along said North boundary line of the $W 1 / 2$ of Block " $O$ ", run thence South 1 degree 40 minutes 40 seconds $W, 417.29$ feet to the South boundary line of the W $1 / 2$ of Block "O" and the POINT OF BEGINNING.

## Ad Valorem Taxes and Non-Ad Valorem Assessments

The information contaned herein does not constitute a tite search and ahould not lee relied on as such



Erior Years Payment History

Register for eBill

Ad Valorem Taxes and Non－Ad Valorem Assessments
The normation contancer herein does not constate e the search and should not be relied on as such

| Account Number |  | Tax Type | Tax | Year |
| :---: | :---: | :---: | :---: | :---: |
| R11642－000 |  | REAL ESTATE | 2022 |  |
| Mailing Address <br> WINSBERG DAVID HATTHEM <br> P O BOX 2815 <br> LAKE CITY FL 32056 |  | GEO Nomber$303517-11642-000$ |  |  |
| See Below |  | Taxable Value |  |  |
| ```Exenption Detail Millage Code Escrow Code NO EXEMPIIONS 001 Legal Description (click for fall description) 30-35-17 0000/00005.30 Acres MN IIV: E1/2 OE E1/2 OF Spl/4 OF NE1/4, EX BLOCK 70 ER RD R/W. ORB {10-515, POA 1089-2792, 2797, ND 1089-2788, %% 1243-1215, SND 1315-513,``` |  |  |  |  |
| Ad Valorem Taxes |  |  |  |  |
| Taxing Authority | Rate | Assessed Exemption Valve Amount | Tarable Value | Taxes Levied |
| CIFY © Lute sty <br>  <br> CoLtwer cotnix schoot epho | 4.9000 | 7.2980 | \＄7．2日 | \＄25．75 |
|  | 7.2150 | 7,2820 | ＋7．218 | \＄50．94 |
|  |  | 7，2： 0 | 59，2年 | 55．45 |
| DISCRETIOKRRY | 0.7220 3.2550 | 7.2 ¢ |  | \＄24．24 |
| Lのニスt <br> CAPIEAL STELSY <br> gimatirer RTVER RhIER HGI DISI <br> LAKE aKORE BEgMITR AUTEORIEY | 1.5000 | 7.251 | 57．2：5 | \＄10．93 |
|  | 0.3368 | 7 7 2 ${ }^{\text {\％}}$ | 57．292 | \＄2．45 |
|  | 0.2008 | 7.289 | \＄7，2：9 | \％ 6.00 |
| Total Millage | 19.5989 | Total Taxes | \＄135．54 |  |
| Non－Ad Valorem Assessments |  |  |  |  |
| Code Levying An  <br> XICE SITY EIRE | $\begin{aligned} & \text { ty } \\ & \text { SYENT } \end{aligned}$ |  |  | $\begin{aligned} & \text { Amoant } \\ & \$ 50.40 \end{aligned}$ |
|  |  | Total Assessments |  | \＄52．40 |
|  |  | Iaxes $\%$ Assessments |  | \＄185．94 |

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FL PLANNING USE ONLY
Application \# Z $\qquad$ Application Fee \$ 750,00
ReceiptNo. $\qquad$ Completeness Date

# Site Specific Amendment to the Official Zoning Atlas (Rezoning) Application 

## A. PROJECT INFORMATION

1. Project Name: Winsberg Apartments
2. Address of Subject Property: NW Early Street
3. Parcel ID Number(s):00-00-00-11602-002, 30-35-17-11642-000
4. Future Land Use Map Designation: Residential - Medium Density
5. Existing Zoning Designation: RMF-1 and RSF-3
6. Proposed Zoning Designation: RMF-2
7. Acreage: 7.50 Acres
8. Existing Use of Property: Vacant
9. Proposed use of Property: Apartment Buildings

## B. APPLICANT INFORMATION

1. Applicant Status $\quad$ Owner (title holder) $\square$ Agent
2. Name of Applicant(s): David M. Winsberg Title:

Company name (if applicable):
Mailing Address: PO Box 2815
City: Lake City
State: FL
Zip: 32056
Telephone:_(
386-755-7449
Fax:_(__) $\qquad$ Email:david@winsberginc.com
PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from government officials regarding government business is subject to public records requests. Your e-mail address and communications may be subject to public disclosure.
3. If the applicant is agent for the property owner*.

Property Owner Name (title holder): $\qquad$
Mailing Address: $\qquad$

| City: | State: |  | Zip: |
| :---: | :---: | :---: | :---: |
| Telephone: (__) | Fax: (___) | Email: |  |

PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from government officials regarding government business is subject to public records requests. Your e-mail address and communications may be subject to public disclosure. *Must provide an executed Property Owner Affidavit Form authorizing the agent to act on behalf of the property owner.

## C. ADDITIONAL INFORMATION

1. Is there any additional contract for the sale of, or options to purchase, the subject property? If yes, list the names of all parties involved: No
If yes, is the contract/option contingent or absolute: $\square$ Contingent $\square$ Absolute
2. Has a previous application been made on all or part of the subject property: $\square \mathrm{Yes}$ № Future Land Use Map Amendment: $\square \mathrm{Yes}$ —No $\qquad$
Future Land Use Map Amendment Application No. CPA
Site Specific Amendment to the Official Zoning Atlas (Rezoning): $\square$ Yes__No
Site Specific Amendment to the Official Zoning Atlas (Rezoning) Application No. $\qquad$
Variance: $\square$ Yes $\qquad$ - No $\qquad$
Variance Application No.
Special Exception: $\quad$ Yes $\quad$ No
Special Exception Application No.

## D. ATTACHMENT/SUBMITTAL REQUIREMENTS

14. Boundary Sketch or Survey with bearings and dimensions.
15. Aerial Photo (can be obtained via the Columbia County Property Appraiser's Office).
16. Concurrency Impact Analysis: Concurrency Impact Analysis of impacts to public facilities, including but not limited to Transportation, Potable Water, Sanitary Sewer, and Solid Waste impacts. For residential Zoning Designations, an analysis of the impacts to Public Schools is required.
17. An Analysis of the Requirements of Article 12 of the Land Development Regulations:
a. Whether the proposed change would be in conformance with the county's comprehensive plan and would have an adverse effect on the county's comprehensive plan.
b. The existing land use pattern.
c. Possible creation of an isolated district unrelated to adjacent and nearby districts.
d. The population density pattern and possible increase or overtaxing of the load on public facilities such as schools, utilities, streets, etc.
e. Whether existing district boundaries are illogically drawn in relation to existing conditions on the property proposed for change.
f. Whether changed or changing conditions make the passage of the proposed amendment necessary.
g. Whether the proposed change will adversely influence living conditions in the neighborhood.
h. Whether the proposed change will create or excessively increase traffic congestion or otherwise affect public safety.
i. Whether the proposed change will create a drainage problem.
j. Whether the proposed change will seriously reduce light and air to adjacent areas.
k. Whether the proposed change will adversely affect property values in the adjacent area.
18. Whether the proposed change will be a deterrent to the improvement or development of adjacent property in accord with existing regulations.
m . Whether the proposed change will constitute a grant of special privilege to an individual owner as contrasted with the public welfare.
n. Whether there are substantial reasons why the property cannot be used in accord with existing zoning.
o. Whether the change suggested is out of scale with the needs of the neighborhood or the City.
p. Whether it is impossible to find other adequate sites in the city for the proposed use in districts already permitting such use. When pertaining to other proposed amendments of these land development regulations. The planning and zoning board shall consider and study:
i. The need and justification for the change.
ii. The relationship of the proposed amendment to the purposes and objectives of the comprehensive planning program and to the City's comprehensive plan, with appropriate consideration as to whether the proposed change will further the purposes of these land development regulations and other ordinances, regulations, and actions designed to implement the City's comprehensive plan.
19. Legal Description with Tax Parcel Number (In Microsoft Word Format).
20. Proof of Ownership (i.e. deed).
21. Agent Authorization Form (signed and notarized).
22. Proof of Payment of Taxes (can be obtained online via the Columbia County Tax Collector's Office).
23. Fee. The application fee for a Site Specific Amendment to the Official Zoning Atlas is As listed in fee schedule. No application shall be accepted or processed until the required application fee has been paid.

## NOTICE TO APPLICANT

All nine (9) attachments are required for a complete application. Once an application is submitted and paid for, a completeness review will be done to ensure all the requirements for a complete application have been met. If there are any deficiencies, the applicant will be notified in writing. If an application is deemed to be incomplete, it may cause a delay in the scheduling of the application before the Planning \& Zoning Board.

A total of eighteen (18) copies of proposed Site Specific Amendment to the Official Zoning Atlas Application and support material, and a PDF copy on a CD, are required at the time of submittal.

THE APPLICANT ACKNOWLEDGES THAT THE APPLICANT OR AGENT MUST BE PRESENT AT THE PUBLIC HEARING BEFORETHE PLANNING AND ZONING BOARD, AS ADOPTED IN THE bOARD RULES AND PROCEDURES, OTHERWISE THE REQUEST MAY BE CONTINUED TO A FUTURE HEARING DATE.

I hereby certify that all of the above statements and statements contained in any documents or plans submitted herewith are true and accurate to the best of my knowledge and belief.

## David M. Winsberg

Applicant/Agent Name (Type or Print)


## August 4, 2023

Applicant/Agent Signature
Date

STATE OF FLORIDA
COUNTY OF Lelumbia
The foregoing instrument was acknowledged before me this
(NOTARY SEAL or STAMP)


Printed Name of Notary
$\qquad$ OR Produced Identification $\qquad$ Type of Identification Produced



# Winsberg Apartments 

## CONCURRENCY \& COMPREHENSIVE PLAN CONSISTENCY ANALYSIS, \& ANALYSIS of the LDR's ARTICLE 12 REQUIREMENTS

David M. Winsberg
PE License \# 68463
Cert. Auth. \# 29596
Winsberg, Inc.
PO Box 2815
Lake City, FL 32056
Phone (386) 755-7449
Fax (888) 522-0030
david@winsberginc.com

## Water \& Sewer Usage

Water \& Sewer usage is 200 GPD per dwelling unit. Thus, total usage is $200 \times 150=30,000$ GPD.

## Solid Waste

Solid Waste is $8 \mathrm{lbs} /$ day per dwelling unit. Thus, total usage is $8 \times 150=\mathbf{1 , 2 0 0} \mathrm{lbs} /$ day .

## Trip Generation

ADT is 6.65 trips/day per dwelling unit. Thus, ADT is $6.65 \times 150=997.5$ trips/day.
PM peak trips is 0.62 trips per dwelling unit. Thus, PM peak trips is $0.62 \times 150=93$ trips.

## Consistency with Objectives and Policies for Urban Development Areas

GOAL I - IN RECOGNITION OF THE IMPORTANCE OF CONSERVING THE NATURAL RESOURCES AND ENHANCING THE QUALITY OF LIFE, THE CITY SHALL DIRECT DEVELOPMENT TO THOSE AREAS WHICH HAVE IN PLACE, OR HAVE AGREEMENTS TO PROVIDE, THE LAND AND WATER RESOURCES, FISCAL ABILITIES AND SERVICE CAPACITY TO ACCOMMODATE GROWTH IN AN ENVIRONMENTALLY ACCEPTABLE MANNER.

OBJECTIVE I. 1 The City shall continue to direct future population growth and associated urban development to urban development areas as established within this comprehensive plan.

Consistency: The facility is located inside the Designated Urban Development Area and conforms to the requirements of the Comprehensive Plan and Land Development Regulations.

Policy I.1.1
The City shall limit the location of higher density residential and high intensity commercial and industrial uses to areas adjacent to arterial or collector roads where public facilities are available to support such higher density or intensity. In addition, the county shall enable private subregional centralized potable water and sanitary sewer systems to connect to public regional facilities, in accordance with the objective and policies for the urban and rural areas within this future land use element of the comprehensive plan.

Consistency: The facility is located along Northwest Early Street where adequate capacity for transportation, water, sanitary sewer, etc... is available to support the facility.

Policy I.1.2
The City's future land use plan map shall allocate amounts and mixes of land uses for residential, commercial, industrial, public and recreation to meet the needs of the existing and projected future populations and to locate urban land uses in a manner where public facilities may be provided to
serve such urban land uses. Urban land uses shall be herein defined as residential, commercial and industrial land use categories.

Consistency: The property is being proposed to be used for activities that are consistent with usage of current surrounding properties.

Policy I.1.3
The City's future land use plan map shall base the designation of residential, commercial and industrial lands depicted on the future land use plan map upon acreage which can be reasonable expected to develop by the year 2025.

Consistency: The property owner wishes to start construction as soon as is reasonably possible. They do not intend to wait until 2025 to begin construction.

Policy I.1.4
The City shall continue to maintain standards for the coordination and siting of proposed urban development near agricultural or forested areas, or environmentally sensitive areas (including but not limited to wetlands and floodplain areas) to avoid adverse impact upon existing land uses.

Consistency: The facility is not located in any environmentally sensitive areas. It will not be used for agricultural or forestry activities.

Policy I.1.5
The City shall continue to regulate govern future urban development within designated urban development areas in conformance with the land topography and soil conditions, and within an area which is or will be served by public facilities and services.

Consistency: The facility was designed so as to conform with the existing land topography, soil conditions, and other unique features specific to this property.

Policy I.1.6
The City's land development regulations shall be based on and be consistent with the following land use classifications and corresponding standards for densities and intensities within the designated urban development areas of the county. For the purpose of this policy and comprehensive plan, the phrase "other similar uses compatible with" shall mean land uses that can co-exist in relative proximity to other uses in a stable fashion over time such that no other uses within the same land use classification are negatively impacted directly or indirectly by the use.

Consistency: The facility is not designed to exceed any density, floor area ratio, or other similar required threshold. If necessary, a variance will be requested after exhausting all other options.

## Analysis of the LDR's Article 12 Requirements

a. Whether the proposed change would be in conformance with the county's comprehensive plan and would have an adverse effect on the county's comprehensive plan.

Analysis: The proposed zoning change is in conformance with the comprehensive plan and will not cause any adverse effects to the plan.
b. The existing land use pattern.

Analysis: Other parcels with this proposed zoning are located nearby.
c. Possible creation of an isolated district unrelated to adjacent and nearby districts.

Analysis: Other parcels with this proposed zoning are located in the area but are also isolated from sites with the same zoning.
d. The population density pattern and possible increase or overtaxing of the load on public facilities such as schools, utilities, streets, etc.

Analysis: A concurrency analysis for increases due to utility requirements and traffic impacts has been done. For the impact on schools, additional students may be present in the district as a result of the development. However, this development will not overtax the load on public facilities.
e. Whether existing district boundaries are illogically drawn in relation to existing conditions on the property proposed for change.

Analysis: The zoning that we propose for this property is more suitable to existing conditions than the current zoning of the property.
f. Whether changed or changing conditions make the passage of the proposed amendment necessary.

Analysis: Housing is needed in the area due to the increase in people moving to the area.
g. Whether the proposed change will adversely influence living conditions in the neighborhood.

Analysis: The proposed zoning change will positively affect the neighborhood's living conditions.
h. Whether the proposed change will create or excessively increase traffic congestion or otherwise affect public safety.

Analysis: The proposed zoning change will not create excessive traffic congestion and will not otherwise affect public safety.
i. Whether the proposed change will create a drainage problem.

Analysis: The proposed zoning change will not create any drainage problems.
j. Whether the proposed change will seriously reduce light and air to adjacent areas.

Analysis: The proposed zoning change will not reduce light or air to adjacent areas.
k. Whether the proposed change will adversely affect property values in the adjacent area.

Analysis: The proposed zoning change will likely cause property values in the adjacent area to increase.
I. Whether the proposed change will be a deterrent to the improvement or development of adjacent property in accord with existing regulations.

Analysis: The proposed zoning change may encourage the improvement and development of adjacent properties.
m . Whether the proposed change will constitute a grant of special privilege to an individual owner as contrasted with the public welfare.

Analysis: The proposed zoning change will not grant special privileges to the owner.
n. Whether there are substantial reasons why the property cannot be used in accord with existing zoning.

Analysis: What the developer wants to construct is not compatible with the current zoning.
o. Whether the change suggested is out of scale with the needs of the neighborhood or the City.

Analysis: Overall, there is a need for more housing to service the growth in the neighborhood and in the City.
p. Whether it is impossible to find other adequate sites in the city for the proposed use in districts already permitting such use. When pertaining to other proposed amendments of these land development regulations. The planning and zoning board shall consider and study:
i. The need and justification for the change.
ii. The relationship of the proposed amendment to the purposes and objectives of the comprehensive planning program and to the City's comprehensive plan, with appropriate consideration as to whether the proposed change will further the purposes of these land development regulations and other ordinances, regulations, and actions designed to implement the City's comprehensive plan.

Analysis: The owner has purchased this property awhile ago and would like to develop it.

Parcel ID \# 30-3S-17-11642-000:
The East $1 / 2$ of the East $1 / 2$ of the SW $1 / 4$ of the NE $1 / 4$ of Section 30, Township 3 South, Range 17 East, Columbia County, Florida.

Less and Except:
Block 70 and Right-of-Way for Fronnie Street (now known as NW Early Street).
Parcel ID \# 00-00-00-11602-002:

Parcel One:
A parcel of land particularly described as follows:
Begin at the NW corner of West $1 / 2$ of Block "O" Northwestern Division, City of Lake City, Florida; run thence S 89 degrees 46 minutes 26 seconds E, along the North line of said Block "O" Northwestern Division, 238.90 feet; thence $S 02$ degrees 26 minutes 28 seconds $W, 331.85$ feet; thence $S 89$ degrees 02 minutes 37 seconds W, 214.94 feet to the West line of said Block " $O$ ", Northwestern Division; thence N 01 degrees 40 minutes 48 seconds $W, 336.23$ feet to the POINT OF BEGINNING.

Parcel Two:
A parcel of land particularly described as follows:
Commence at the NW corner of West $1 / 2$ of Block "O" Northwestern Division, City of Lake City, Florida run thence S 89 degrees 46 minutes 26 seconds E, along the North line of said Block "O" Northwestern Division, 288.94 feet to the POINT OF BEGINNING; thence $S 89$ degrees 46 minutes 26 seconds E, still along the said North line of Block "O" Northwestern Division 109.89 feet; thence S 02 degrees 26 minutes 28 seconds W, 356.89 feet; thence S 89 degrees 02 minutes 37 seconds $W, 110.00$ feet; thence $N 02$ degrees 26 minutes 28 seconds E, 359.16 feet to the POINT OF BEGINNING.

## Prepared by:

Michael H. Harrell
Abstract \& Title Services, Inc.
111 East Howard Street
Live Oak, Florida 32064

ATS\# 1-38045

## Special Warranty Deed

THIS WARRANTY DEED made the $/ 6 \neq$ day of May 2016, by First Federal Bank of Florida, hereinafter called the granter, whose address is 4705 W US 90, Lake City, Florida 32055, to David Matthew Winsberg, whose post office address is P.O. Box 2815, Lake City, Florida 32056, hereinafter called the grantee:
(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporation)

Witnesseth: That the grantor, for and in consideration of the sum of $\$ 10.00$ and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys, and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz: Tax ID\# R1 1602-002 \& 11642-000

See Exhibit "A" attached hereto and by this reference made a part hereof.
TOGETHER with all tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.
TO HAVE AND TO HOLD, the same in fee simple forever.
AND the Granter does hereby covenant with Grantee that, except as above noted that, at the time of the delivery of this Deed, the premises were free from all encumbrances made by it, and that it will warrant and defend the same against the lawful claims and demands of all persons claiming by, through, or under it, but against none other.

GRANTOR makes no representation or warranties of any kind or character expressed or implied as to the condition of said property. The Grantees has inspected and examined the property and are purchasing same based on no representation or warranties expressed or implied made by Granter but on their own judgment.

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.
Signed, sealed and delivered in our presence:


## STATE OF FLORIDA <br> COUNTY OF COLUMBIA

I hereby certify that on this $\angle L^{4 /}$ day of May, 2016, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared PAM HITT, AS SENIOR EXECUTIVE VICE PRESIDENT OF FIRST FEDERAL BANK OF FLORIDA, to me known to be the person described in and who executed the foregoing instrument and acknowledged before me that she executed the same. Witness my hand and official seal in the County and State aforesaid this $/ 6 \times L_{\text {day }}$ of May, 2016.

Notary Seal

10. Affiant(s) further state that they are each familiar with the nature of an oath; and with the penalties as provided by the laws of the State aforesaid for falsely swearing to statements made in an instrument of this nature, or have heard read to them, the full facts of this affidavit, and understand its context.


## STATE OF FLORIDA

COUNTY OF COLUMBIA
The foregoing instrument was acknowledged before me this $/ 6^{4}$ day of May, 2016, by Pam Hitt, as Senior Executive Vice President of First Federal Bank of Florida, personally known to me or, if not personally known to me, who produced driver's licenses for identification and who did not take an, oath.
(SEAL)


ATS\# 38045

## EXHIBIT "A"

PARCEL ONE: The East $1 / 2$ of the East $1 / 2$ of the SW $1 / 4$ of the NE $1 / 4$ of Section 30 , Township 3 South, Range 17 East, Columbia County, Florida.

LESS AND EXCEPT: Block 70 and Right-of-Way for Fronnie Street (now known as NW Early Street).
PARCEL TWO: A parcel of land particularly described as follows: Begin at the NW corner of West $1 / 2$ of Block "O" Northwestern Division, City of Lake City, Florida; run thence S 89 degrees 46 minutes 26 seconds E, along the North line of said Block "O" Northwestern Division, 238.90 feet; thence $\mathbf{S} 02$ degrees 26 minutes 28 seconds $W$, 331.85 feet; thence $S 89$ degrees 02 minutes 37 seconds $W, 214.94$ feet to the West line of said Block "O", Northwestern Division; thence N 01 degrees 40 minutes 48 seconds W, 336.23 feet to the POINT OF BEGINNING.PARCEL THREE:A parcel of land particularly described as follows: Commence at the NW corner of West $1 / 2$ of Block " $O$ " Northwestern Division, City of Lake City, Florida run thence S 89 degrees 46 minutes 26 seconds $E$, along the North line of said Block "O" Northwestern Division, 288.94 feet to the POINT OF BEGINNING; thence $S 89$ degrees 46 minutes 26 seconds E, still along the said North line of Block "O" Northwestern Division 109.89 feet; thence 502 degrees 26 minutes 28 seconds $W$, 356.89 feet; thence $S 89$ degrees 02 minutes 37 seconds $W, 110.00$ feet; thence $\mathbf{N} 02$ degrees 26 minutes 28 seconds E, 359.16 feet to the POINT OF BEGINNING.

LESS AND EXCEPT: Commence at the Southeast corner of the W $1 / 2$ of Block "O" Northwestern Division of Lake City, Florida, and run thence South 90 degrees 25 minutes $\mathrm{W}, 235.0$ feet along the South boundary line of the W 1/2 of Block "O" for a POINT OF BEGINNING; run thence South 88 degrees 25 minutes $W, 33.0$ feet along the South boundary line of said $W 1 / 2$ of Block " $O$ ", run thence North 01 degrees 40 minutes 40 seconds $E, 417.29$ feet to the North boundary line of the $W 1 / 2$ of Block " $O$ ", run thence North 88 degrees 55 minutes E, 33.0 feet along said North boundary line of the $W 1 / 2$ of Block " $O$ ", run thence South 1 degree 40 minutes 40 seconds $W, 417.29$ feet to the South boundary line of the W $1 / 2$ of Block "O" and the POINT OF BEGINNING.

## Ad Valorem Taxes and Non-Ad Valorem Assessments

The information centained herein does not constatute a tie search and should not be relied on as such.


## Register for eBill

## Ad Vallorem Taxes and Non-Ad Valorem Assessments

The information contained harein does not constidte a itie search anu should not be relied on as such


## Project Summary

# Project Name: Winsberg Apartments CPA and Re-zoning <br> Project Number: CPA23-06 and 223-07 <br> Parcel Number: 11602-002 and 11642-000 

## Project Notes

- Project type: Re-zoning and comprehensive plan amendment
- Future land use is: Residential Medium
- Proposed future land use is: Residential High
- Zoning designation is: Residential Single-Family 3 and Residential MultiFamily 1
- Proposed zoning is: Residential Multi-Family 2
- Proposed use of the property: Family Housing
- Land is conducive for use: Yes, per the LDR section 4.9.2.2. The parcel is not contiguous with other parcels that are residential multi-family 2 zoning district and is not in close proximity.
- See staff review for notes from directors and city staff for their comments.


## Project Summary

Project 223-07 and CPA23-05 is for a re-zoning and has been reviewed by city staff. Application is sufficient for review. After review of the petition the city staff has determined that the petition is consistent with the land development regulations and the comprehensive plan. The parcel is not contiguous with the Residential Multi-Family 2 Zoning District. At this time the City has concerns of traffic on Early Street as this proposed project would add an additional 997.5 trips per day per applicants traffic analysis.

# REVIEW REPORT TO PLANNING AND ZONING, BOARD OF ADJUSTMENT AND HISTORICAL COMMITTEES' BY STAFF FOR SITE PLAN REVIEW, SPECIAL EXCEPTIONS, VARIANCES, COMPREHENSIVE PLAN AMENDMENTS/ ZONING AND CERTIFICATE OF APPROPRIATENESS 

[^0]Request Type: Site Plan Review (SPR) $\square$ Speciai Exception (SE) $\square$ Variances (V) $\square$
Comprehensive Plan Amendment/Zoning (CPA/Z) $\quad$ Certificate of Appropriateness (COA) $\square$
Project Number:
CPA23-00 and Z23-00
Project Name:
Winsberg Apartments
Project Address:
NW Early St
Project Parcel Number
11602-002 and 11642-000
owner Name: David Winsberg
owner Address: PO Box 2815, Lake City, FL
Owner Contact Information: Telephone Number: 386-755-7449 Email: $\underset{ }{\text { david@winsberginc.com }}$
Owner Agent Name: $\qquad$
Owner Agent Address: $\qquad$
Owner Agent Contact Information: Telephone: $\qquad$ Email: $\qquad$

The City of Lake City staff has reviewed the application and documents provided for the above request and have determined the following.

Growth Management - Building Department, Planning and Zoning, Code Enforcement, Permitting

Building Department: Reviewed by: $\qquad$ Date: $\qquad$
Comments: $\qquad$
$\qquad$
$\qquad$

Planning and Zoning: Reviewed by: RebertAngels Date: 08/28/2023 Comments: The property is not contiguos to a residential multi-family 2 zoning district and is not in close proximity. However it is contiguos to a residential multi-family1. Proposed use would put 997.5 trip per day on Early St per traffic analysis.

Business License: Reviewed by: Marshall Sova $\frac{\text { Matshal sove Aus } 17.20230912 \text { E ETT }}{8 / 17 / 2023}$ Comments: If approved and apartments are built a business license will need to be applied for.
$\qquad$

|  | Marshall Sova | 8/17/2023 |
| :---: | :---: | :---: |
|  |  | Date: |

comments: No open code enforcement cases
$\qquad$
$\qquad$

Permitting: Reviewed by: Antawn_Date: 8/17/23
Comments: $\qquad$
$\qquad$
$\qquad$

| Water Department: Reviewed by: Michael L. Osborn Ir. | Date: $8 / 17 / 23$ |
| :---: | :---: |
| Comments: None |  |

$\qquad$
$\qquad$

Sewer Department: Reviewed by: Coly $\frac{1}{\text { Cather }}$ Date: $\underline{8 / 17 / 23}$
Comments: None
$\qquad$
$\qquad$
$\qquad$

Date: $\qquad$
Comments: $\qquad$
$\qquad$
$\qquad$

$\qquad$
$\qquad$
$\qquad$ Customer Service: Reviewed by: Shasta Peltame Date: 08/18/23 Comments: $\qquad$
A tap application and utility plans must be submitted in order to request water, sewer and/or natural gas services.
The tap fees, impact fees and utility deposit will be calculated upon approval of the tap application.

Public Safety - Public Works, Fire Department, Police Department

Public Works: Reviewed by: $\qquad$ Steve Brown (Aus 17. 202313:31 EDT) Date: $\qquad$
Comments: $\qquad$
$\qquad$
$\qquad$

Fire Department: Reviewed by: $\begin{aligned} & \text { Durgigt Boogen } \\ & \text { 08/17/2023 } \\ & \text { Date }\end{aligned}$
Comments: $\qquad$
$\qquad$
$\qquad$

Police Department: Reviewed by: $\qquad$ Date: $\qquad$
Comments: $\qquad$
$\qquad$
$\qquad$

Please provide separate pages for comments that will not fit in provided spaces and please label the pages for your department and for the project.

# LAKE CTY GROWTH MANAGEMENT STAFF ANALYSS REPORT 

| Project Information |  |
| :--- | :--- |
| Project Name and Case No. | Winsberg Apartments Rezoning-Z23-0 and CPA23-00 |
| Applicant | David Winsberg |
| Owner | David Winsberg |
| Requested Action | Rezone parcels 11602-002 and 11642-000 from residential <br> multi-family 1 and residential single-family 3 to residential <br> multi-family 2. Change the FLU from residential medium to <br> residential high. |
| Hearing Date | Sufficient for Review |
| Staff Analysis/Determination | Robert Angelo |
| Prepared By |  |


| Subject Property Information |  |
| :--- | :--- |
| Size | $+/-7.50$ Acres |
| Location | NW Early St, Lake City, FL |
| Parcel Number | $11602-002$ and 11642-000 |
| Future Land Use | Residential Medium |
| Proposed Future Land Use | Residential High |
| Current Zoning District | Residential Multi-Family 1 and Residential Single-Family 2 |
| Proposed Zoning | Residential Multi-Family 2 (RMF-2) |
| Flood Zone-BFE | Flood Zone X Base Flood Elevation-N/A |


| Land Use Table |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Direction | Future Land Use | Zoning | Existing Use | Comments |  |
| N | Residential <br> Medium | RSF-3 | Vacant |  |  |
| E | Residential <br> Medium | RMF-1 | Residential |  |  |
| S | Residential <br> Medium | RMF-1 | Residential |  |  |
| W | Residential <br> Medium | RSF-3 | Vacant |  |  |

## Map of Location



Picture of Location


## Summary of Request

Applicant has petitioned to rezone the above parcel from Residential Multi-Family 1 and Residential Single-Family 3 to Residential Multi-Family 2 and change the FLU from Residential Medium to Residential High. The current density allows for 8 dwelling units per acre and the proposed density will allow for 20 dwelling units. The parcels are not contiguous and are not in close proximity with the Residential Multi-Family 2 Zoning District. The applicants traffic analysis states that this change will potentially add 997.5 trips per day on NW Early St.


## CITY OF LAKE CITY <br> NOTICE <br> LAND USE ACTION

## A PUBLIC HEARING IS SCHEDULED TO CONSIDER A REQUEST FOR:

Z 23-07, an application by David M. Winsberg, to amend the Official Zoning Atlas of the Land Development Regulations by changing the zoning district from RESIDENTIAL, SINGLE
FAMILY-3 (RSF-3) to RESIDENTIAL, MULTIPLE FAMILY-2 (RMF-2) on property described, as follows:
A parcel of land lying in Section 30, Township 3 South, Range 17 East, Columbia County, Florida. Being more particularly describes as follows: The East $1 / 2$ of the East $1 / 2$ of the Southwest $1 / 4$ of the Northeast $1 / 4$ of said Section 30, North of Magnolia Heights Subdivision as recorded in the Public Records of Columbia County, Florida, and less the right-of-way of Northwest Early Street (formerly known as Fronnie Street).
Containing 5.30 acres, more or less.

WHEN: March 05, 2024
5:30 p.m.

WHERE: City Council Meeting Room, Second Floor, City Hall, located at 205 North Marion Avenue, Lake City, Florida. Members of the public may also view the meeting on our YouTube channel at: https://www.youtube.com/c/CityofLakeCity.

Copies of the amendment are available for public inspection by contacting the Office of Growth Management at growthmanagement@lcfla.com or by calling 386.719.5746.

At the aforementioned public hearing, all interested parties may be heard with respect to the amendment.

# FOR MORE INFORMATION CONTACT <br> ROBERT ANGELO <br> PLANNING \& ZONING TECHNICIAN <br> AT 386.719.5820 



# CITY OF LAKE CITY NOTICE LAND USE ACTION 

A PUBLIC HEARING IS SCHEDULED TO CONSIDER A REQUEST FOR:
Z 23-07, an application by David M. Winsberg, to amend the Official Zoning Atlas of the Land Development Regulations by changing the zoning district from RESIDENTIAL, MULTIPLE FAMILY-1 (RMF-1) to RESIDENTIAL, MULTIPLE FAMILY-2 (RMF-2) on property described, as follows:
A parcel of land lying in Section 30, Township 3 South, Range 17 East, Columbia County, Florida. Being more particularly describes as follows: Commence at the intersection of the centerlines of Northwest Early Street (formerly known as Fronnie Street) and Northwest Cray Way (formerly known as South Carolina Street); thence North $89^{\circ} 02^{\prime} 37^{\prime \prime}$ East 25.02 feet; thence North $02^{\circ} 26^{\prime} 28^{\prime \prime}$ East 85.04 feet to the Point of Beginning; thence continue North $02^{\circ} 26^{\prime} 28^{\prime \prime}$ East 359.16 feet; thence South $89^{\circ} 46^{\prime} 26^{\prime \prime}$ East 109.89 feet; thence South $02^{\circ} 26^{\prime} 28^{\prime \prime}$ West 356.89 feet; thence South $89^{\circ} 02^{\prime} 37^{\prime \prime}$ West 110.00 feet to the Point of Beginning.

Containing 0.91 acre, more or less.
AND
A parcel of land lying in Section 30, Township 3 South, Range 17 East, Columbia County, Florida. Being more particularly describes as follows: Commence at the intersection of centerlines of Northwest Early Street (formerly known as Fronnie Street) and Northwest Cray Way (formerly known as South Carolina Street); thence North $89^{\circ} 02^{\prime} 37^{\prime \prime}$ East 25.02 feet; thence North $02^{\circ} 26^{\prime} 28^{\prime \prime}$ East 444.20 feet; thence North $89^{\circ} 46^{\prime} 26^{\prime \prime}$ West 50.04 feet to the Point of Beginning; thence South $02^{\circ} 26^{\prime} 28^{\prime \prime}$ West 331.85 feet; thence South $89^{\circ} 02^{\prime} 37^{\prime \prime}$ West 214.94 feet; thence North $01^{\circ} 40^{\prime} 48^{\prime \prime}$ West 336.23 feet; thence South $89^{\circ} 46^{\prime} 26^{\prime \prime}$ East 238.90 feet to the Point of Beginning

Containing 1.74 acres, more or less.
All said lands containing 2.65 acres, more or less.
WHEN: March 05, 2024
5:30 p.m.
WHERE: City Council Meeting Room, Second Floor, City Hall, located at 205 North Marion Avenue, Lake City, Florida. Members of the public may also view the meeting on our YouTube channel at: https://www.youtube.com/c/CityofLakeCity.

Copies of the amendment are available for public inspection by contacting the Office of Growth Management at growthmanagement@1cfla.com or by calling 386.719.5746.

At the aforementioned public hearing, all interested parties may be heard with respect to the amendment.

# FOR MORE INFORMATION CONTACT ROBERT ANGELO <br> PLANNING \& ZONING TECHNICIAN 

# NOTICE OF PUBLIC MEETING CITY OF LAKE CITY PLANNING AND ZONING BOARD 

THIS SERVES AS PUBLIC NOTICE the Planning and Zoning Board will hold a meeting on Tuesday, March 5, 2024 at 5:30 PM or as soon after.

## Agenda items-

1. SPR 24-03, Petition submitted by Michael Wagner, (agent) for WPG-Lake City, LLC, (owner), for a Site Plan Review for Wawa, in a Commercial Intensive zoning district, and located on parcels 06185-000 and 06233-000, which is regulated by the Land Development Regulations Section 4.13.
2. CPA23-06 and Z23-07, Petition submitted by David Winsberg, (owner), for Comprehensive Plan Amendment to the Future Land Use and a Rezoning to the Official Zoning Atlas of land located in the residential multi-family 1 and the residential single family- 3 zoning districts, on parcels 11602-002 and 11642-000
3. SPR 24-02, Petition submitted by Carol Chadwick, (agent) for Kevin Bendenbaugh, (owner), for a Site Plan Review for Melrose Place, in a residential multi-family 2 zoning district, and located on parcel 13536000, which is regulated by the Land Development Regulations Section 4.9.

Meeting Location: City Council Chambers located on the $2^{\text {nd }}$ Floor of City Hall at 205 North Marion Avenue, Lake City, FL 32055.

Members of the public may also view the meeting on our YouTube channel at: https://www.youtube.com/c/CityofLakeCity
Pursuant to 286.0105, Florida Statutes, the City hereby advises the public if a person decides to appeal any decision made by the City with respect to any matter considered at its meetings or hearings, he or she will need a record of the proceedings, and that, for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

SPECIAL REQUIREMENTS: Pursuant to 286.26, Florida Statutes, persons needing special accommodations to participate in this meeting should contact the City Manager's Office at (386) 719-5768.

Robert Angelo
Planning and Zoning Tech.

| From: | LCR-Classifieds [classifieds@lakecityreporter.com](mailto:classifieds@lakecityreporter.com) |
| :--- | :--- |
| Sent: | Tuesday, February 20, 2024 3:06 PM |
| To: | Angelo, Robert |
| Subject: | RE: 76741 RE: Non-Legal Ad Notice for Planning and Zoning Meeting 03-05-2024 |

Confirmed

Thank you
Kym Harrison • 386-754-0401
Serving 4 counties in North Florida
$\mathbf{7 0 \%}$ of households with income above $\mathbf{\$ 1 0 0 k}$ are newspaper readers.
Sources: ${ }^{1} 2018$ Release 2 Nielsen Scarborough Report. Copyright 2019 Scarborough Research. All rights reserved

From: Angelo, Robert [AngeloR@lcfla.com](mailto:AngeloR@lcfla.com)
Sent: Tuesday, February 20, 2024 2:58 PM
To: LCR-Classifieds [classifieds@lakecityreporter.com](mailto:classifieds@lakecityreporter.com)
Subject: RE: 76741 RE: Non-Legal Ad Notice for Planning and Zoning Meeting 03-05-2024

Looks good.

Thank You
Robert Angelo
City of Lake City
Growth Management
growthmanagement@lcfla.com
386-719-5820


PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from City officials regarding City business are public records available to the public and media upon request. Your email communications may be subject to public disclosure.

From: LCR-Classifieds [classifieds@lakecityreporter.com](mailto:classifieds@lakecityreporter.com)
Sent: Tuesday, February 20, 2024 11:46 AM
To: Angelo, Robert [AngeloR@lcfla.com](mailto:AngeloR@lcfla.com)
Subject: 76741 RE: Non-Legal Ad Notice for Planning and Zoning Meeting 03-05-2024

Proof attached for approval. $2 \times 9$ \$297 publishing 2/24

Thank you
Kym Harrison • 386-754-0401
Serving 4 counties in North Florida
70\% of households with income above \$100k are newspaper readers.
Sources: ${ }^{1} 2018$ Release 2 Nielsen Scarborough Report. Copyright 2019 Scarborough Research. All rights reserved

From: Angelo, Robert [AngeloR@lcfla.com](mailto:AngeloR@lcfla.com)
Sent: Tuesday, February 20, 2024 10:25 AM
To: LCR-Classifieds [classifieds@lakecityreporter.com](mailto:classifieds@lakecityreporter.com)
Subject: Non-Legal Ad Notice for Planning and Zoning Meeting 03-05-2024
Kym
Please publish this ad in the body of the paper as a display ad in the February 24, 2024 paper.

Thank You
Robert Angelo
City of Lake City
Growth Management
growthmanagement@icfla.com
386-719-5820


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## NOTICE OF PUBLIC MEETING CITY OF LAKE CITY PLANNING AND ZONING BOARD

THIS SERVES AS PUBLIC NOTICE the Planning and Zoning Board will hold a meeting on Tuesday, March 5,2024 at 5:30 PM or as soon after.

## Agenda items-

1. SPR 24-03, Petition submitted by Michael Wagner, (agent) for WPG-Lake Cily, LLC, (owner), for a Site Plan Review for Wawa, in a Commercial Intensive zoning district, and located on parcels 06185-000 and $06233-000$, which is regulated by the Land Development Regulations Section 4,13.
2. CPAA3-06 and 223-07, Petition submitted by David Winsberg, (owner), for Comprehensive Plan Amendment to the Future Land Use and a Rezoning to the Official Zoning Aflas of land located in the residential multi-family 1 and the residential single family-3 zoning districts, on parcels $11602-002$ and $11642-000$
3. SPR 24-02, Petition submited by Carol Chadwick, (egent) for Kevin Bendenbaugh, (owner), for a Site Plan Review for Melrose Place, in a residenbal mult-family 2 zoning district, and located on parcel 13536000 , which is regulated by the Land Development Regulations Section 4.9.

Meeting Location: City Council Chambers located on the $2^{\text {nd }}$ Floor of City Hall at 205 North Marion Avenue, Lake City, FL 32055.

Members of the public may also view the meeting on our YouTube channel at: https://www. youtube.com/c/CityofLakeCity

Pursuant to $\mathbf{2 8 6 . 0 1 0 5}$, Florida Statutes, the City hereby advises the public if a person decides to appeal any decision made by the City with respect to any matter considered at its meetings or hearings, he or she will need a record of the proceedings, and that, for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

SPECIAL REQUIREMENTS: Pursuant to 286.26, Fiorida Statutes, persons needing special accommodations to participate in this meeting should contact the City Manager's Office at (386) 719-5768.

Robert Angelo<br>Planning and Zoning Tech.

# NOTICE OF PUBLIC MEETING CITY OF LAKE CITY PLANNING AND ZONING BOARD 

THIS SERVES AS PUBLIC NOTICE the Planning and Zoning Board will hold a meeting on Tuesday, March 5, 2024 at 5:30 PM or as soon after.

Agenda items-

1. SPR 24-03, Petition submitted by Michael Wagner, (agent) for WPG-Lake City, LLC, (owner), for a Site Plan Review for Wawa, in a Commercial Intensive zoning district, and located on parcels 06185-000 and 06233-000, which is regulated by the Land Development Regulations Section 4.13.
2. CPA23-06 and Z23-07, Petition submitted by David Winsberg, (owner), for Comprehensive Plan Amendment to the Future Land Use and a Rezoning to the Official Zoning Atlas of land located in the residential multi-family 1 and the residential single family-3 zoning districts, on parcels 11602-002 and 11642-000
3. SPR 24-02, Petition submitted by Carol Chadwick, (agent) for Kevin Bendenbaugh, (owner), for a Site Plan Review for Melrose Place, in a residential multi-family 2 zoning district, and located on parcel 13536000 , which is regulated by the Land Development Regulations Section 4.9.

Meeting Location: City Council Chambers located on the $2^{\text {nd }}$ Floor of City Hall at 205 North Marion Avenue, Lake City, FL 32055.

Members of the public may also view the meeting on our YouTube channel at: https://www.youtube.com/c/CityofLakeCity
Pursuant to $\mathbf{2 8 6 . 0 1 0 5}$, Florida Statutes, the City hereby advises the public if a person decides to appeal any decision made by the City with respect to any matter considered at its meetings or hearings, he or she will need a record of the proceedings, and that, for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

SPECIAL REQUIREMENTS: Pursuant to 286.26, Florida Statutes, persons needing special accommodations to participate in this meeting should contact the City Manager's Office at (386) 719-5768.

Robert Angelo
Planning and Zoning Tech.

| From: | LCR-Classifieds [classifieds@lakecityreporter.com](mailto:classifieds@lakecityreporter.com) |
| :--- | :--- |
| Sent: | Tuesday, February 20, 2024 3:57 PM |
| To: | Angelo, Robert |
| Subject: | RE: 803498803496 RE: Legal Ad for CPA 23-06 and Z 23-07 |

Confirmed!

Thank you
Kym Harrison • 386-754-0401
Serving 4 counties in North Florida
70\% of households with income above \$100k are newspaper readers.
Sources: ${ }^{1} 2018$ Release 2 Nielsen Scarborough Report. Copyright 2019 Scarborough Research. All rights reserved

From: Angelo, Robert [AngeloR@lcfla.com](mailto:AngeloR@lcfla.com)
Sent: Tuesday, February 20, 2024 3:25 PM
To: LCR-Classifieds [classifieds@lakecityreporter.com](mailto:classifieds@lakecityreporter.com)
Subject: RE: 803498803496 RE: Legal Ad for CPA 23-06 and Z 23-07

Looks good.

Thank You
Robert Angelo
City of Lake City
Growth Management
growthmanagement@lcfla.com
386-719-5820


PLEASE NOTE: Florida has a very broad pubiic records law. Most written communications to or from City officials regarding City business are public records available to the public and media upon request. Your email communications may be subject to public disclosure.

From: LCR-Classifieds [classifieds@lakecityreporter.com](mailto:classifieds@lakecityreporter.com)
Sent: Tuesday, February 20, 2024 3:14 PM
To: Angelo, Robert [AngeloR@lcfla.com](mailto:AngeloR@lcfla.com)
Subject: 803498803496 RE: Legal Ad for CPA 23-06 and Z 23-07

Thank you! Both attached for approval by noon on Friday.

Thank you
Kym Harrison • 386-754-0401
Serving 4 counties in North Florida

## $\mathbf{7 0 \%}$ of households with income above $\mathbf{\$ 1 0 0 k}$ are newspaper readers.

Sources: ${ }^{1} 2018$ Release 2 Nielsen Scarborough Report. Copyright 2019 Scarborough Research. All rights reserved

From: Angelo, Robert [AngeloR@lcfla.com](mailto:AngeloR@lcfla.com)
Sent: Tuesday, February 20, 2024 3:05 PM
To: LCR-Classifieds [classifieds@lakecityreporter.com](mailto:classifieds@lakecityreporter.com)
Subject: Legal Ad for CPA 23-06 and Z 23-07

Kym,
Please publish these two ads in the legal section on February 24, 2024.

Thank You
Robert Angelo
City of Lake City
Growth Management
growthmanagement@|cfla.com
386-719-5820


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LAKE CITY REPORTER 1086 SW MAIN BLVD STE 103

PO BOX 1709
LAKE CITY FL 32056-1709
(386) 752-1293

ORDER CONFIRMATION

| Salesperson: KYM HARRISON | Printed at 02/20/24 15:10 by kharr-cn |
| :---: | :---: |
| Acct \#: 45150 | Ad \#: 803496 Status: New WHOLD |
| CITY OF LAKE CITY | Start: 02/24/2024 Stop: 02/24/2024 |
| ATTN: FINANCE | Times Ord: 1 Times Run: *** |
| 205 N MARION AVE | STD 1.00 X 19.03 Words: 696 |
| LAKE CITY FL 32055 | Total STD 19.03 |
|  | Class: 8000 LEGAL COLUMBIA CO |
|  | Rate: LG Cost: 314.00 |
|  | \# Affidavits: 1 |
|  | Ad Descrpt: CPA 23-06 |
| Contact: AP CHERYL 719-5794 | Descr Cont: NOTICE OF PUBLIC HEARINGS |
| Phone: (386)719-5804 | Given by: * |
| Fax\#: | P.O. \#: |
| Email: | Created: kharr 02/20/24 15:08 |
| Agency: | Last Changed: kharr 02/20/24 15:10 |
| PUB ZONE EDT TP RUN DATES |  |
| LCR A 96 S 02/24 |  |

Under this agreement rates are subject to change with 30 days notice. In the event of a cancellation before schedule completion, I understand that the rate charged will be based upon the rate for the number of insertions used.

Name (print or type)
Name (signature)
(CONTINUED ON NEXT PAGE)
This ad has been reformatted for proofing purposes. Column breaks are not necessarily as they will appear in publication.

NOTICE OF PUBLIC HEARINGS CONCERNING AMENDMENTS TO THE CITY OF LAKE CITY COMPREHENSIVE PLAN
BY THE PLANNING AND ZONING BOARD OF THE CITY OF LAKE CITY, FLORIDA, SERVING ALSO AS THE LOCAL PLANNING AGENCY OF THE CITY OF LAKE CITY, FLORIDA, NOTICE IS HEREBY GIVEN that, pursuant to Section 163.3161 through 163.3248, Florida Statutes, as amended, and the City of Lake City Land Development Regulations, as amended, objections, recommendations and comments concerning the amendments, as described below, will be heard by the Planning and Zoning Board of the City of Lake City, Florida, serving also as the Local Planning Agency of the City of Lake City, Florida, at public hearings on March 05, 2024 at 5:30 p.m., or as soon thereafter as the matters can be heard in the City Council Meeting Room, Second Floor, City Hall, located at 205 North Marion Avenue, Lake City, Florida and via communications media technology.
CPA 23-06, an application by David M. Winsberg, to amend the Future Land Use Plan Map of the Comprehensive Plan by changing the future land use classification from RESIDENTIAL, MEDIUM DENSITY (less than or equal to 8 dwelling units per acre) to RESIDENTIAL, HIGH DENSITY (less than or equal to 20 dwelling units per acre) for the property described, as follows:
A parcel of land lying in Section 30, Township 3 South, Range 17 East, Columbia County, Florida. Being more particularly describes as follows: The East $1 / 2$ of the East $1 / 2$ of the Southwest $1 / 4$ of the Northeast $1 / 4$ of said Section 30 , North of Magnolia Heights Subdivision as recorded in the Public Records of Columbia County, Florida, and less the right-ofway of Northwest Early Street (formerly known as Fronnie Street).
Containing 5.30 acres, more or less.
AND
A parcel of land lying in Section 30, Township 3 South, Range 17 East, Columbia County, Florida. Being more particularly describes as follows: Commence at the intersection of the centerlines of Northwest Early Street (formerly known as Fronnie Street) and Northwest Cray Way (formerly known as South Carolina Street); thence North $89^{\circ} 02^{\prime} 37^{\prime \prime}$ East 25.02 feet; thence North $02^{\circ} 26^{\prime 2} 8^{\prime \prime}$ East 85.04 feet to the Point of Beginning; thence continue North $02^{\circ}$ $26^{\prime} 28^{\prime \prime}$ East 359.16 feet; thence South $89^{\circ} 46^{\prime} 26^{\prime \prime}$ East 109.89
feet; thence South $02^{\circ} 26^{\prime} 28^{\prime \prime}$ West 356.89 feet; thence South $89^{\circ} 02^{\prime} 37^{\prime \prime}$ West 110.00 feet to the Point of Beginning.
Containing 0.91 acre, more or less.
AND
A parcel of land lying in Section 30, Township 3 South, Range 17 East, Columbia County, Florida. Being more particularly describes as follows: Commence at the intersection of centerlines of Northwest Early Street (formerly known as Fronnie Street) and Northwest Cray Way (formerly known as South Carolina Street); thence North 89 ${ }^{\circ} 02^{\prime} 37^{\prime \prime}$ East 25.02 feet; thence North $02^{\circ} 26^{\prime} 28^{\prime \prime}$ East 444.20 feet; thence North $89^{\circ}$ $46^{\prime} 26^{\prime \prime}$ West 50.04 feet to the Point of Beginning; thence South 02026'28' West 331.85 feet; thence South $89^{\circ} 02^{\prime} 37^{\prime \prime}$ West 214.94 feet; thence North $01^{\circ} 40^{\prime} 48^{\prime \prime}$ West 336.23 feet; thence South $89^{\circ} 46^{\prime} 26^{\prime \prime}$ East 238.90 feet to the Point of Beginning
Containing 1.74 acres, more or less.
All said lands containing acres 7.95, more or less.

Members of the public may also view the meeting on our YouTube channel at: https://www.youtube.com/c/City of LakeCity.
Those attendees wishing to share a document must email the item to submissions@Icfla.com no later than noon on the day of the meeting.
Copies of the amendments are available for public inspection by contacting the Office of Growth Management at growthmanagement@|cfla.com or by calling 386.719.5746.
At the aforementioned public hearings, all interested parties may appear and be heard with respect to the amendments.
All persons are advised that if they decide to appeal any decision made at the above referenced public hearings, they will need a record of the proceedings, and that, for such purpose, they may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.
Persons with disabilities requesting reasonable accommodations to participate in these proceedings should contact the Office of City Manager, 386.719 .5768 at least 48 hours prior to the proceedings. If you are hearing or speech impaired, please contact the Florida Relay Service at 800.955.8770 (voice) or 800.955.8771 (TY).

803496
February 24, 2024

## NOTICE OF PUBLIC HEARINGS

## CONCERNING AMENDMENTS TO THE

CITY OF LAKE CITY COMPREHENSIVE PLAN


#### Abstract

BY THE PLANNING AND ZONING BOARD OF THE CITY OF LAKE CITY, FLORIDA, SERVING ALSO AS THE LOCAL PLANNING AGENCY OF THE CITY OF LAKE CITY, FLORDA, NOTICE IS HEREBY GIVEN that, pursuant to Section 163.3161 through 163.3248 , Florida Statutes, as amended, and the City of Lake City Land Development Regulations, as amended, objections, recommendations and comments concerning the amendments, as described below, will be heard by the Planning and Zoning Board of the City of Lake City, Florida, serving also as the Local Planning Agency of the City of Lake City, Florida, at public hearings on March 05, 2024 at 5:30 p.m., or as soon thereafter as the matters can be heard in the City Council Meeting Room, Second Floor, City Hall, located at 205 North Marion Avenue, Lake City, Florida and via communications media technology.


CPA 23-06, an application by David M. Winsberg, to amend the Future Land Use Plan Map of the Comprehensive Plan by changing the future land use classification from RESIDENTIAL, MEDIUM DENSITY (less than or equal to 8 dwelling units per acre) to RESIDENTIAL, HIGH DENSITY (less than or equal to 20 dwelling units per acre) for the property described, as follows:
A parcel of land lying in Section 30, Township 3 South, Range 17 East, Columbia County, Florida. Being more particularly describes as follows: The East $1 / 2$ of the East $1 / 2$ of the Southwest $1 / 4$ of the Northeast $1 / 4$ of said Section 30, North of Magnolia Heights Subdivision as recorded in the Public Records of Columbia County, Florida, and less the right-of-way of Northwest Early Street (formerly known as Fronnie Street).
Containing 5.30 acres, more or less.
AND
A parcel of land lying in Section 30, Township 3 South, Range 17 East, Columbia County, Florida. Being more particularly describes as follows: Commence at the intersection of the centerlines of Northwest Early Street (formerly known as Fronnie Street) and Northwest Cray Way (formerly known as South Carolina Street); thence North $89^{\circ} 02^{\prime} 37^{\prime}$ ' East 25.02 feet; thence North $02^{\circ} 26^{\prime} 28^{\prime \prime}$ East 85.04 feet to the Point of Beginning; thence continue North $02^{\circ} 26^{\prime} 28^{\prime \prime}$ East 359.16 feet; thence South $89^{\circ} 46^{\prime} 26^{\prime \prime}$ East 109.89 feet; thence South $02^{\circ} 26^{\prime} 28^{\prime \prime}$ West 356.89 feet; thence South $89^{\circ} 02^{\prime} 37^{\prime \prime}$ West 110.00 feet to the Point of Beginning.

Containing 0.91 acre, more or less.
AND
A parcel of land lying in Section 30, Township 3 South, Range 17 East, Columbia County, Florida. Being more particularly describes as follows: Commence at the intersection of centerlines of Northwest Early Street (formerly known as Fronnie Street) and Northwest Cray Way (formerly known as South Carolina Street); thence North $89^{\circ} 02^{\prime} 37^{\prime \prime}$ East 25.02 feet; thence North $02^{\circ} 26^{\prime} 28^{\prime \prime}$ East 444.20 feet; thence North $89^{\circ} 46^{\prime} 26^{\prime \prime}$ West 50.04 feet to the Point of Beginning; thence South $02^{\circ} 26^{\prime} 2^{\prime \prime}$ ' West 331.85 feet; thence South $89^{\circ} 02^{\prime} 37^{\prime \prime}$ West 214.94 feet; thence North $01^{\circ} 40^{\prime} 48^{\prime \prime}$ ' West 336.23 feet; thence South $89^{\circ} 46^{\prime} 26^{\prime \prime}$ East 238.90 feet to the Point of Beginning

Containing 1.74 acres, more or less.
All said lands containing acres 7.95 , more or less.

Members of the public may also view the meeting on our YouTube channel
at: https://www.youtube.com/c/CityofLakeCity.
Those attendees wishing to share a document must email the item to submissions@lcfla.com no later than noon on the day of the meeting.
Copies of the amendments are available for public inspection by contacting the Office of Growth Management at growthmanagement@lcfla.com or by calling 386.719.5746.
At the aforementioned public hearings, all interested parties may appear and be heard with respect to the amendments.
All persons are advised that if they decide to appeal any decision made at the above referenced public hearings, they will need a record of the proceedings, and that, for such purpose, they may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.
Persons with disabilities requesting reasonable accommodations to participate in these proceedings should contact the Office of City Manager, 386.719 .5768 at least 48 hours prior to the proceedings. If you are hearing or speech impaired, please contact the Florida Relay Service at 800.955 .8770 (voice) or 800.955.8771 (TTY).

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LAKE CITY REPORTER 1086 SW MAIN BLVD STE 103
PO BOX 1709
LAKE CITY FL 32056-1709
(386) 752-1293
ORDER CONFIRMATION
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Salesperson: KYM HARRISON

| Acct \#: 45150 | Ad \#: 803498 Status: New WHOLD |
| :---: | :---: |
| CITY OF LAKE CITY | Start: 02/24/2024 Stop: 02/24/2024 |
| ATTN: FINANCE | Times Ord: 1 Times Run: *** |
| 205 N MARION AVE | STD 1.00 X 19.49 Words: 698 |
| LAKE CITY FL 32055 | Total STD 19.49 |
|  | Class: 8000 LEGAL COLUMBIA CO |
|  | Rate: LG Cost: 321.59 |
|  | \# Affidavits: 1 |
|  | Ad Descrpt: Z 23-07 |
| Contact: AP CHERYL 719-5794 | Descr Cont: NOTICE OF PUBLIC HEARINGS |
| Phone: (386)719-5804 | Given by: * |
| Fax\#: | P.O. \#: |
| Email: | Created: kharr 02/20/24 15:11 |
| Agency: | Last Changed: kharr 02/20/24 15:12 |

Agency:

Printed at 02/20/24 15:13 by kharr-cn
Ad \#: 803498 Status: New WHOLD
Start: 02/24/2024 Stop: 02/24/2024
Times Ord: 1 Times Run: ***
STD 1.00 X 19.49 Words: 698
Total STD 19.49
Class: 8000 LEGAL COLUMBIA CO
Rate: LG Cost: 321.59
\# Affidavits: 1
Ad Descrpt: Z 23-07
Descr Cont: NOTICE OF PUBLIC HEARINGS
Given by:
Created: kharr 02/20/24 15:11
Last Changed: kharr 02/20/24 15:12

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PUB ZONE EDT TP RUN DATES
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LCR A 96 S 02/24

AUTHORIZATION
Under this agreement rates are subject to change with 30 days notice. In the event of a cancellation before schedule completion, I understand that the rate charged will be based upon the rate for the number of insertions used.
(CONTINUED ON NEXT PAGE)
This ad has been reformatted for proofing purposes. Column breaks are not necessarily as they will appear in publication.

NOTICE OF PUBLIC HEARINGS CONCERNING AMENDMENTS TO THE CITY OF LAKE CITY LAND DEVELOPMENT REGULATIONS
BY THE PLANNING AND ZONING BOARD OF THE CITY OF LAKE CITY, FLORIDA, SERVING ALSO AS THE LOCAL PLANNING AGENCY OF THE CITY OF LAKE CITY, FLORIDA, NOTICE IS HEREBY GIVEN that, pursuant to Section 163.3161 through 163.3248, Florida Statutes, as amended, and the City of Lake City Land Development Regulations, as amended, objections, recommendations and comments concerning the amendments, as described below, will be heard by the Planning and Zoning Board of the City of Lake City, Florida, serving also as the Local Planning Agency of the City of Lake City, Florida, at public hearings on March 05, 2024 at 5:30 p.m., or as soon thereafter as the matters can be heard in the City Council Meeting Room, Second Floor, City Hall, located at 205 North Marion Avenue, Lake City, Florida and via communications media technology.
Z 23-07, an application by David M. Winsberg, to amend the Official Zoning Atlas of the Land Development Regulations by changing the zoning district from RESIDENTIAL, SINGLE FAMILY-3 (RSF-3) and RESIDENTIAL, MULTIPLE FAMILY1 (RMF-1) to RESIDENTIAL, MULTIPLE FAMILY-2 (RMF-2) on property described, as follows:
From RESIDENTIAL, SINGLE FAMILY-3 (RSF-3) to MULTIPLE FAMILY-2 (RMF-2):
A parcel of land lying in Section 30, Township 3 South, Range 17 East, Columbia County, Florida. Being more particularly describes as follows: The East $1 / 2$ of the East $1 / 2$ of the Southwest $1 / 4$ of the Northeast $1 / 4$ of said Section 30, North of Magnolia Heights Subdivision as recorded in the Public Records of Columbia County, Florida, and less the right-ofway of Northwest Early Street (formerly known as Fronnie Street).
Containing 5.30 acres, more or less.
From RESIDENTIAL, MULTIPLE FAMILY-1 (RMF-1) to MULTIPLE FAMILY-2 (RMF-2): A parcel of land lying in Section 30, Township 3 South, Range 17 East, Columbia County, Florida. Being more particularly describes as follows: Commence at the intersection of the centerlines of Northwest Early Street (formerly known as Fronnie Street) and Northwest Cray Way (formerly known as South Carolina Street); thence North $89^{\circ} 02^{\prime} 37^{\prime \prime}$ East 25.02 feet; thence North $02^{\circ} 26^{\prime} 28^{\prime \prime}$ East
85.04 feet to the Point of Beginning; thence continue North $02^{\circ}$ 26'28" East 359.16 feet; thence South $89^{\circ} 46^{\prime 2} 6^{\prime \prime}$ East 109.89 feet; thence South $02^{\circ} 26^{\prime} 28^{\prime \prime}$ West 356.89 feet; thence South $89^{\circ} 02^{\prime} 37^{\prime \prime}$ West 110.00 feet to the Point of Beginning.
Containing 0.91 acre, more or less.
AND
A parcel of land lying in Section 30, Township 3 South, Range 17 East, Columbia County, Florida. Being more particularly describes as follows: Commence at the intersection of centerlines of Northwest Early Street (formerly known as Fronnie Street) and Northwest Cray Way (formerly known as South Carolina Street); thence North $89^{\circ} 02^{\prime} 37^{\prime \prime}$ East 25.02 feet; thence North $02^{\circ} 26^{\prime 2} 28^{\prime \prime}$ East 444.20 feet; thence North $89^{\circ}$ $46^{\prime} 26^{\prime \prime}$ West 50.04 feet to the Point of Beginning; thence South $02^{\circ} 26^{\prime 2} 28^{\prime \prime}$ West 331.85 feet; thence South $89^{\circ} 02^{\prime} 37^{\prime \prime}$ West 214.94 feet; thence North $01^{\circ} 40^{\prime} 48^{\prime \prime}$ West 336.23 feet; thence South $89^{\circ} 46^{\prime} 26^{\prime \prime}$ East 238.90 feet to the Point of Beginning
Containing 1.74 acres, more or less.
All said lands containing 7.95 acres, more or less.
Members of the public may also view the meeting on our YouTube channel at: https://www.youtube.com/c/City ofLakeCity.
Those attendees wishing to share a document must email the item to submissions@lcfla.com no later than 12:00 p.m. on the day of the meeting.
Copies of the amendments are available for public inspection by contacting the Office of Growth Management at growthmanagement lefla.com or by calling 386.719.5746.
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8034989
February 24, 2024

## NOTICE OF PUBLIC HEARINGS

## CONCERNING AMENDMENTS TO THE

## CITY OF LAKE CITY LAND DEVELOPMENT REGULATIONS

BY THE PLANNING AND ZONING BOARD OF THE CITY OF LAKE CITY, FLORIDA, SERVING ALSO AS THE LOCAL PLANNING AGENCY OF THE CITY OF LAKE CITY, FLORIDA, NOTICE IS HEREBY GIVEN that, pursuant to Section 163.3161 through 163.3248, Florida Statutes, as amended, and the City of Lake City Land Development Regulations, as amended, objections, recommendations and comments concerning the amendments, as described below, will be heard by the Planning and Zoning Board of the City of Lake City, Florida, serving also as the Local Planning Agency of the City of Lake City, Florida, at public hearings on March 05, 2024 at 5:30 p.m., or as soon thereafter as the matters can be heard in the City Council Meeting Room, Second Floor, City Hall, located at 205 North Marion Avenue, Lake City, Florida and via communications media technology.

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Containing 5.30 acres, more or less.

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AND
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at: https://www.youtube.com/c/CityofLakeCity.
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## LARE <br> Fioridas Gateway Est. 1859

February 20, 2023

To Whom it May Concern

On March 5, 2024 the Planning and Zoning Board will be having a meeting at $5: 30 \mathrm{pm}$, or as soon after, at 205 N . Marion. At this meeting we will be hearing petition CPA 23-06 and $Z$ 23-07, to change the future land use and rezone parcels 11602-002 and 11642-000, more specifically, to change the future land use from Residential Medium Density, 8 dwelling units per acre, to Residential High, 20 dwelling units per acre and to change the zoning from Residential Single Family-3 and Residential Multi-Family-1 to Residential Multi-Family-2.

If you have any questions or concerns please call 386-752-2031 ext. 820 or email growthmanagement@lcfla.com.

Robert Angelo


Planning and Zoning Tech
City of Lake City

| Columbia County Property Appraiser - Sales Reporl |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Name | Address1 | Address2 | Address3 | City | State | ZIP |
| BROOM DWAYNE | 538 NW EARLY ST |  | LAKE CITY | FL | 32055 |  |
| WILLIAMS DAMARQUIS ANTWAN | 427 NW CREDO WAY |  | LAKE CITY | FL | 32055 |  |
| COLE RONALD H | POBOX 16 |  | LAKE CITY | FL | 32056 |  |
| WINSBERG DAVID MATTHEW | POBOX 2815 |  | LAKE CITY | FL | 32056 |  |
| ROBERTS INVESTMENT GROUP INC | POBOX 273956 |  | TAMPA | FL | 33688 |  |
| WINSBERG DAVID MATTHEW | POBOX 2815 |  | LAKE CITY | FL | 32056 |  |
| BROWN KIMBERLY F | 966 NW CRAY WAY |  | LAKE CITY | FL | 32055-1209 |  |
| BOWDEN LARRY W | 967 NW CRAY WAY |  | LAKE CITY | FL | 32055-1210 |  |
| WEATHERS RAYMOND JR | 994 NW CRAY WAY |  | LAKE CITY | FL | 32055 |  |
| MULLINS SHIRLEY ANN | 1010 NW DYSON TER |  | LAKE CITY | FL | 32055 |  |
| BROOM EUGENIA JOHNSON | 538 NW EARLY ST |  | LAKE CITY | FL | 32055-1222 |  |
| JONES ROSHONDA W | 554 NW EARLY ST |  | LAKE CITY | FL | 32055 |  |
| SHEPPARD DENNIS | 568 NW EARLY ST |  | LAKE CITY | FL | 32055 |  |
| PAXTON CHELBONY DIX | 573 NW EARLY ST |  | LAKE CITY | FL | 32055 |  |
| FORD CARLA | 6085 THACKERAY LANE |  | TALLAHASSEE | FL | 32309 |  |
| HARPER TYRONE | 875 NW REDDING AVE |  | LAKE CITY | FL | 32055 |  |
| REEL LIFE LLC | 1245 E JANE AVE |  | KINGMAN | AZ | 86409 |  |
| FLOWERS BERTHAM | 605 NW HARPERS PL |  | LAKE CTTY | FL | 32055 |  |
| LEE RICHARD STEPHEN JR | 100 NW HARPERS PL |  | LAKE CITY | FL | 32055 |  |
| SAPP HENRY J | POBOX 3666 |  | LAKE CITY | FL | 32056 |  |
| DAVIS DONALD | 350 NW AUBURN PL |  | LAKE CITY | FL | 32055 |  |
| COLUMBIA COUNTY HOUSING AUTHORITY | 498 SW JUNIPER WAY |  | LAKE CITY | FL | 32025 |  |

GIS Buffer
(2)

| Columbia County Property Appraiser - Sales Reporl |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Name | Address1 | Address2 | Address3 | City | State | ZIP |
| TSHABALALA RICHARD ANDREW | 2731 XERXES AVE NORTH |  | ROBBINSDALE | MN | 55422 |  |
| ELLIOTT SHIRLEY LEOLA | 7248 VENUS RD |  | COLUMBIA | SC | 29209 |  |
| TSHABALALA RICHARD ANDREW | 2731 XERXES AVE NORTH |  | ROBBINSDALE | MN | 55422 |  |
| WILLIAMS DAMARQUIS ANTWAN | 427 NW CREDO WAY |  | LAKE CITY | FL | 32055 |  |
| COLE RONALD H | POBOX 16 |  | LAKE CITY | FL | 32056 |  |
| WINSBERG DAVID MATTHEW | POBOX 2815 |  | LAKE CITY | FL | 32056 |  |
| ROBERTS INVESTMENT GROUP INC | POBOX 273956 |  | TAMPA | FL | 33688 |  |
| WINSBERG DAVID MATTHEW | POBOX 2815 |  | LAKE CITY | FL | 32056 |  |
| BROWN KIMBERLYF | 966 NW CRAY WAY |  | LAKE CITY | FL | 32055-1209 |  |
| BOWDEN LARRY W | 967 NW CRAY WAY |  | LAKE CITY | FL | 32055-1210 |  |
| WEATHERS RAYMOND JR | 994 NW CRAY WAY |  | LAKE CITY | FL | 32055 |  |
| PAXTON CHELBONY DIX | 573 NW EARLY ST |  | LAKE CITY | FL | 32055 |  |
| FORD CARLA | 6085 THACKERAY LANE |  | tallahassee | FL | 32309 |  |
| JAMES JAMES H | 575 NW GIBSON LN |  | LAKE CITY | FL | 32055 |  |
| JAMES JAMES W | 587 NW GIBSON LN |  | LAKE CITY | FL | 32055 |  |
| douglas clyde | 929 NE JOE CORNY TER |  | LAKE CITY | FL | 32055 |  |
| CORDLE ROBERTT | 607 NW GIBSON LN |  | LAKE CITY | FL | 32055 |  |
| BELL SANDRA | 625 NW GIBSON LN |  | LAKE CITY | FL | 32025 |  |
| REEL LIFE LLC | 1245 E Jane Ave |  | KINGMAN | AZ | 88409 |  |
| HARPER TERINDAD | 875 NW REDDING AVE |  | LAKE CITY | FL | 32055 |  |
| FLOWERS BERTHAM | 605 NW HARPERS PL |  | LAKE CITY | FL | 32055 |  |
| LEE RICHARD STEPHEN JR | 100 NW HARPERS PL |  | LAKE CITY | FL | 32055 |  |
| HARRIS MICHAEL | 418 NW JEFFERSON ST |  | Lake CITY | FL | 32055 |  |
| NEW DAY SPRING MISSIONARY BAPTIST CHURCH | 1321 WLONG ST |  | LAKE CITY | FL | 32055 |  |
| WYCHE TAMIR | 879 NW MAGNOLIA WAY |  | LAKE CITY | FL | 32055 |  |
| dixon latwalad | 894 NW MAGNOLLA WAY |  | LAKE CITY | FL | 32055 |  |
| dixon latwala | 894 NW MAGNOLLA WAY |  | LAKE CITY | FL | 32055 |  |
| DAVIS DONALD | 350 NW AUBURN PL |  | LAKE CITY | FL | 32055 |  |
| SEALS BLONIRENE | POBOX 3211 |  | LAKE CITY | FL | 32056-3211 |  |
| ADAMS WETTE $W$ | 683 NW SHAW GLN |  | LAKE CITY | FL | 32055 |  |

## GIS Buffer



## File Attachments for Item:

iv. SPR24-03, Petition submitted by M ichael Wagner. (agent) for WPG-Lake City, LLC (owner), for a Site Plan Review for Wawa, in the Commercial Intensive Zoning District, and located on parcels 06185-000 and 06233-000, which is regulated by the Land Development Regulations section 4.13.

GROWTH MANAGEMENT
205 North Marion Ave.
Lake City, FL 32055
Telephone: (386)719-5750
E-Mail:
growthmanagement@1cfla.com
$1-\downarrow$ PLANNING USE ONLY
Application \# SPR 24-03
Application Fee: $\$ \mathbf{2 0 0 , 0 0}$
Receipt No. 2024-00030721
Filing Date $02 / 06 / 2024$
Completeness Date 02/15/2024

## Site Plan Application

## A. PROJECT INFORMATION

1. Project Name: Gas Station / C-Store Lake City
2. Address of Subject Property: 1518 W US HIGHWAY 90, LAKE CITY, FL
3. Parcel ID Number(s): 31-3S-17-06185-000 \& 31-3S-17-06233-000
4. Future Land Use Map Designation: Commercial
5. Zoning Designation: Cl -Commercial Intensive
6. Acreage: 8.58 AC
7. Existing Use of Property: VEH SALE/REPAIR (2700)
8. Proposed use of Property: Gas station with convenient store. (Automobile Self-Service Station)
9. Type of Development (Check All That Apply):
( ) Increase of floor area to an existing structure: Total increase of square footage $\qquad$
$(x)$ New construction: Total square footage 6,119 SF
() Relocation of an existing structure: Total square footage $\qquad$

## B. APPLICANT INFORMATION

1. Applicant Status © Owner (title holder) $\square$ Agent
2. Name of Applicant(s): MICHAEL T WAGNER Title: MANAGER
Company name (if applicable): WPG-LAKE CITY, LLC
Mailing Address: 4211 W Borscout BLVD, SUITE 620
City: TAMPA State:_FL Zip: 33607

Telephone: $\qquad$ ) Email:_sliakos@wagspg.com
PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from government officials regarding government business is subject to public records requests. Your e-mail address and communications may be subject to public disclosure.
3. If the applicant is agent for the property owner*.

Property Owner Name (title holder):
Mailing Address:
City:__State:__ZZip
Tele

PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from government officials regarding government business is subject to public records requests. Your e-mail address and communications may be subject to public disclosure. *Must provide an executed Property Owner Affidavit Form authorizing the agent to act on behalf of the property owner.

## C. ADDITIONAL INFORMATION

1. Is there any additional contract for the sale of, or options to purchase, the subject property? If yes, list the names of all parties involved: $\qquad$
If yes, is the contract/option contingent or absolute: $\square$ Contingent $\square$ Absolute
2. Has a previous application been made on all or part of the subject property? $\square$ Yes $\otimes \mathrm{No}$ -
$\qquad$
Future Land Use Map Amendment Application No.
Site Specific Amendment to the Official Zoning Atlas (Rezoning): $\square$ Yes $\qquad$ ${ }^{\infty} \mathrm{No}$
Site Specific Amendment to the Official Zoning Atlas (Rezoning) Application No. $\qquad$
Variance:ロYes $\qquad$ $\otimes \mathrm{No}$
Variance Application No.
Special Exception: $\quad$ Yes
$\qquad$

Special Exception Application No.

## D. ATTACHMENT/SUBMITTAL REQUIREMENTS

1. Vicinity Map - Indicating general location of the site, abutting streets, existing utilities, complete legal description of the property in question, and adjacent land use.
2. Site Plan - Including, but not limited to the following:
a. Name, location, owner, and designer of the proposed development.
b. Present zoning for subject site.
c. Location of the site in relation to surrounding properties, including the means of ingress and egress to such properties and any screening or buffers on such properties.
d. Date, north arrow, and graphic scale not less than one inch equal to 50 feet.
e. Area and dimensions of site (Survey).
f. Location of all property lines, existing right-of-way approaches, sidewalks, curbs, and gutters.
g. Access to utilities and points of utility hook-up.
h. Location and dimensions of all existing and proposed parking areas and loading areas.
i. Location, size, and design of proposed landscaped areas (including existing trees and required landscaped buffer areas).
j. Location and size of any lakes, ponds, canals, or other waters and waterways.
k. Structures and major features fully dimensioned including setbacks, distances between structures, floor area, width of driveways, parking spaces, property or lot lines, and percent of property covered by structures.
l. Location of trash receptacles.
m. For multiple-family, hotel, motel, and mobile home park site plans:
i. Tabulation of gross acreage.
ii. Tabulation of density.
iii. Number of dwelling units proposed.
iv. Location and percent of total open space and recreation areas.
v. Percent of lot covered by buildings.

## vi. Floor area of dwelling units.

vii. Number of proposed parking spaces.
viii. Street layout.
ix. Layout of mobile home stands (for mobile home parks only).
3. Stormwater Management Plan-Including the following:
a. Existing contours at one foot intervals based on U.S. Coast and Geodetic Datum.
b. Proposed finished elevation of each building site and first floor level.
c. Existing and proposed stormwater management facilities with size and grades.
d. Proposed orderly disposal of surface water runoff.
e. Centerline elevations along adjacent streets.
f. Water management district surface water management permit.
4. Fire Department Access and Water Supply Plan: The Fire Department Access and Water Supply Plan must demonstrate compliance with Chapter 18 of the Florida Fire Prevention Code, be located on a separate signed and sealed plan sheet, and must be prepared by a professional fire engineer licensed in the State of Florida. The Fire Department Access and Water Supply Plan must contain fire flow calculations in accordance with the Guide for Determination of Required Fire Flow, latest edition, as published by the Insurance Service Office ("ISO") and/or Chapter 18, Section 18.4 of the Florida Fire Prevention Code, whichever is greater.
5. Concurrency Impact Analysis: Concurrency Impact Analysis of impacts to public facilities. For commercial and industrial developments, an analysis of the impacts to Transportation, Potable Water, Sanitary Sewer, and Solid Waste impacts are required.
6. Comprehensive Plan Consistency Analysis: An analysis of the application's consistency with the Comprehensive Plan (analysis must identify specific Goals, Objectives, and Policies of the Comprehensive Plan and detail how the application complies with said Goals, Objectives, and Policies).
7. Legal Description with Tax Parcel Number (In Word Format).
8. Proof of Ownership (i.e. deed).
9. Agent Authorization Form (signed and notarized).
10. Proof of Payment of Taxes (can be obtained online via the Columbia County Tax Collector's Office).
11. Fee. The application fee for a Site and Development Plan Application is $\$ 200.00$. No application shall be accepted or processed until the required application fee has been paid.

## NOTICE TO APPLICANT

All eleven (11) attachments are required for a complete application. Once an application is submitted and paid for, a completeness review will be done to ensure all the requirements for a complete application have been met. If there are any deficiencies, the applicant will be notified in writing. If an application is deemed to be incomplete, it may cause a delay in the scheduling of the application before the Planning \& Zoning Board.

A total of ten (10) copies of proposed site plan application and all support materials must be submitted along with a PDF copy on a CD. See City of Lake City submittal guidelines for additional submittal requirements.

## THE APPLICANT ACKNOWLEDGES THAT THE APPLICANT OR AGENT MUST BE PRESENT AT THE PUBLIC HEARING BEFORETHE PLANNING AND ZONING BOARD, AS ADOPTED IN THE BOARD RULES AND PROCEDURES, OTHERWISE THE REQUEST MAY BE CONTINUED TO A FUTURE HEARING DATE.

I hereby certify that all of the above statements and statements contained in any documents or plans submitted herewith are true and accurate to the best of my knowledge and belief.

## MICHAEL T WAGNER

Applicant/Agent Name (Type or Print)


Applicant/Agent Name (Type or Print)

Applicant/Agent Signature


Date

STATE OF FLORIDA

$\qquad$ OR Produced Identification $\qquad$ Type of Identification Produced















GVOY 3WOงTヨM SYヨLSIS MS



















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-
(1) tree installation nts







\footnotetext{
LANDSCAPE NOTES:







## DRAINAGE CALCULATION BOOK

for<br>Wawa - Lake City

1518 W US HWY 90.
Lake City, FL 32055
City of Lake City
Prepared for:


Prepared by


Certificate of Authorization No. 30780
600 North Westshore Blvd, Suite 950
Tampa, FL 33609


Sick



This item has been digitally signed and sealed by Kyle Steven Morel, PE, on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
Kyle Morel, P.E.
Florida Professional Engineer License No. 77085
January 23, 2024

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Stormwater Narrative
Appendix A Aerial Map
Appendix B Vicinity Map
Appendix C Pre \& Post Basin Maps
Appendix D FEMA Map
Appendix E NRCS Soils Map
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Appendix G Ponds

## STORMWATER NARRATIVE

Project Name: Wawa Lake City Location: 1518 W US 90. Lake City, FL 32055<br>Permittee: WPG-Lake City, LLC<br>Operating Entity: WPG-Lake City, LLC<br>Project Area: 6.48 AC<br>Project Land Use: Commercial (C-Store)

## I. Introduction

This project proposes the development of a 5,915 SF C-Store and 8 gas pump stations on a 5.16 AC parcel and a 1.32 AC pad ready outparcel as well as the necessary infrastructure. A dry pond is utilized to provide quality and quantity for the new development and the outparcel. The project is located at 1518 W US 90. Lake City, FL 32055 in City of Lake City.

## II. Existing Features

The site currently consists of multiple buildings. The existing grades on site average to an elevation of about 175.50 NAVD 88. The site is located within the stream-to-sink basin per SRWMD requirements. Based on USGS soil maps, the soil mapping group is 3-Alpine fine sand and 20 - Chipley fine sand belonging to soil group 'A'. Additionally, a site-specific geotechnical report was completed for this site by ECS Florida, LLC. Per the geotechnical report, evidence of groundwater was encountered at each boring at depths ranging from 4.5 to 8.5 feet below the existing grade at $171-167 \mathrm{ft}$. Also, from the geotechnical report, the seasonal high was estimated to be about 4 feet below existing grade or elevation 171.50. Please reference the ECS Florida, LLC geotechnical report for further detail pertaining to the existing onsite soil conditions.

Based on a review of the existing spot elevations, stormwater appears to flow from the existing building located at the middle of the site into the existing drainage inlets and on-site ponds on the west and southeast side of the property. It does not appear the project has positive outfall.

## III. Proposed Drainage

The proposed stormwater conveyance system will collect and route stormwater from the site into the dry pond located at the southeast end of the site. The water will percolate within the dry pond under 72 hours.

The stormwater management system for the development has been designed to provide both treatment and attenuation in accordance with the municipality requirements below.

SRWMD- Attenuate to the $100 \mathrm{yr}-24 \mathrm{hr}$ using SCS type II distribution. Pond system must recover within 72 hours.

City of Lake City - Provide treatment for the first $2^{\prime \prime}$ of runoff per the stream-to-sink requirements. Ponds shall be designed in accordance with the SRWMD requirements.

## IV. Environmental / FEMA Considerations

The project is not located within any known wetlands. The entirety of the site falls within FEMA flood zone ' $X$ ' per map number 12023C0291D (11/02/2018). See FEMA map in Appendix D.

## Appendix A Aerial Map



AERIAL EXHIBIT
1518 W US 90
LAKE CITY, FL 32055

## Appendix B <br> Vicinity Map



## Appendix C

## Pre \& Post Basin Maps




## Appendix D <br> FEMA Map



## Appendix E

NRCS Soils Map

Soil Map-Columbia County, Florida


## Map Unit Legend

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
| :---: | :---: | :---: | :---: |
| 3 | Alpin fine sand, 0 to 5 percent slopes | 4.9 | 32.2\% |
| 20 | Chipley fine sand, 0 to 5 percent slopes | 10.4 | 67.8\% |
| Totals for Area of Interest |  | 15.3 | 100.0\% |

## Columbia County, Florida

## 3-Alpin fine sand, 0 to 5 percent slopes

## Map Unit Setting

National map unit symbol: 2v174
Elevation: 30 to 190 feet
Mean annual precipitation: 51 to 59 inches
Mean annual air temperature: 66 to 70 degrees F
Frost-free period: 280 to 310 days
Farmland classification: Not prime farmland

## Map Unit Composition

Alpin and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

## Description of Alpin

## Setting

Landform: Knolls on marine terraces, ridges on marine terraces
Landform position (two-dimensional): Shoulder, backslope
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Eolian deposits or sandy marine deposits

## Typical profile

A - 0 to 6 inches: fine sand
$E-6$ to 65 inches: fine sand
$B t-65$ to 80 inches: fine sand
Properties and qualities
Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High ( 2.00 to $6.00 \mathrm{in} / \mathrm{hr}$ )
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline ( 0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Very low (about 2.4 inches)

## Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4s
Hydrologic Soil Group: A

Forage suitability group: Sandy soils on ridges and dunes of xeric uplands (G138XA111FL)
Other vegetative classification: Sandy soils on ridges and dunes of xeric uplands (G138XA111FL)
Hydric soil rating: No

## Minor Components

## Blanton

Percent of map unit: 8 percent
Landform: Knolls on marine terraces, ridges on marine terraces
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Sandy soils on rises, knolls, and ridges of mesic uplands (G138XA121FL)
Hydric soil rating: No

## Chipley

Percent of map unit: 8 percent
Landform: Knolls on marine terraces, rises on marine terraces, flats on marine terraces
Landform position (two-dimensional): Shoulder, footslope
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Sandy soils on rises and knolls of mesic uplands (G138XA131FL)
Hydric soil rating: No

## Albany

Percent of map unit: 4 percent
Landform: Ridges on marine terraces
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Interfluve, talf
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Sandy soils on rises and knolls of mesic uplands (G138XA131FL)
Hydric soil rating: No

## Data Source Information

Soil Survey Area: Columbia County, Florida

Survey Area Data: Version 18, Sep 1, 2022

## Columbia County, Florida

## 20-Chipley fine sand, 0 to 5 percent slopes

## Map Unit Setting

National map unit symbol: vrsw
Elevation: 330 to 660 feet
Mean annual precipitation: 50 to 58 inches
Mean annual air temperature: 64 to 72 degrees F
Frost-free period: 258 to 288 days
Farmland classification: Not prime farmland

## Map Unit Composition

Chipley and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

## Description of Chipley

## Setting

Landform: Knolls on marine terraces, rises on marine terraces, flats on marine terraces
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Sandy marine deposits

## Typical profile

A-0 to 7 inches: fine sand
C - 7 to 80 inches: fine sand
Properties and qualities
Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High to very high ( 6.00 to $20.00 \mathrm{in} / \mathrm{hr}$ )
Depth to water table: About 24 to 36 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline ( 0.0 to 2.0
mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 3.7 inches)
Interpretive groups
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3s
Hydrologic Soil Group: A

Forage suitability group: Sandy soils on rises and knolls of mesic uplands (G138XA131FL)
Other vegetative classification: Sandy soils on rises and knolls of mesic uplands (G138XA131FL)
Hydric soil rating: No

## Minor Components

## Alpin

Percent of map unit: 3 percent
Landform: Flats on marine terraces, knolls on marine terraces, ridges on marine terraces
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Sandy soils on ridges and dunes of xeric uplands (G138XA111FL)
Hydric soil rating: No

## Blanton

Percent of map unit: 3 percent
Landform: Knolls on marine terraces, ridges on marine terraces
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Sandy soils on rises, knolls, and ridges of mesic uplands (G138XA121FL)
Hydric soil rating: No

## Albany

Percent of map unit: 3 percent
Landform: Knolls on marine terraces, ridges on marine terraces
Landform position (three-dimensional): Interfluve, talf
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Sandy soils on rises and knolls of mesic uplands (G138XA131FL)
Hydric soil rating: No

## Hurricane

Percent of map unit: 3 percent
Landform: Rises on marine terraces, flats on marine terraces
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Sandy soils on rises and knolls of mesic uplands (G138XA131FL)
Hydric soil rating: No

## Lakeland

Percent of map unit: 3 percent
Landform: Knolls on marine terraces, ridges on marine terraces Landform position (three-dimensional): Interfluve
Down-slope shape: Convex

Across-slope shape: Linear
Other vegetative classification: Sandy soils on ridges and dunes of xeric uplands (G138XA111FL)
Hydric soil rating: No

## Data Source Information

Soil Survey Area: Columbia County, Florida
Survey Area Data: Version 18, Sep 1, 2022

## Appendix F

## Stormwater Calculations

PROJECT NAME: Wawa - Lake City
PROJECT \#: FLA230039.00

## SUMMARY OF GROUND COVER DATA

COMBINED Parcels

| BASINS A \& B | Land Use Description | CN | Area (ac.) | Total <br> Area <br> (ac) | Weighted CN |
| :---: | :---: | :---: | :---: | :---: | :---: |
| PRE-DEVELOPMENT | Impervious | 98 | 2.41 | 6.48 | 61.0 |
|  | Open Space | 39 | 4.06 |  |  |
|  | Open Water | 100 | 0.00 |  |  |
| POST-DEVELOPMENT | Impervious | 98 | 3.41 | 6.48 | 70.0 |
|  | Open Space | 39 | 3.06 |  |  |
|  | Open Water | 100 | 0.00 |  |  |

Notes:
1.) See Appendix D for NRCS Soils Map
2.) CN Values based on Hydrologic Soil Group information provided within the geotechnical report
3.) CN numbers per TR-55, Urban Hydrology for Small Watersheds

Wawa Parcel

| BASIN A (PARCEL 1) | Land Use <br> Description | CN | Area <br> (ac.) | Total <br> Area <br> (ac) | Weighted <br> CN |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Impervious | 98 | 2.41 |  |  |
|  | Open Space | 39 | 4.06 | 6.48 | 61.0 |
|  | Open Water | 100 | 0.00 |  |  |
| POST-DEVELOPMENT <br> BASIN | Impervious | 98 | 2.22 |  |  |
|  | Open Space | 39 | 2.93 | 5.16 | 64.3 |
|  | Open Water | 100 | 0.00 |  |  |

Outparcel

| Basin B (PARCEL 2) | Land Use <br> Description | $\mathbf{C N}$ | Area <br> (ac.) | Total <br> Area <br> (ac) | Weighted <br> CN |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Impervious | 98 | 2.41 |  |  |
|  | Open Space | 39 | 4.06 | 6.48 | $\mathbf{6 1 . 0}$ |
|  | Open Water | 100 | 0.00 |  |  |
| POST-DEVELOPMENT | Open Space | 39 | 0.13 | 1.32 | $\mathbf{9 2 . 1}$ |
|  | Impervious[1] | 98 | 1.19 |  |  |
|  | Open Water | 100 | 0.00 |  |  |

[1] Outparcel designed to account for $90 \%$ impervious surface area.

PROJECT: Wawa - Lake City
PROJECT \#: FLA230039.00
Stage - Storage Calculations

| DRY POND |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| (ft NAVD) | Area | Area | Incremental <br> Volume <br> (sq ft) | Cumulative <br> Volume |  |
| 172.50 | 40195 | 0.923 | 0.000 | 0.000 |  |
| 173.50 | 44320 | 1.017 | 0.970 | 0.970 |  |
| 174.50 | 48605 | 1.116 | 1.067 | 2.037 |  |
| 175.50 | 53000 | 1.217 | 1.166 | 3.203 |  |
|  |  |  |  |  |  |


| WATERSHED AREA <br> CONTRIBUTING TO <br> BASIN | (ac) | 6.48 |
| :---: | :---: | :---: |
| DEPTH <br> OF <br> TREATMENT | (in) | 2.00 |
| WATER <br> QUALITY <br> VOLUME | (ac-ft) <br> (cu-ft) | 0.415 <br> 18077 |
| WATER Per SRWMD Stream-to-Sink <br> QUALITY <br> ELEVATION | (ft) | 172.93 |

## Appendix G <br> Ponds

PONDS Version 3.3.0276
Retention Pond Recovery - Refined Method Copyright 2012
Devo Seereeram, Ph.D., P.E.

## Project Data

| Project Name: | Wawa - Lake City |
| :--- | :--- |
| Simulation Description: |  |
| Project Number: | FLA230039.00 |
| Engineer: | SD |
| Supervising Engineer: | KM |
| Date: | $01-23-2024$ |

## Aquifer Data

| Base Of Aquifer Elevation, [B] (ft datum): | 160.50 |
| :--- | ---: |
| Water Table Elevation, [WT] (ft datum): | 171.50 |
| Horizontal Saturated Hydraulic Conductivity, [Kh] (ftday): | 5.50 |
| Fillable Porosity, [n] (\%): | 25.00 |
| Unsaturated Vertical Infiltration Rate, [lv] (flday): | 3.5 |

Maximum Area For Unsaturated Infiltration, [Av] ( $\mathrm{ft}^{2}$ ): 53000.0

## Geometry Data

| Equivalent Pond Length, $[\mathrm{L}](\mathrm{ft}):$ | 500.0 |
| :--- | :--- |
| Equivalent Pond Width, $[\mathrm{W}](\mathrm{ft}):$ | 106.0 |

Ground water mound is expected to intersect the pond bottom

## Stage vs Area Data

| Stage <br> (ft datum) | Area <br> $\left(\mathrm{ft}^{2}\right)$ |
| :---: | :--- |
| 172.50 | 40195.0 |
| 173.50 | 44320.0 |
| 174.50 | 48605.0 |
| 175.50 | 53000.0 |

## Discharge Structures

Discharge Structure \#1 is inactive
Discharge Structure \#2 is inactive
Discharge Structure \#3 is inactive

PONDS Version 3.3.0276

## Retention Pond Recovery - Refined Method <br> Copyright 2012 <br> Devo Seereeram, Ph.D., P.E.

## Scenario Input Data

Scenario 1 :: Suwanee River WMD 24 Hour (100-YR)

| Hydrograph Type: | Inline SCS <br> Modflow Routing: <br> Routed with infiltration |  |
| :--- | :--- | :--- |
| Repetitions: | 1 |  |
|  |  |  |
| Basin Area (acres) | 6.480 |  |
| Time Of Concentration (minutes) | 10.0 |  |
| DCIA (\%) | 0.0 |  |
| Curve Number | 70 |  |
| Design Rainfall Depth (inches) | 9.8 |  |
| Design Rainfall Duration (hours) | 24.0 |  |
| Shape Factor | UHG 256 |  |
| Rainfall Distribution | Suwanee River WMD 24 Hour |  |
|  |  |  |
| Initial ground water level (ft datum) | 171.50 (default) |  |

No times after storm specified.

Scenario 2 :: Suwanee River WMD 24 Hour (10-YR)

| Hydrograph Type: Inline SCS | Inline SCS |
| :---: | :---: |
| Modflow Routing: Routed with | Routed with infiltration |
| Repetitions: 1 |  |
| Basin Area (acres) | 6.480 |
| Time Of Concentration (minutes) | 10.0 |
| DCIA (\%) | 0.0 |
| Curve Number | 70 |
| Design Rainfall Depth (inches) | 6.7 |
| Design Rainfall Duration (hours) | 24.0 |
| Shape Factor | UHG 256 |
| Rainfall Distribution | Suwanee River WMD 24 Hour |
| Initial ground water level (ft datum) | 171.50 (default) |

No times after storm specified.

Scenario 3 :: Suwanee River WMD 24 Hour (25-YR)

| Hydrograph Type: <br> Modflow Routing: <br> Repetitions: | Inline SCS <br> Routed with infiltration <br> 1 |
| :--- | :--- |
|  |  |
| Basin Area (acres) |  |
| Time Of Concentration (minutes) | 6.480 |
| DCIA (\%) | 0.0 |
| Curve Number | 0.0 |
| Design Rainfall Depth (inches) | 70 |
| Design Rainfall Duration (hours) | 7.9 |
| Shape Factor | 24.0 |
| Rainfall Distribution | UHG 256 |
|  | Suwanee River WMD 24 Hour |
| Initial ground water level (ft datum) |  |

No times after storm specified.

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Retention Pond Recovery - Refined Method Copyright 2012
Devo Seereeram, Ph.D., P.E.
Summary of Results :: Scenario 1 :: Suwanee River WMD 24 Hour (100-YR)

|  | Time (hours) | Stage (ft datum) | Rate $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Volume $\left(\mathrm{ft}^{3}\right)$ |
| :---: | :---: | :---: | :---: | :---: |
| Stage |  |  |  |  |
| Minimum | 0.000 | 171.50 |  |  |
| Maximum | 24.289 | 174.96 |  |  |
| inflow |  |  |  |  |
| Rate - Maximum - Positive | 12.000 |  | 4.7902 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 24.978 |  |  | 143308.1 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 25.022 |  |  | 143308.1 |
| Infiltration |  |  |  |  |
| Rate - Maximum - Positive | 9.711 |  | 1.6367 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 25.022 |  |  | 32050.6 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 25.022 |  |  | 32050.6 |
| Combined Discharge |  |  |  |  |
| Rate - Maximum - Positive | None |  | None |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | None |  |  | None |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 25.022 |  |  | 0.0 |
| Discharge Structure 1 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 2 - inactive disabled |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 3 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Pollution Abatement: |  |  |  |  |
| 36 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |
| 72 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |

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Retention Pond Recovery - Refined Method Copyright 2012
Devo Seereeram, Ph.D., P.E.
Summary of Results :: Scenario 2 :: Suwanee River WMD 24 Hour (10-YR)

|  | Time (hours) | Stage (ft datum) | $\begin{aligned} & \text { Rate } \\ & \left(\mathrm{ft}^{3} / \mathrm{s}\right) \end{aligned}$ | Volume (ft ${ }^{3}$ ) |
| :---: | :---: | :---: | :---: | :---: |
| Stage |  |  |  |  |
| Minimum | 0.000 | 171.50 |  |  |
| Maximum | 24.267 | 173.75 |  |  |
| Inflow |  |  |  |  |
| Rate - Maximum - Positive | 12.000 |  | 2.6909 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 24.978 |  |  | 79882.9 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 25.022 |  |  | 79882.9 |
| Infiltration |  |  |  |  |
| Rate - Maximum - Positive | 11.622 |  | 1.6358 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 25.022 |  |  | 26666.7 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 25.022 |  |  | 26666.7 |
| Combined Discharge |  |  |  |  |
| Rate - Maximum - Positive | None |  | None |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | None |  |  | None |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 25.022 |  |  | 0.0 |
| Discharge Structure 1 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 2 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 3 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Pollution Abatement: |  |  |  |  |
| 36 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |
| 72 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |



PONDS Version 3.3.0276

## Retention Pond Recovery - Refined Method Copyright 2012 <br> Devo Seereeram, Ph.D., P.E.

Summary of Results :: Scenario 3 :: Suwanee River WMD 24 Hour (25-YR)

|  | Time (hours) | Stage (ft datum) | Rate $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Volume $\left(\mathrm{ft}^{3}\right)$ |
| :---: | :---: | :---: | :---: | :---: |
| Stage |  |  |  |  |
| Minimum | 0.000 | 171.50 |  |  |
| Maximum | 24.267 | 174.22 |  |  |
| Inflow |  |  |  |  |
| Rate - Maximum - Positive | 12.000 |  | 3.4867 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 24.978 |  |  | 103629.4 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 25.022 |  |  | 103629.4 |
| Infiltration |  |  |  |  |
| Rate - Maximum - Positive | 10.778 |  | 1.8208 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 25.022 |  |  | 28713.5 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 25.022 |  |  | 28713.5 |
| Combined Discharge None |  |  |  |  |
| Rate - Maximum - Positive | None |  | None |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | None |  |  | None |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 25.022 |  |  | 0.0 |
| Discharge Structure 1 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 2 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 3 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Pollution Abatement: |  |  |  |  |
| 36 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |
| 72 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |



## City of Lake City <br> Water flow report



REMARKS:


# DATA ANALYSIS AND CONCURRENCY REPORT 

Application for Site \&<br>Development Plan Approval

Prepared for:


Brandon M. Stubbs, Senior Planner North Florida Professional Services, Inc.

## General Project Information

SUBJECT:

APPLICANT/AGENT:

PROPERTY OWNER(S):

LOCATION:

A request for a Site \& Development Plan Approval for a $+/-5,915$ square foot Automotive Self-Service Station use, as permitted in Section 4.13.2 of the Land Development Regulations, along with parking, stormwater management system, landscaping, and other amenities on 6.48-acre subject property.

Brandon M. Stubbs, Senior Planner for North Florida Professional Services, Inc.

WPG-LAKE CITY, LLC.

North of SW Midtown Place; South of U.S. Highway 90, Buddy's Home Furnishings, ABC Fine Wine \& Spirits, and NW Ridgewood Ave; East of Cedar River Seafood, SW Sister's Welcome Road, and Campus USA Credit Union; and West of Fueled Outdoors, Easy Street Auta, and Chevron Station; Columbia County, Florida.

PARCEL ID NUMBER(S): $\quad 06185-000$ and 06233-000

ACREAGE: $\pm 6.48$-Acres

ZONING

FLUM City of Lake City Commercial \& Columbia County Commercial
City of Lake City Commercial, Intensive ("Cl") \& Columbia County Commercial, Intensive ("CI")

LAKE CITY, FL 32056

## SUMMARY

The proposal is to construct a $\pm 5,915$ square foot building for an Automotive Self-Service Station use within a Commercial, Intensive ("CI") Zone District on a $\pm 6.48$ acres subject property with associated parking, landscaping, stormwater management, and other amenities. The subject property was utilized for the sale of new and used automobiles but remained vacant for several months.

## FUTURE LAND USE MAP DESIGNATION of Subject Property

The City of Lake City Commercial FLUM Designation is described as follows in Policy I.1.2 of the Future Land Use Element of the Comprehensive Plan:
"Lands classified as commercial use consist of areas used for the sale, rental, and distribution of products or performance of services, as well as public, charter and private elementary, middle and high schools. In addition, off-site signs, churches and other houses of worship, private clubs and lodges, residential dwelling units, which existed within this category on the date of adoption of this objective, and other similar uses compatible with commercial uses may be approved as special exceptions and be subject to an intensity of less than or equal to 0.25 floor area ratio except within the (CG) Commercial, General, (CI) Commercial, Intensive, (C-CBD) Commercial-Central Business District and (CHI) Commercial, Highway Interchange districts being subject to an intensity of less than or equal to 1.0 floor area ratio.
(CN) Commercial, Neighborhood uses shall be limited to an intensity of less than or equal to 0.25 floor area ratio. (CG) Commercial, General, (CI) Commercial, Intensive, (C-CBD) Commercial-Central Business District and (CHI) Commercial, Highway Interchange districts shall be limited to an intensity of less than or equal to 1.0 floor area ratio."

## OFFICIAL ZONING ATLAS DESIGNATION of Subject Property

The City of Lake City Commercial, Intensive ("CI") Designation is described as follows in Section 4.13.1 of the Land Development Regulations:
"The "CI" Commercial, Intensive category includes one (1) zone district: CI. This district is intended for intensive, highly automotive-oriented uses that require a conspicuous and accessible location convenient to streets carrying large volumes of traffic. Such activities generally require large land areas, do not cater directly in appreciable degree to pedestrians, and require ample offstreet parking and offstreet loading space. This district permits certain uses not of a neighborhood or general commercial type and serves the entire City."

LAKE CITY, FL 32056

## SURROUNDING USES

The existing uses, Future Land Use Map ("FLUM") Designations, and zone districts of the surrounding area are identified in Table 1. Map 1 provides an overview of the vicinity of the subject property.
Table 1. Surrounding Land Uses

| Direction | Existing Use(s) |  | FLUM |
| :---: | :---: | :---: | :---: |
| Nesignation(s) | Zoning District(s) |  |  |
| North | U.S. Highway 90/Buddy's <br> Home Furnishings/ABC Fine <br> Wine \& Spirits/NW <br> Ridgewood Ave | Commercial | Commercial, Intensive ("CI') |
| South | SW Waterford <br> Court/Hydroponic Garden <br> Center/Vacant Commercial <br> Lands | Columbia County <br> Commercial | Columbia County Commercial, <br> Intensive ("CI") |
| East | Fueled Outdoors/ <br> Chevron/Frorida Highway <br> Patrol Station | Commercial/ Columbia <br> County Commercial | Commercial, Intensive ("Cl')/ <br> Columbia County Commercial, <br> Intensive ("CI") |
| West | Cedar River Seafood/SW <br> Sisters Welcome <br> Road/Campus USA Credit <br> Union | Commercial/Columbia <br> County Commercial | Commercial, Intensive ("Cl")/ <br> Columbia County Commercial, <br> Intensive ("Cl") |

## Map 1. Vicinity Map



## CONSISTENCY WITH THE COMPREHENSIVE PLAN

Below is a chart of the existing FLUM Designation and the corresponding Official Zoning Atlas designation consistent with said proposed FLUM Designation.
Table 2. Zoning Consistency with Underlying Future Land Use Map Designation

| Flum Designation | Official Zoning Atlas Designation | Consistent |
| :---: | :---: | :---: |
| Commercial | Commercial, Intensive ("CI") | $\checkmark$ |

The following Comprehensive Plan Elements have Goals, Objectives, and Policies (GOPs) that support the proposed Future Land Use Map Amendment to the Comprehensive Plan:

- Future Land Use Element
- Transportation Element
- Sanitary Sewer, Solid Waste, Drainage, Potable Water, \& Natural Groundwater Aquifer Recharge Element
- Capital Improvements Element

An analysis of Section 15.2.2 of the Land Development Regulations along with a Comprehensive Plan Consistency Analysis have been submitted as an accessory document to this report. According to the analysis, this application is consistent with the Comprehensive Plan and the Goals, Objectives, and Policies (GOPs) therein.

Map 2. FLUM Map


LAKE CITY, FL 32056

Map 3. Official Zoning Atlas Map


## ENVIRONMENTAL CONDITIONS ANALYSIS

## Wetlands

According to Illustration A-VI of the Comprehensive Plan, entitled Wetlands, which is based upon the National Wetlands Inventory, dated 1987, and the National Wetlands Reconnaissance Survey, dated 1981, there are no wetlands located on the subject property.

Evaluation: Given there are no known wetlands located onsite, there are no issues related to wetland protection.

## Map 6. NWI Wetlands Map



## Soil Survey

Each soil type found on the subject property is identified below. The hydrologic soil group is an indicator of potential soil limitations. The hydrologic soil group, as defined for each specific soil, refers to a group of soils which have been categorized according to their runoff-producing characteristics. These hydrologic groups are defined by the Soil Survey of Columbia County, Florida, dated 2002. The chief consideration with respect to runoff potential is the capacity of each soil to permit infiltration (the slope and kind of plant cover are not considered but are separate factors in predicting runoff). There are four hydrologic groups: A, B, C, and D. "Group A" soils have a higher infiltration rate when thoroughly wet and therefore have a lower runoff potential. "Group D" soils have very lower infiltration rates and therefore a higher runoff potential.
There is one soil types found on the subject property:

1) Leon Fine Sand soils are poorly drained, nearly level soils in broad flatwoods and in areas adjacent to wet depressions and drainage ways in the uplands. The surface and subsurface layers are comprised of fine sand to a depth of 19 inches. The subsoil layer is comprised of fine sand to a depth of 80 inches or more. Leon fine sand soils have severe limitations for building site development and for septic tank absorption fields.
Evaluation: The soil type found on the subject property is Leon Fine Sand Soils ( 0 to 5 percent slopes). Leon Fine Sand Soils type pose severe limitations for building development and severe limitations for septic tank absorption field. The proposed development has provided a stormwater management
system that complies with the Suwannee River Water Management District regulations. Further, the proposed development shall connect to the Community Potable and Sanitary Sewer Water Systems. Given the preceding information, there are no issues related to soil suitability

Map 7. Soils Map


## Flood Potential

Panel 0291D and 0292D of the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Series, dated November 2, 2018, indicates that the subject property is in Flood Zone Flood Zone "X" (areas determined to be outside of the 500-year floodplain).

Evaluation: Given the subject property is not located within a FEMA Designated Flood Zone, there is no concern of flooding on the subject property.

Map 8. FEMA FIRM Map


## Stream to Sink

According to the Stream to Sink Watersheds, prepared by the Suwannee River Water Management District, the subject property is not located within a stream to sink area.

Evaluation: Section 4.2 .38 of the County's LDRs regulates Stream to Sink watershed areas. At this time, there is no concern related to Stream to Sink Watersheds.

## Minerals

According to Illustration A-VII of the Comprehensive Plan, entitled Minerals, which is based upon Natural Resources, prepared by the Florida Department of Environmental Protection, 2012, the subject property is within an area known to contain any minerals.

Evaluation: There are no issues related to minerals.

LAKE CITY, FL 32056

## Historic Resources

According to Illustration A-II of the Comprehensive Plan, entitled Historic Resources, which is based upon the Florida Division of Historical Resources, Master Site File, dated 1998, there are no known historic resources located on the subject property.

Evaluation: There are no issues related to historic Resources.

## Aquifer Vulnerability

According to the Prime Natural Groundwater Aquifer Recharge Areas Map 2019, prepared by the Suwannee River Water Management District, dated 2000, the subject property is not located in a high Groundwater Aquifer Recharge area.

Evaluation: Given the subject property is not located in a High Groundwater Aquifer Recharge Area, there is no issue related to aquifer vulnerability at this time.

## Vegetative Communities/Wildlife

The subject property is located within an area not known as a vegetative community.
Evaluation: There are no known wildlife habitats associated with a non-vegetative community. Further, the subject property is an existing developed site; therefore, there is no issue related to vegetative communities or wildlife.

## PUBLIC FACILITIES IMPACT

Traffic Impact
Table 3. Affected Comprehensive Plan Roadway Segments ${ }^{1}$

| Segment <br> Number ${ }^{2}$ | Segment Description | Lanes | Functional Classification | Area Type | LOS |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 6 | U.S. 90 (from S.R. 247 to Baya Ave) | 6-D | Arterial I | Transition | D |

Table 4. Existing Trip Generation ${ }^{1}$

| Land Use | AADT ${ }^{2}$ | PM Peak Hour ${ }^{3}$ |
| :---: | :---: | :---: |
| Automobile Sales (Used) ${ }^{1}$ <br> (ITE Code 841) | 482 | 88 |
| Total | 482 | 88 |
| 1 Source: ITE Thip Ciencration, 10th Edition. <br> 2 Formula: AADT-ITE, 1 (ch Edition - 27.06 trips per thousand SQ FT x 17,798 SQ FT $=482$ AADT <br> 3 Formulas: $P_{M}$ Peak-ITE, 10 m Edition -4.92 trips per $S Q+7 \times 17.798$ SQ FT' $=88$ PM Peak Trips |  |  |

Table 5. Proposed Trip Generation ${ }^{1}$

| Land Use | $A^{\text {ADP }}{ }^{2}$ | PM Peak Hour ${ }^{3}$ |
| :---: | :---: | :---: |
| Convenience Market with Gasoline Pumps ${ }^{1}$ (ITE Code B53) | 3,692 | 293 |
| Total | 3,692 | 293 |

4 Source: ITE Trip Generation, 10th Edition.
5 Formula: AADT - $1 T^{\prime} E$, $10^{\text {h }}$ Edition - 624.20 trips per thousand SQ FT'x $5.915 \$ Q+7=3,692$ AADT
6 Formulas: PM Peak - ITE, 10 m Edition -49.59 trips per SQFT x 5,915 SQ FT $=293$ PM Peak Trips
Table 6. Net Increase in Trip Generation ${ }^{1}$

| Land Use | AADT² $^{2}$ | PM Peak Hour³ |
| :---: | :---: | :---: |
| Convenience Market <br> with Gasoline Pumps <br> (1TE Code B53) | 3,692 | 293 |
| Automobile Sales (Used) <br> (ITE Code B41) | 482 | 88 |
| Total | 3,210 | 205 |

Table 7. Projected Impact on Affected Comprehensive Plan Roadway Segments

| Traffic System Category | US 90 Segment $\# 61$ |
| :---: | :---: |
| Maximum Service Volume ${ }^{2}$ | 56,800 |
| Existing Traffic ${ }^{3}$ | 31,500 |
| Reserved Trips ${ }^{4}$ | 0 |
| Available Capacity | 25,300 |
| Projected Daily Trips | 3,210 |
| Residual Capacity | 22,090 |
| PM Peak Hour Traffic Amalysis | US 90 Segment ${ }^{\text {² }} 61$ |
| Maximum Service Volume ${ }^{2}$ | 5,110 |
| Existing Traffic ${ }^{3}$ | 2,993 |
| Reserved Trips ${ }^{4}$ | 0 |
| Available Capacity | 2,117 |
| Projected PM Peak Hour Trips | 205 |
| Residual Capacity | 1,912 |
| 1 FDOT roadway segment number shown in parenthesis (when applicable.) For the purposes of concurrency management, City of Trenton Comprehensive Plan segments that make up a portion of a larger FDOT roadway segment will be evaluated together when determining post development roadwaycapacity. <br> 2 Source: FDOT 2023 Multimodal Quality/level of Service Handhook, Generalized Annual Average Daily Volumes and Generalized Peak Hour 7wo-Way Volumes for Urbanized Areas. <br> 3 Florida Department of Transportation, District II, Annual Average Daily Traffic Report. |  |

Evaluation: The impacts generated by the development will not adversely affect the Level of Service (LOS) of the roadway segment identified above; therefore, the demand generated by the development is acceptable.

## Potable Water Impacts

The subject property is located within a community potable water system service area. The subject property will be served potable water via City of Lake City Potable Water System. The City of Lake City Potable Water System is anticipated to meet or exceed the adopted level of service standard for potable water established within the Comprehensive Plan. Note: Calculations are based upon Chapter 62-6.008,F.S.

The proposed use is a $\pm 5,915 \mathrm{sq} \mathrm{ft}$ Automobile Self-Service Station use. A proposed Automobile SelfService Station creates 325 GPD per day per water closet. The proposed Automobile Self-Service Station proposes 6 water closets. Therefore, the proposed use will generate 1,950 GPD. 6 WC $\times 325$ GPD $=1,950$ GPD Total

Evaluation: The impacts generated by the development will not adversely affect the Level of Service (LOS) for potable water facilities; therefore, the demand generated by the development is acceptable.

## Sanitary Sewer Impacts

The subject property is located within a community centralized sanitary sewer system service area. The subject property will be served sanitary sewer via City of Lake City Sanitary Sewer System. The City of Lake City Sanitary Sewer System is anticipated to meet or exceed the adopted level of service standard for sanitary sewer established within the Comprehensive Plan. Note: Calculations are based upon Chapter 62-6.008,F.S.

The proposed use is a $\pm 5,915 \mathrm{sq} \mathrm{ft}$ Automobile Self-Service Station use. A proposed Automobile SelfService Station creates 325 GPD per day per water closet. The proposed Automobile Self-Service Station proposes 6 water closets. Therefore, the proposed use will generate 1,950 GPD. 6 WC x 325 GPD $=1,950$ GPD Total

Evaluation: The impacts generated by the development will not adversely affect the Level of Service (LOS) for sanitary sewer facilities; therefore, the demand generated by the development is acceptable.

## Solid Waste Impacts

Solid waste facilities for uses to be located on the site are provided at the sanitary landfill. The level of service standard established within the Comprehensive Plan for the provision of solid waste disposal is currently being met or exceeded.

The proposed use is a $\pm 5,915 \mathrm{sq} \mathrm{ft}$ Automobile Self-Service Station use. A proposed Automobile SelfService Station on average generates approximately 2.5 lbs of solid waste per 100 square feet per day. $(1$ LBS $\times 59.15 \mathrm{SQ}$ FT $)=148$ pounds of solid waste per day.

Evaluation: The impacts generated by the development will not adversely affect the Level of Service (LOS) of solid waste facilities; therefore, the demand generated by the development is acceptable.

## Recreation Facilities

The proposed development is commercial in nature; therefore, there is no impact on recreation facilities. The development will have no negative impact on the Level of Service (LOS) of recreation facilities.

NFPS

## Public SchoolFacilities

The proposed development is commercial in nature; therefore, there is no impact on public school facilities. The development will have no negative impact on the Level of Service (LOS) of public school facilities.

## Comprehensive Plan Analysis

Comprehensive Plan Compliance Narrative: The subject property is surrounded by urban uses, including commercial uses and land use to the north, south, east, and west. The Commercial, Intensive ("Cl") Zoning Designation is consistent with the underlying Future Land Use Map Designation. Further, both the Commercial FLUM Designation and CI Zoning Designation permit Automotive Self-Service Stations as a by-right use.

## Below is a list of Goals, Objectives, and Policies the proposed development is consistent with:

OBJECTIVE I. 1 The City Concurrency Management System shall make available or schedule for availability the public facilities for future growth and urban development as development occurs in order to provide for urban densities and intensities within the City.
Policy I.1.1 The location of higher density residential, high intensity commercial and heavy industrial uses shall be directed to areas adjacent to arterial or collector roads, identified on the Future Traffic Circulation Map, where public facilities are available to support such higher density or intensity.
Policy I.1.2 The land development regulations of the City shall be based on and be consistent with the following land use classifications and corresponding standards for densities and intensities and shall establish the following floor area ratio(s) to be applied to each classification of land use:

## COMMERCIAL

Lands classified as commercial use consist of areas used for the sale, rental, and distribution of products or performance of services, as well as public, charter and private elementary, middle and high schools. In addition, off-site signs, churches and other houses of worship, private clubs and lodges, residential dwelling units, which existed within this category on the date of adoption of this objective, and other similar uses compatible with commercial uses may be approved as special exceptions and be subject to an intensity of less than or equal to 0.25 floor area ratio except within the (CG) Commercial, General, (CI) Commercial, Intensive, (C-CBD) Commercial-Central Business District and (CHI) Commercial, Highway Interchange districts being subject to an intensity of less than or equal to 1.0 floor area ratio. (CN) Commercial, Neighborhood uses shall be limited to an intensity of less than or equal to 0.25 floor area ratio. (CG) Commercial, General, (CI) Commercial, Intensive, (C-CBD) CommercialCentral Business District and (CHI) Commercial, Highway Interchange districts shall be limited to an intensity of less than or equal to 1.0 floor area ratio.

Policy I.1.3 The City shall continue to allocate amounts and types of land uses for residential, commercial, industrial, public, and recreation to meet the needs of the existing and projected future populations and to locate urban
land uses in a manner where public facilities may be provided to serve such urban land uses. (Urban land uses shall be herein defined as residential, commercial and industrial land use categories).
Policy I.1.3 The City shall continue to allocate amounts and types of land uses for residential, commercial, industrial, public, and recreation to meet the needs of the existing and projected future populations and to locate urban land uses in a manner where public facilities may be provided to serve such urban land uses. (Urban land uses shall be herein defined as residential, commercial and industrial land use categories).
Policy I.1.4 The City shall continue to limit the designation of residential, commercial and industrial lands depicted on the Future Land Use Plan map to acreage which can be reasonably expected to develop by the year 2025.

OBJECTIVE I. 3 The City shall require that all proposed development be approved only where the public facilities meet or exceed the adopted level of service standard.

Policy I.3.1 The City shall limit the issuance of development orders and permits to areas where the adopted level of service standards for the provision of public facilities found within the Comprehensive Plan are maintained. This provision also includes areas where development orders were issued prior to the adoption of the Comprehensive Plan.
Policy II.1.2. The City shall control the number and frequency of connections and access points of driveways and roads to arterials and collectors by requiring access points for state roads to be in conformance with Chapter 14-96 and 14-97, Florida Administrative Code, and the following requirements for non-state roads: 1 . Permitting 1 access point for ingress and egress purposes to a single property or development; 2. Permitting 2 access points if the minimum distance between the two access points exceeds 20 feet; 3 . Permitting 3 access points if the minimum distance between each access point is at least 100 feet; or 4 . Permitting more than 3 access points where a minimum distance of 1,000 feet is maintained between each access point.
Policy II.1.3. The City shall continue to require development to provide safe and convenient on-site traffic flow, which includes the provision for vehicle parking.
OBJECTIVE II. 2 The City shall require that all traffic circulation system improvements be consistent with the land uses shown on the future land use plan map, limiting higher density and higher intensity land use locations to be adjacent to collector or arterial roads, as identified on the Future Traffic Circulation Map.
Policy II.4.7 The City shall encourage cross-access connections easements and joint driveways, where available and economically feasible.

## PARCEL TAX NUMBERS

31-3S-17-06233-000 (26332)
31-3S-17-06185-000 (26291)

## LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF COLUMBIA, STATE OF FLORIDA, AND IS DESCRIBED AS FOLLOWS:

PARCEL 1
COMMENCE AT THE SOUTHWEST CORNER OF THE EAST $1 / 2$ OF THE NORTHWEST $1 / 4$ OF THE SOUTHWEST $1 / 4$ OF SECTION 31, TOWNSHIP 3 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN N $00^{\circ} 13^{\prime} 36^{\prime \prime} \mathrm{W}$, ALONG THE WEST LINE OF SAID EAST $1 / 2$ OF THE NORTHWEST $1 / 4$ OF THE SOUTHWEST $1 / 4$ A DISTANCE OF 30.00 FEET TO THE NORTHERLY RIGHT-OF-WAY LINE OF A COUNTY GRADED ROAD AND THE POINT OF BEGINNING; THENCE CONTINUE N $00^{\circ} 13^{\prime} 36^{\prime \prime} \mathrm{W}$, STILL ALONG THE WEST LINE OF THE EAST $1 / 2$ OF THE NORTHWEST $1 / 4$ OF THE SOUTHWEST $1 / 4$ A DISTANCE OF 238.42 FEET TO A POINT ON THE SOUTHEASTERLY RIGHT-OF-WAY LINE OF US HIGHWAY NO. 90, SAID POINT BEING ON THE ARC OF A CURVE CONCAVE TO THE NORTHWEST HAVING A RADIUS OF 4,633.66 FEET AND A CENTRAL ANGLE OF $04^{\circ} 24^{\prime} 15^{\prime \prime}$, SAID CURVE ALSO HAVING A CHORD DISTANCE OF 356.10 FEET; THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE, BEING ALSO SAID SOUTHEASTERLY RIGHT-OF-WAY LINE OF US HIGHWAY NO. 90 A DISTANCE OF 356.18 FEET TO THE POINT OF TANGENCY OF SAID CURVE; THENCE N $47^{\circ} 50^{\prime} 15^{\prime \prime}$ E, STILL ALONG SAID SOUTHEASTERLY RIGHTOF WAY LINE 11.57 FEET; THENCE $S 52^{\circ} 17^{\prime} 44^{\prime \prime} \mathrm{E}, 713.76$ FEET TO A POINT ON THE NORTHERLY RIGHT-OF-WAY LINE OF A COUNTY GRADED ROAD; THENCE S $87^{\circ} 23^{\prime} 33^{\prime \prime}$ W, ALONG SAID NORTHERLY RIGHT-OF-WAY LINE 846.06 FEET TO THE POINT OF BEGINNING.

LESS AND EXCEPT THAT PORTION CONVEYED IN O.R. BOOK 988, PAGE 387 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

PARCEL 2
LOTS 14, 15, 16, AND 17, MIDTOWN COMMERCIAL CENTER, A SUBDIVISION ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 6, PAGES 200 AND 201, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

PARCEL 3
LOT 14, RIDGEWOOD MANOR, A SUBDIVISION ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 2, PAGE 105, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

## PARCEL 4

COMMENCE AT THE NORTHEAST CORNER OF THE W $1 / 2$ OF THE SW $1 / 4$ OF THE SW $1 / 4$, SECTION 31, TOWNSHIP 3 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN SOUTH $87^{\circ} 23^{\prime} 33^{\prime \prime}$ WEST ALONG THE NORTH LINE OF THE SW $1 / 4$ OF THE SW $1 / 4,18$ FEET TO

THE NORTHEAST CORNER OF LOT 14 OF RIDGEWOOD MANOR, A SUBDIVISION ACCORDING TO A PLAT RECORDED IN PLAT BOOK 2, PAGE 105, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA; THENCE RUN SOUTH ALONG THE EAST LINE OF SAID LOT 14, 123.48 FEET TO THE SOUTHEAST CORNER OF SAID LOT; THENCE RUN NORTH $87^{\circ} 23^{\prime} 33^{\prime \prime}$ WEST, 18 FEET TO THE EAST LINE OF THE W $1 / 2$ OF THE SW $1 / 4$ OF THE SW $1 / 4$; THENCE RUN NORTH ALONG THE EAST LINE OF SAID W $1 / 2$ OF THE SW $1 / 4$ OF THE SW $1 / 4,123.48$ FEET TO THE NORTHEAST CORNER OF THE W $1 / 2$ OF THE SW $1 / 4$ OF THE SW $1 / 4$ AND THE POINT OF BEGINNING.

## PARCEL 5

TOGETHER WITH THAT PORTION OF VACATED WILLIAMS LANE LYING NORTH OF LOTS 15, 16 AND 17, MIDTOWN COMMERCIAL CENTER ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 6, PAGES 200 AND 201, AS VACATED BY RESOLUTION NO. 98R-26, RECORDED IN OFFICIAL RECORDS BOOK 864, PAGE 1410, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

ALSO TOGETHER WITH THE NORTH $1 / 2$ OF VACATED WILLIAMS LANE LYING EAST OF MIDTOWN COMMERCIAL CENTER ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 6, PAGES 200 AND 201, ABUTTING PARCEL 1 ABOVE ON THE SOUTH, AS VACATED BY RESOLUTION NO. 98R-26, RECORDED IN OFFICIAL RECORDS BOOK 864, PAGE 1410, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

ALL OF THE ABOVE ALSO DESCRIBED AS:
BEGIN AT THE SOUTHWEST CORNER OF THE EAST $1 / 2$ OF THE NORTHWEST $1 / 4$ OF THE SOUTHWEST $1 / 4$ OF SECTION 31, TOWNSHIP 3 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA; THENCE RUN NORTH $00^{\circ} 12^{\prime} 45^{\prime \prime}$ WEST, ALONG THE WEST LINE OF SAID EAST $1 / 2$ OF THE NORTHWEST $1 / 4$ OF THE SOUTHWEST $1 / 4$ A DISTANCE OF 29.77 FEET TO THE NORTHERLY RIGHT-OF-WAY LINE OF A COUNTY GRADED ROAD; THENCE CONTINUE NORTH $00^{\circ} 13^{\prime} 36^{\prime \prime}$ WEST, ALONG SAID WEST LINE OF THE EAST $1 / 2$ OF THE NORTHWEST $1 / 4$ OF THE SOUTHWEST $1 / 4$ A DISTANCE OF 238.63 FEET TO A POINT ON THE SOUTHEASTERLY RIGHT-OF-WAY LINE OF US HIGHWAY NO. 90, THENCE ALONG THE SOUTHEASTERLY RIGHT-OF-WAY LINE OF SAID U.S. HIGHWAY NO. 90 THE FOLLOWING FOURTEEN (14) COURSES AND DISTANCES: 1) 21.65 FEET ALONG THE ARC OF A CURVE CONCAVE TO THE NORTHWEST HAVING A RADIUS OF 4,633.66 FEET AND A CENTRAL ANGLE OF $00^{\circ} 16^{\prime} 03^{\prime \prime}$, AND A CHORD BEARING AND DISTANCE OF NORTH $52^{\circ} 05^{\prime} 04^{\prime \prime}$ EAST, 21.65 FEET; 2) SOUTH $38^{\circ} 02^{\prime} 58^{\prime \prime}$ EAST, A DISTANCE OF 3.00 FEET; 3) NORTH $51^{\circ} 55^{\prime} 23^{\prime \prime}$ EAST, A DISTANCE OF 4.44 FEET; 4) NORTH $38^{\circ} 06^{\prime} 38^{\prime \prime}$ WEST, A DISTANCE OF 3.00 FEET; 5) 46.63 FEET ALONG THE ARC OF A CURVE CONCAVE TO THE NORTHWEST HAVING A RADIUS OF $4,633.66$ FEET AND A CENTRAL ANGLE OF $00^{\circ} 34^{\prime} 36^{\prime \prime}$, AND A CHORD BEARING AND DISTANCE OF NORTH $51^{\circ} 36^{\prime} 27^{\prime \prime}$ EAST, 46.63 FEET; 6) SOUTH $38^{\circ} 40^{\prime} 51^{\prime \prime}$ EAST, A DISTANCE OF 8.00 FEET; 7) NORTH $51^{\circ} 13^{\prime} 35^{\prime \prime}$ EAST, A DISTANCE OF 15.02 FEET; 8) NORTH $38^{\circ} 51^{\prime} 58^{\prime \prime}$ WEST, A DISTANCE OF 8.00 FEET; 9) 43.69 FEET ALONG THE ARC OF A CURVE CONCAVE TO THE NORTHWEST HAVING A RADIUS OF 4,633.66 FEET AND A CENTRAL ANGLE OF $00^{\circ} 32^{\prime} 25^{\prime \prime}$, AND A CHORD BEARING AND DISTANCE OF NORTH $50^{\circ} 51^{\prime} 49^{\prime \prime}$ EAST, 43.69 FEET; 10) SOUTH $39^{\circ} 28^{\prime} 51^{\prime \prime}$ EAST, A DISTANCE OF 6.00 FEET; 11) NORTH $50^{\circ} 33^{\prime} 23^{\prime \prime}$ EAST, A DISTANCE OF 6.01 FEET; 12) NORTH $39^{\circ} 28^{\prime} 51^{\prime \prime}$ WEST, A DISTANCE OF 6.00 FEET; 13) 219.50 FEET ALONG THE ARC OF A

CURVE CONCAVE TO THE NORTHWEST HAVING A RADIUS OF 4,633.66 FEET AND A CENTRAL ANGLE OF $02^{\circ} 42^{\prime} 51^{\prime \prime}$, AND A CHORD BEARING AND DISTANCE OF NORTH $49^{\circ} 09^{\prime} 44^{\prime \prime}$ EAST, 219.48 FEET; 14) NORTH $48^{\circ} 23^{\prime} 22^{\prime \prime}$ EAST, A DISTANCE OF 11.57 FEET; THENCE LEAVING SAID SOUTHEASTERLY RIGHT-OF-WAY LINE, SOUTH $52^{\circ} 14^{\prime} 22^{\prime \prime}$ EAST, A DISTANCE OF 713.51 FEET TO THE NORTHERLY RIGHT-OF-WAY LINE OF A COUNTY GRADED ROAD; THENCE SOUTH 02º $37^{\prime} 16^{\prime \prime}$ EAST; A DISTANCE OF 15.00 FEET; THENCE SOUTH $87^{\circ} 25^{\prime} 58^{\prime \prime}$ WEST, A DISTANCE OF 381.66 FEET; THENCE SOUTH $00^{\circ} 55^{\prime} 33^{\prime \prime}$ WEST, A DISTANCE OF 14.67 FEET TO THE NORTHEAST CORNER OF LOT 17, MIDTOWN COMMERCIAL CENTER AS RECORDED IN PLAT BOOK 6, PAGES 200 AND 201; THENCE SOUTH $00^{\circ} 55^{\prime} 33^{\prime \prime}$ WEST ALONG THE EAST BOUNDARY LINE OF SAID LOT 17, A DISTANCE OF 84.50 FEET TO THE SOUTHEAST CORNER OF SAID LOT 17; THENCE SOUTH $56^{\circ} 23^{\prime} 45^{\prime \prime}$ WEST ALONG THE SOUTHEASTERLY BOUNDARY LINE OF SAID LOT 17, A DISTANCE OF 221.30 FEET TO A POINT OF CURVATURE AND A POINT ON THE RIGHT-OF-WAY LINE OF SW WATERFORD COURT (R/W VARIES), MIDTOWN COMMERCIAL CENTER AS RECORDED IN PLAT BOOK 6, PAGES 200 AND 201; THENCE ALONG SAID RIGHT-OF-WAY LINE THE FOLLOWING FOUR (4) COURSES AND DISTANCES: 1) 125.90 FEET ALONG THE ARC OF A CURVE CONCAVE TO THE SOUTHWEST HAVING A RADIUS OF 57.00 FEET AND A CENTRAL ANGLE OF $126^{\circ} 33^{\prime} 01^{\prime \prime}$, AND A CHORD BEARING AND DISTANCE OF NORTH $68^{\circ} 38^{\prime} 40^{\prime \prime}$ WEST, 101.82 FEET; 2) 97.61 FEET ALONG THE ARC OF A CURVE CONCAVE TO THE EAST HAVING A RADIUS OF 57.00 FEET AND A CENTRAL ANGLE OF 9807'11', AND A CHORD BEARING AND DISTANCE OF SOUTH 01²4'18" EAST, 86.11 FEET TO A POINT OF REVERSE CURVATURE; 3) 33.40 FEET ALONG THE ARC OF A CURVE CONCAVE TO THE SOUTHWEST HAVING A RADIUS OF 40.00 FEET AND A CENTRAL ANGLE OF $47^{\circ} 50^{\prime} 09^{\prime \prime}$, AND A CHORD BEARING AND DISTANCE OF SOUTH $26^{\circ} 35^{\prime} 28^{\prime \prime}$ EAST, 32.43 FEET TO A POINT OF TANGENCY; 4) SOUTH $02^{\circ} 44^{\prime} 10^{\prime \prime}$ EAST, A DISTANCE OF 18.97 FEET TO THE SOUTHEAST CORNER OF LOT 14, MIDTOWN COMMERCIAL CENTER AS RECORDED IN PLAT BOOK 6, PAGES 200 AND 201; THENCE LEAVING SAID RIGHT-OF-WAY LINE OF SW WATERFORD COURT ALONG THE SOUTH BOUNDARY LINE OF SAID LOT 14 , SOUTH $89^{\circ} 04^{\prime} 05^{\prime \prime}$ WEST, A DISTANCE OF 201.39 FEET TO THE SOUTHWEST CORNER OF SAID LOT 14; THENCE NORTH $00^{\circ} 09^{\prime} 34^{\prime \prime}$ WEST ALONG THE WEST BOUNDARY LINE OF SAID LOT 14, A DISTANCE OF 163.10 FEET TO THE NORTHWEST CORNER OF SAID LOT 14; THENCE SOUTH $89^{\circ} 06^{\prime} 43^{\prime \prime}$ WEST, A DISTANCE OF 312.23 FEET TO THE EAST RIGHT-OF-WAY LINE OF SW SISTERS WELCOME ROAD; THENCE NORTH $01^{\circ} 46^{\prime} 36^{\prime \prime}$ WEST ALONG SAID EAST RIGHT-OF-WAY LINE, A DISTANCE OF 112.77 FEET; THENCE LEAVING SAID EAST RIGHT-OF-WAY LINE OF SW SISTERS WELCOME ROAD, NORTH $87^{\circ} 22^{\prime} 20^{\prime \prime}$ EAST, A DISTANCE OF 316.58 FEET TO THE POINT OF BEGINNING.

SAID PARCEL CONTAINING 377,905 SQUARE FEET - 8.68 ACRES MORE OR LESS.



# This Instrument Prepared By and Should be Returned To: <br> Stephen E. Cook, Esquire <br> SHUTTS \& BOWEN LLP <br> 300 S. Orange Avenue, Suite 1000 <br> Orlando, Florida 32801 

Tax Parcel I.D. No.: R06185-000 and R06233-000

## SPECIAL WARRANTY DEED <br> (North Florida Auto)

THIS SPECIAL WARRANTY DEED is made as of the $16^{m}$ day of December, 2016, by and between LAKE CITY T AUTOMOTIVE MANAGEMENT, LLC, a Florida limited liability company, whose mailing address is 1101 E . Fletcher Avenue, Tampa, Florida 33612 (hereinafter referred to as "Grantor"), and LAKE CITY U aUTOMOTIVE MANAGEMENT, LLC, a Florida limited liability company, whose address is 1101 E. Fletcher Avenue, Tampa, Florida 33612 (hereinafter referred to as "Grantee").
(Whenever used herein, the terms "Grantor" and "Grantee" shall be deemed to include the parties to this Special Warranty Deed and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, limited liability companies or partnerships. The singular shall be deemed to include the plural, and vice versa, where the context so permits.)

## WITNESSETH:

WITNESSETH, that the Grantor, for and in consideration of the sum of Ten and No/100 Dollars ( $\$ 10.00$ ) and other good and valuable consideration, receipt of which is hereby acknowledged, has granted, bargained, sold, conveyed and confirmed, and by these presents does grant, bargain, sell, convey and confirm, unto Grantee, all that certain land situate in Columbia County, Florida, more particularly described in Exhibit "A" attached hereto (the "Property").

TOGETHER with all the tenements, hereditaments and appurtenances with every privilege, right, title, interest and estate, reversion, remainder and easement hereto belonging or in anywise appertaining, and together with all improvements located thereon or therein.

TO HAVE AND TO HOLD the Property, and all the estate, right, title, interest, lien and equity whatsoever of Grantor either in law or in equity or both, to the proper use, benefit, and behoof of Grantee and Grantee's successors and assigns in fee simple forever.

AND Grantor hereby covenants with said Grantee that Grantor is lawfully seized of the Property in fee simple; that Grantor has good right and lawful authority to sell and

Inst. Number: 201612020906 Book: 1327 Page: 2610 Page 2 of 3 Date. 12/27/2016 Time: 08:58 AM P. DeWitt Cason Clerk of Courts, Columbia County, Florida Doc Deed: 16957.50
convey the Property; that Grantor does hereby fully warrant the title to the Property and will defend the same against the lawful claims of all persons claiming by, through or under Grantor, but against none other, and that the Property is free of all encumbrances, except for matters of record, this reference to which shall not serve to reimpose the same.

IN WITNESS WHEREOF, Grantor has executed this Special Warranty Deed as of the day and year first above written.

Signed, sealed and delivered in the presence of:


## "GRANTOR"

LAKE CITY T AUTOMOTIVE MANAGEMENT, LLC, a Florida limited liability company

By: LCM Investments Holdings II, LLC, a Delaware limited liability company, Afanager
By: Ant C. Morgan, Chairman

## STATE OF FLORID /A COUNTY OF HILLSBOROVOH

The foregoing instrument was acknowledged before me this $\qquad$ day of December, 2016, by Larry C. Morgan, as Chairman of LCM Investments Holdings II, LLC, a Delaware limited liability company, Manager of Lake City T Automotive Management, LLC, a Florida limited liability, on behalf of the company. He, who is personally known to me or has produced $\qquad$ as identification.
Print Name:
Notary Public, State of Florida at Large
Commission No:
My Commission Expires:
[Affix Notary Seal]

Inst. Number: 201612020906 Book: 1327 Page: 2611 Page 3 of 3 Date: 12/27/2016 Time: 08:58 AM P. DeWitt Cason Clerk of Courts, Columbia County, Florida Doc Deed: 16957.50

## EXHIBIT "A"

## LEGAL DESCRIPTION

The land referred to herein below is situated in the County of Columbla, State of Florida, and is described as follows:

Commence at the Southwest corner of the East $1 / 2$ of the Northwest $1 / 4$ of the Southwest $1 / 4$ of Section 31, Township 3 South, Range 17 East, Columbia County, Florida and run $N 00^{\circ} 13^{\prime} 36^{\prime \prime}$ W, along the West line of said East $1 / 2$ of the Northwest $1 / 4$ of the Southwest $1 / 4$ a distance of 30.00 feet to the Northerly right-of-way line of a County Graded Road and the POINT OF BEGINNING; thence continue $N 00^{\circ} 13^{\prime} 36^{\prime \prime} W$, still along the West line of the East $1 / 2$ of the Northwest $1 / 4$ of the Southwest $1 / 4$ a distance of 238.42 feet to a point on the Southeasterly right-of-way line of US Highway No. 90, said point being on the arc of a curve concave to the Northwest having a radius of $4,633.66$ feet and a central angle of $04^{\circ} 24^{\prime} 15^{\prime \prime}$, said curve also having a chord distance of 356.10 feet; thence Northeasterly along the arc of said curve, being also sald Southeasterly right-of-way line of US Highway No. 90 a distance of 356.18 feet to the Point of Tangency of sald curve; thence $N 47^{\circ} 50^{\prime} 15^{\prime \prime} \mathrm{E}$, still along said Southeasterly right-of-way line 11.57 feet; thence $S 52^{\circ} 17^{\prime} 44^{\prime \prime} E, 713.76$ feet to a point on the Northerly right-of-way line of a County Graded Road; thence $S 8^{\circ} 23^{\prime} 33^{\prime \prime}$ W, along said Northerly right-of-way line 846.06 feet to the POINT OF BEGINNING.

LESS AND EXCEPT that portion conveyed in O.R. Book 988, Page 387 of the public records of Columbla County, Florida.

ALSO,
Lots 14, 15, 16, and 17, MIDTOWN COMMERCIAL CENTER, a subdivision according to the plat thereof recorded in Plat Book 6, Pages 200-201 of the public records of Columbia County, Florida.

ALSO,
Lot 14, Ridgewood Manor, a subdivislon according to the plat thereof recorded in Plat Book 2, Page 105 of the public records of Columbia County, Florida.

ALSO,
COMMENCE at the Northeast Corner of the W $1 / 2$ of the SW $1 / 4$ of the SW $1 / 4$, Section 31 , Township 3 South, Range 17 East, Columbia County, Florida and run $S 87^{\circ} 23^{\prime} 33^{\prime \prime}$ West along the North line of the SW $1 / 418$ feet to the Northeast Corner of Lot 14 of RIDGEWOOD MANOR, a subdivision according to a plat recorded in Plat Book 2, Page 105 of the public records of Columbia County, Florida; thence run South along the East line of said Lot 14, 123.48 feet to the Southeast Corner of said Lot; thence run $N 87^{\circ} 23^{\prime} 33^{\prime \prime}$ West, 18 feet to the East line of the W $1 / 2$ of the SW $1 / 4$ of the SW $1 / 4$; thence run North along the East line of said $W 1 / 2$ of the SW $1 / 4$ of the SW $1 / 4,123.48$ feet to the Northeast Corner of the W $1 / 2$ of the SW $1 / 4$ of the SW $1 / 4$ and the POINT OF BEGINNING.


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| 03/20/2014 - Florida Limited Liability. | View image in PDF format |

# LIMITED LIABILITY COMPANY AFFIDAVIT OF WPG-LAKE CITY, LLC 

## STATE OF FLORIDA

## COUNTY OF HILLSBOROUGH

Before me, the undersigned authority, personally appeared Michael T. Wagner ("Affiant"), who being by me first duly sworn, on oath deposes and says that:

1. He is the sole Manager of Wagner Property Group, LLC, a Florida limited liability company, the Manager of WPG-LAKE CITY, LLC, a Florida limited liability company ("WPG-LAKE CITY"), and is authorized to execute this Affidavit on behalf of WPG-LAKE CITY.
2. WPG-LAKE CITY is currently in existence under valid Articles of Organization and has not been terminated or dissolved.
3. Affiant is authorized, by the Articles of Organization and Operating Agreement of Wagner Property Group, LLC, and by the Articles of Organization and Operating Agreement of WPG-LAKE CITY to represent said entity as it pertains to any and all permitting, approvals, necessary government filings related to this project.
4. Affiant further states that he is familiar with the nature of an oath and with the penalties as provided by the laws of the State of Florida for falsely swearing to statements made in an instrument of this nature. Affiant further certifies that he has fully read this Affidavit and understands its contents.

## FURTHER AFFIANT SAYETH NAUGHT.



Sworn and subscribed before me by means of $\swarrow$ physical presence or $\qquad$ online notarization, this $1^{\text {St }}$ day of February, 2024, by Michael T. Wagner, who $\swarrow$ is personally known to me or $\qquad$ has produced a valid driver's license as identification.


Kathleen Hap
(Signature of Notary Public)


My Commission Expires:
MAY 10,2027
the below referenced person(s) listed on this form is/are contracted/hired by me, the owner, or, is an officer of the corporation; or, partner as defined in Florida Statutes Chapter 468, and the said person(s) is/are authorized to sign, speak and represent me as the owner in all matters relating to this parcel.

| Printed Name of Person Authorized | Signature of Authorized Person |
| :--- | :--- |
| 1. Kyle Morel, PE | 1. |
| 2. | 2. |
| 3. | 3. |
| 4. | 4. |
| 5. | 5. |

I, the owner, realize that I am responsible for all agreements my duly authorized agent agrees with, and I am fully responsible for compliance with all Florida Statutes, City Codes, and Land Development Regulations pertaining to this parcel.

If at any time the person(s) you have authorized is/are no longer agents, employee(s), or officer(s), you must notify this department in writing of the changes and submit a new letter of authorization form, which will supersede all previous lists. Failure to do so may allow unauthorized persons to use your name and/or license number to obtain permits.


## NOTARY INFORMATION:

STATE OF: FLOMDA
The above person, whose name is MiCtAEL + WAGNER personally appeared before $m e$ and is known by me or has produced identification (type of I.D.) $\qquad$ on this $\qquad$ day of $\qquad$ 2024.


# Columbia County Tax Collector 

generated on 1/30/2024 10:23:01 AM EST

## Tax Record

Last Update: 1/30/2024 2:00:13 AM EST

## Register for eBill

## Ad Valorem Taxes and Non-Ad Valorem Assessments

The information contained herein does not constitute a title search and should not be relied on as such.


| Date Paid | Transaction | Receipt | Item | Amount Paid |
| :--- | :--- | :--- | :--- | ---: |
| $11 / 8 / 2023$ | PAYMENT | 9920579.0001 | 2023 | $\$ 29,787.23$ |

Prior Years Payment History

Prior Year Taxes Due
NO DELINQUENT TAXES

## Columbia County Tax Collector

## Tax Record

Last Update: 1/30/2024 2:00:13 AM EST
Register for eBill

Ad Valorem Taxes and Non-Ad Valorem Assessments
The information contained herein does not constitute a title search and should not be relied on as such.

| Account Number |  | Tax Type | Tax | Year |
| :---: | :---: | :---: | :---: | :---: |
| R06233-000 |  | REAL ESTATE |  |  |
| Mailing Address <br> LAKE CITY U AUTOMOTIVE MANAGEMENT LLC 1101 E FLETCHER AVE TAMPA FL 33612 | GEO Number$313 S 17-06233-000$ |  |  |  |
| Exempt Amount | Taxable Value |  |  |  |
|  |  |  |  |  |
| Ad Valorem Taxes |  |  |  |  |
| Taxing Authority <br> BOARD OF COUNTY COMMISSIONERS COLUMBIA COUNTY SCHOOL BOARD DISCRETTONARY LOCAL <br> CAPITAL OUTLAY SUWANNEE RIVER WATER MGT DIST LAKE SHORE HOSPITAL AUTHORITY | Rate <br> 7.8150 <br> 0.7480 <br> 3.2170 <br> 1. 5000 <br> 0.3113 <br> 0.0001 | Assessed Exemption <br> Value Amount <br> 218,067  <br> 218,067  <br> 218,067  <br> 218,067  <br> 218,067  <br> 218,067  | $\begin{gathered} \text { Taxable } \\ \text { Value } \\ \$ 218,067 \\ \$ 218,067 \\ \$ 218,067 \\ \$ 218,067 \\ \$ 218,067 \\ \$ 218,067 \end{gathered}$ | Taxes Levied <br> \$1,704.19 $\begin{array}{r} \$ 163.11 \\ \$ 701.52 \\ \$ 327.10 \\ \$ 67.88 \\ \$ 0.02 \end{array}$ |
| Total Millage | 13.5914 | Total Taxes |  | ,963.82 |
| Non-Ad Valorem Assessments |  |  |  |  |
| Code Levying Autho <br> FFIR FIRE ASSESSM |  |  |  | Amount $\$ 3.19$ |
|  | Total Assessments |  |  | \$3.19 |
| Taxes \& Assessments \$2,967.01 |  |  |  |  |
|  |  | If Paid By | Am | unt Due |
|  |  |  |  | \$0.00 |


| Date Paid | Transaction | Receipt | Item | Amount Paid |
| :--- | :--- | :--- | :--- | :--- | :--- |


| $11 / 8 / 2023-$ | 9920579.0002 | 2023 | $\$ 2,848.33$ |
| :--- | :--- | :--- | :--- | :--- |

Prior Years Payment History

## Prior Year Taxes Due

```
NO DELINQUENT TAXES
```

Lake City Convenience Store - Lake City, FL
Traffic Impact Analysis

## TRAFFIC IMPACT ANALYSIS

## Lake City Convenience Store

## Lake City, FL

Prepared for:
Wagner Property Group
Digitally signed by Vincent E Spahr DN: cn=Vincent E Spahr, c=US, O=Florida, email=vincent.spahr@kimley-horn.com Date: 2023.10.25 16:25:48-04'00'

Prepared by:
Kimley-Horn and Associates, Inc.

VINCENT E. SPAHR, P.E.
STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 88747

THIS ITEM HAS BEEN DIGITALLY SIGNED and sealed by vincent e. Spahr, P.E. ON THE DATE INDICATED HERE.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

October 2023
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## Appendices

Appendix A: Approved Methodology
Appendix B: Traffic Data
Appendix C: Intersection Volume Development Worksheets
Appendix D: Synchro Output Reports
Appendix E: FDOT Trend Worksheet
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### 1.0 INTRODUCTION

Kimley-Horn has been retained by Wagner Property Group to analyze and document the traffic impacts associated with the development of a convenience store and gas station on the south side of the intersection of US Highway 90 (US 90) and NW Ridgewood Avenue in Lake City, Florida.

The site is currently occupied by a defunct automotive dealership that is proposed to be demolished. The proposed redevelopment is anticipated to include a 5,915 -square-foot convenience store/gas station with 16 vehicle fueling positions and a commercial outparcel. The proposed buildout year is 2025. The project location is shown in Figure 1.

The methodology for this Traffic Impact Analysis (TIA) was reviewed and approved by Columbia County and by the Florida Department of Transportation (FDOT). The approved methodology, including a conceptual site plan for the proposed convenience store and gas station, is provided in Appendix A.

In accordance with the approved methodology, the study area for this traffic impact analysis includes the project driveways and two signalized intersections:

- US 90 and NW Ridgewood Avenue
- US 90 and SW Sisters Welcome Road

Figure 1: Project Location and Study Area


### 2.0 EXISTING CONDITIONS ANALYSIS

### 2.1 EXISTING TRAFFIC DATA

Turning movement counts were collected at the study intersections on Thursday, September 7, 2023, during the AM (7:00 AM - 9:00 AM) and PM (3:00 PM - 6:00 PM) peak periods. The PM peak period was extended to 3:00 PM to capture school PM peak hour conditions due to the proximity of the project site to Lake City Middle School. Raw turning movement counts are provided in Appendix B.

Turning movement volumes were adjusted using the appropriate peak season conversion factor from the FDOT Florida Traffic Online (FTO) database. Seasonal factor data is included in Appendix B. Existing signal timings were provided by Lake City staff for use in the analysis; signal timing worksheets are included in Appendix B.

Figure 2 illustrates turning movement volumes for existing peak season conditions at the study intersections. The intersection volume development worksheets can be found in Appendix C.

## LEGEND

$\rightarrow$ Existing Volumes: AM (MD) [PM]
Study Intersection

$$
]_{[1,2311}^{[63]_{(60)}^{[1]}(0) 1} \rightarrow \operatorname{lic}^{9} \leq 13(28)[27]
$$

$$
\begin{aligned}
& 250) 1,352 \\
& {[3](7) 0>71 \boldsymbol{r}}
\end{aligned}
$$

$$
\mathbf{F}_{3(0)[1], 614)[1,634]}^{872(1)}
$$ $\square O O$

COE
NOE

Figure 2: Existing (2023) Volumes

| Kimley》Horn |  |
| :---: | :---: |
|  |  |

### 2.2 EXISTING INTERSECTION CONDITIONS

Intersection capacity analyses were performed for existing (2023) conditions using the operational analysis procedures outlined in the Highway Capacity Manual, G ${ }^{\text {h }}$ Edition (HCM 6). Specifically, Synchro (v11) software was used to evaluate existing operational conditions at study area intersections by reporting level of service (LOS), delay, volume-to-capacity ( $\mathrm{v} / \mathrm{c}$ ) ratios, and the $95^{\text {th }}$ percentile queue for each movement. Table 1 summarizes the operational analyses for the existing AM, School PM, and PM peak hour conditions at the study intersections. Synchro outputs are provided in Appendix D.

Table 1: Existing Intersection Conditions

|  |  | AM Peak Hour |  |  |  | School PM Peak Hour |  |  |  | PM Peak Hour |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | LOS | Delay (s/veh) | v/c Ratio | 95th \%ile Queue (ft) | LOS | Delay (s/veh) | v/c Ratio | 95th \%ile Queue (ft) | LOS | Delay (s/veh) | v/c Ratio | 95th \%ile Queue (ft) |
| $\begin{aligned} & \text { US } 90 \\ & \& \end{aligned}$ <br> NW Ridgewood Ave | Overall Intersection | A | 4.7 | - | - | A | 3.2 | - | - | A | 3.7 | - | - |
|  | Eastbound | A | 5.9 | - | - | A | 3.5 | - | - | A | 5.0 | - | - |
|  | EBL | A | 4.0 | 0.14 | 25 | A | 3.7 | 0.20 | 25 | A | 3.9 | 0.20 | 25 |
|  | EBT/R | A | 6.0 | 0.42 | 200 | A | 3.6 | 0.31 | 125 | A | 5.2 | 0.31 | 175 |
|  | Westbound | A | 1.1 | - | - | A | 0.9 | - | - | A | 0.7 | - | - |
|  | WBL | A | 5.2 | 0.02 | 0 | A | 0.0 | 0.00 | 0 | A | 4.6 | 0.01 | 0 |
|  | WBT/R | A | 1.2 | 0.28 | 25 | A | 1.2 | 0.44 | 25 | A | 0.9 | 0.42 | 25 |
|  | Northbound | E | 75.0 | - | - | F | 81.9 | - | - | F | 92.7 | - | - |
|  | NBL/T/R | E | 75.0 | 0.32 | 25 | F | 81.9 | 0.34 | 25 | F | 92.7 | 0.32 | 25 |
|  | Southbound | E | 69.1 | - | - | F | 81.8 | - | - | F | 81.7 | - | - |
|  | SBLT/R | E | 69.1 | 0.49 | 50 | F | 81.8 | 0.64 | 75 | F | 81.7 | 0.65 | 100 |
| US 90$\&$SW Sisters WelcomeRd | Overall Intersection | B | 16.5 | - | - | B | 15.0 | - | - | B | 11.9 | - | - |
|  | Eastbound | B | 14.1 | - | - | B | 14.5 | - | - | B | 11.8 | - | - |
|  | EBL | A | 8.9 | 0.02 | 25 | A | 9.8 | 0.03 | 25 | A | 7.9 | 0.05 | 25 |
|  | EBT/R | B | 14.6 | 0.46 | 325 | B | 14.9 | 0.41 | 300 | B | 12.1 | 0.36 | 275 |
|  | Westbound | A | 4.4 | - | - | A | 4.6 | - | - | A | 3.1 | - | - |
|  | WBL | B | 11.4 | 0.48 | 75 | B | 11.3 | 0.49 | 100 | A | 9.0 | 0.43 | 75 |
|  | WBT/R | A | 3.2 | 0.28 | 50 | A | 4.3 | 0.45 | 125 | A | 2.5 | 0.43 | 75 |
|  | Northbound | E | 74.1 | - | - | F | 81.2 | - | - | E | 76.6 | - | - |
|  | NBL | E | 64.8 | 0.69 | 200 | F | 89.2 | 0.86 | 300 | E | 79.8 | 0.77 | 200 |
|  | NBT/R | F | 82.6 | 0.84 | 250 | E | 65.6 | 0.49 | 150 | E | 71.6 | 0.55 | 125 |
|  | Southbound | E | 70.3 | - | - | F | 81.6 | - | - | F | 87.7 | - | - |
|  | SBLT/R | E | 70.3 | 0.42 | 50 | F | 81.6 | 0.53 | 75 | F | 87.7 | 0.70 | 100 |

The intersection of US 90 and NW Ridgewood Avenue operates with LOS A during existing (2023) AM peak hour, School PM peak hour, and PM peak hour conditions. All movements operate with $\mathrm{v} / \mathrm{c}$ ratios less than 1.00 under existing (2023) AM, School PM, and PM peak hour conditions. The northbound and southbound approaches operate with LOS E during the AM peak hour and LOS F during School PM and PM peak hours due to the prioritization of green time for the mainline US 90 movements.

The intersection of US 90 and SW Sisters Welcome Road operates with LOS B during existing (2023) AM peak hour, School PM peak hour, and PM peak hour conditions. All movements operate with $\mathrm{v} / \mathrm{c}$ ratios less than 1.00 under existing (2023) AM, School PM, and PM peak hour conditions. The northbound approach operates with LOS E during the AM and PM peak hours and LOS F during the School PM peak hour due to the prioritization of green time for the mainline US 90 movements. The southbound approach operates with LOS E during the AM peak hour and LOS F during the School PM and PM peak hours due to the prioritization of green time for the mainline US 90 movements.

### 3.0 PROJECT DEVELOPMENT

The existing site is currently occupied by a defunct automotive dealership that is proposed to be demolished. The proposed redevelopment is anticipated to include a 5,915 -square-foot convenience store/gas station with 16 vehicle fueling positions and a commercial outparcel. The latest industry standards were referenced to evaluate the amount of new external trips to be generated by the site at buildout.

### 3.1 SITE ACCESS

Access to the site is proposed via one (1) connection at the existing traffic signal at the intersection of US 90 with NW Ridgewood Avenue and one (1) right-in/right-out (RI/RO) connection to SW Sisters Welcome Road, as shown in the conceptual site plan provided in Appendix A.

### 3.2 TRIP GENERATION

Trip generation and pass-by rates for the proposed development were calculated using the $11^{\text {th }}$ Edition of the Institute of Transportation Engineers' (ITE) Trip Generation Manual. Land Use Code (LUC) 945 (Gasoline Station with Convenience Market) and LUC 934 (Fast-Food Restaurant with Drive-Through Window) were used to calculate the trip generation potential for the proposed development and the commercial outparcel, respectively. The use and intensity of the commercial outparcel is not yet known, so conservative assumptions were made to consider the potential trip generation impacts.

Internal capture calculations were determined based on procedures outlined in the ITE Trip Generation Handbook, $3^{\text {rd }}$ Edition. Pass-by capture rates published in the ITE Trip Generation Manual, $11^{\text {th }}$ Edition were utilized to account for project trips already on the existing roadway network that are expected to travel to and from the subject property upon project buildout. Pass-by capture is limited to $20 \%$ of the adjacent street traffic along US 90, according to data collected on Thursday, September 7, 2023. The collected traffic data are provided in Appendix B.

The proposed development is anticipated to generate approximately 2,246 net new external daily trips, 164 net new external AM peak hour trips ( 83 in/81 out), 146 net new external School PM peak hour trips ( 73 in/73 out), and 136 net new external PM peak hour trips ( $70 \mathrm{in} / 66$ out). In addition, the proposed development is anticipated to capture 5,808 daily pass-by trips, 424 AM peak hour pass-by trips, 394 school PM peak hour pass-by trips, and 360 PM peak hour pass-by trips. Table 2 summarizes the trip generation potential of the proposed development.

Table 2: Trip Generation Summary


1. Source: ITE Trip Generation Manual, 11th Edition and ITE Trip Generation Handbook, 3rd Edition.
2. Internal capture calculated based on methodologies outline in the ITE Trip Generation
3. Where unavailable, daily, AM peak hour, and school PM peak hour pass-by rates are assumed to be consistent with the minimum of AM peak hour or PM peak hour pass-by rates.
4. Pass-by traffic is limited to $20 \%$ of adjacent street traffic on US 90 .

ITE Land Use Code 934 - Fast-Food Restaurant with Drive-Through Window

| Daily: | $\mathrm{T}=467.48^{*}(\mathrm{X}) ; \mathrm{X}$ is 1,000 sq. ft. GFA |
| :---: | :---: |
| AM Peak Hour of Adj. Street: | $\mathrm{T}=44.61^{*}(\mathrm{X})$ ( $51 \%$ entering, $49 \%$ exiting); X is 1,000 sq. ft. GFA |
| Weekday AM Peak Pass-by: | $\mathrm{P}=50 \%$ |
| Hour Vehicle Trips (3PM - 4PM) | $\mathrm{P}=5.7 \%$ |
| PM Peak Hour of Adj. Street: | $\mathrm{T}=33.03^{*}(\mathrm{X})$ (52\% entering, 48\% exiting); X is 1,000 sq. ft. GFA |
| Weekday PM Peak Pass-by: | $\mathrm{P}=55 \%$ |

ITE Land Use Code 945 - Convenience Store/Gas Station (VFP [16-24])

| Daily: | $\mathrm{T}=1283.38^{*}(\mathrm{X}) ; \mathrm{X}$ is 1,000 sq. ft. GFA |
| ---: | :--- |
| AM Peak Hour of Adj. Street: | $\mathrm{T}=91.35^{*}(\mathrm{X})(50 \%$ entering, $50 \%$ exiting); X is 1,000 sq. ft. GFA |
| Weekday AM Peak Pass-by: | $\mathrm{P}=76 \%$ |
| Hour Vehicle Trips (3PM-4PM) | $\mathrm{P}=6.8 \%$ |
| PM Peak Hour of Adj. Street: | $\mathrm{T}=78.95^{*}(\mathrm{X})(50 \%$ entering, $50 \%$ exiting); X is 1,000 sq. ft. GFA |
| Weekday PM Peak Pass-by: | $\mathrm{P}=75 \%$ |

### 3.3 TRIP DISTRIBUTION

The project's trip distribution was developed based on observed traffic patterns within the study area roadway network and engineering judgment. Percent distribution varies slightly from the estimated distribution that was included in the approved TIA methodology to more accurately reflect existing travel patterns. Figure 3 displays the anticipated trip distribution for the proposed convenience store/gas station at buildout.

### 3.4 TRIP ASSIGNMENT

Site distribution percentages were used to assign anticipated project trips to the study area intersections and driveways. Figure 4 shows the anticipated AM, School PM, and PM peak hour project movements at the study area intersections and project driveways.

## LEGEND

$\longrightarrow$ \% Trips In $<\%$ Pass-By In: AM, MD, PM>
$\longrightarrow$ \% Trips Out <\%Pass-By Out: AM, MD, PM> Study Intersection
Project Driveway

Figure 3: Project Trip Distribution

## LEGEND

$\longrightarrow$ Project Trips In: Net New + Pass-By: AM (MD) [PM]
$\longrightarrow$ Project Trips Out: Net New + Pass-By: AM (MD) [PM]
Study Intersection
Project Driveway
$0^{2}$

### 4.0 BACKGROUND CONDITIONS ANALYSIS - YEAR 2025

### 4.1 HISTORICAL TRAFFIC GROWTH

Historical traffic growth rates were calculated based on historical Annual Average Daily Traffic (AADT) volumes available at FDOT count station 290102, near the subject property. The historical AADT for years 2020 and 2021 were not included in the calculation of growth rates because 2020 and 2021 traffic volumes are considered outliers due to the COVID-19 pandemic. The historical traffic growth rate indicated an areawide annual growth rate of less than one percent. An areawide growth rate of one percent ( $1.00 \%$ ) is proposed to forecast future background traffic volumes, consistent with the approved methodology. The FDOT growth trend worksheet can be found is provided in Appendix E.

### 4.2 BACKGROUND TRAFFIC

Traffic conditions were evaluated for the year 2025 background conditions prior to the addition of project traffic. Background volumes at study area intersections were derived by applying $1.00 \%$ annual growth to existing (2023) traffic counts, consistent with the approved methodology. Figure 5 illustrates the AM peak hour, School PM peak hour, and PM peak hour turning movement volumes for background conditions at the study intersections. The intersection volume development worksheet can be found in Appendix C.

### 4.3 BACKGROUND INTERSECTION ANALYSIS

Intersection operational analyses were performed for 2025 background conditions in the AM, school PM, and PM peak hours using procedures outlined in the Highway Capacity Manual 6 with Synchro (v11) software. Table 3 summarizes the operational analyses for the 2025 background AM, School PM, and PM peak hour conditions at the study intersections. Synchro outputs are provided in Appendix D.

Table 3: Background Intersection Conditions

|  |  | AM Peak Hour |  |  |  | School PM Peak Hour |  |  |  | PM Peak Hour |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | LOS | Delay (s/veh) | v/c Ratio | 95th \%ile Queue (ft) | LOS | Delay (s/veh) | v/c Ratio | 95th \%ile Queue (ft) | LOS | Delay (s/veh) | v/c Ratio | 95th \%ile Queue (ft) |
|  | Overall Intersection | A | 4.8 | - | - | A | 3.3 | - | - | A | 3.8 | - | - |
|  | Eastbound | A | 6.0 | - | - | A | 3.5 | - | - | A | 5.0 | - | - |
|  | EBL | A | 4.0 | 0.15 | 25 | A | 3.8 | 0.21 | 25 | A | 3.9 | 0.21 | 25 |
|  | EBT/R | A | 6.0 | 0.42 | 200 | A | 3.7 | 0.31 | 125 | A | 5.3 | 0.31 | 175 |
| US 90 | Westbound | A | 1.1 | - | - | A | 0.9 | - | - | A | 0.7 | - | - |
| \& | WBL | A | 5.3 | 0.02 | 0 | A | 0.0 | 0.00 | 0 | A | 4.6 | 0.01 | 0 |
| NW Ridgewood Ave | WBT/R | A | 1.3 | 0.29 | 25 | A | 1.2 | 0.45 | 25 | A | 1.0 | 0.43 | 25 |
|  | Northbound | E | 75.0 | - | - | F | 81.9 | - | - | F | 92.7 | - | - |
|  | NBL/T/R | E | 75.0 | 0.32 | 25 | F | 81.9 | 0.34 | 25 | F | 92.7 | 0.32 | 25 |
|  | Southbound | E | 69.1 | - | - | F | 82.1 | - | - | F | 82.1 | - | - |
|  | SBL/T/R | E | 69.1 | 0.50 | 50 | F | 82.1 | 0.65 | 100 | F | 82.1 | 0.66 | 100 |
|  | Overall Intersection | B | 16.9 | - | - | B | 15.2 | - | - | B | 16.1 | - | - |
|  | Eastbound | B | 14.6 | - | - | B | 14.9 | - | - | B | 12.0 | - | - |
|  | EBL | A | 9.1 | 0.02 | 25 | A | 10.0 | 0.04 | 25 | A | 8.9 | 0.06 | 25 |
|  | EBT/R | B | 15.1 | 0.47 | 325 | B | 15.3 | 0.42 | 325 | B | 12.3 | 0.37 | 275 |
| US 90 | Westbound | A | 4.6 | - | - | A | 4.8 | $\bullet$ | - | B | 10.5 | - | - |
| \& | WBL | B | 12.0 | 0.51 | 75 | B | 11.7 | 0.51 | 100 | A | 9.3 | 0.44 | 75 |
| SW Sisters Welcome | WBT/R | A | 3.4 | 0.28 | 75 | A | 4.4 | 0.46 | 125 | B | 10.7 | 0.44 | 300 |
| Rd | Northbound | E | 74.6 | - | - | F | 81.5 | - | - | E | 77.8 | - | - |
|  | NBL | E | 64.2 | 0.68 | 200 | F | 89.7 | 0.86 | 325 | F | 81.3 | 0.79 | 225 |
|  | NBT/R | F | 84.0 | 0.84 | 250 | E | 65.6 | 0.50 | 150 | E | 72.4 | 0.57 | 150 |
|  | Southbound | E | 70.3 | - | - | F | 81.6 | - | - | F | 88.4 | - | - |
|  | SBLT/R | E | 70.3 | 0.42 | 50 | F | 81.6 | 0.53 | 75 | F | 88.4 | 0.71 | 100 |

The intersection of US 90 and NW Ridgewood Avenue is expected to operate with LOS A during background (2025) AM peak hour, School PM peak hour, and PM peak hour conditions. All movements are expected to operate with v/c ratios less than 1.00 under background (2025) AM, School PM, and PM peak hour conditions.

The intersection of US 90 and SW Sisters Welcome Road is expected to operate with LOS B during background (2025) AM peak hour, School PM peak hour, and PM peak hour conditions. All movements are expected to operate with v/c ratios less than 1.00 under background (2025) AM, School PM, and PM peak hour conditions.

Consistent with the existing (2023) conditions analyses, the northbound and southbound approaches at both intersections are expected to operate with LOS E and LOS F due to the prioritization of green time to the mainline US 90 movements at the study intersections.

## LEGEND

$\Rightarrow$ Background Volumes: AM (MD) [PM]
Study Intersection

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& \begin{array}{l}
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130) \\
125
\end{array} \\
& \xrightarrow[\underbrace{803}(1,526)]{(1,557]}
\end{aligned}
$$



Figure 5: Background (2025) Volumes

| Kimley>>Horn |  |
| :---: | :---: |
|  | 12 |

### 5.0 BUILDOUT CONDITIONS ANALYSIS - YEAR 2025

### 5.1 BUILDOUT TRAFFIC

Future traffic conditions for the proposed development were evaluated for the year 2025 conditions with the inclusion of project traffic. Buildout volumes were developed by adding anticipated project trips to background (2025) volumes. Figure 6 illustrates the forecasted turning movement volumes under buildout AM, School PM, and PM peak hour conditions at the study intersection and the proposed driveway. The intersection volume development worksheets can be found in Appendix C.

### 5.2 BUILDOUT INTERSECTION ANALYSIS

Intersection operational analyses were performed for 2025 buildout conditions in the AM, School PM, and PM peak hour conditions using procedures outlined in the Highway Capacity Manual 6 with Synchro (v11) software. Table 4 summarizes the operational analyses for the 2025 buildout AM, School PM, and PM peak hour conditions at the study intersection.

Signal timing adjustments were applied at the intersection of US 90 and NW Ridgewood Avenue to provide 9 seconds of additional green time for the northbound approach under buildout AM peak hour conditions and 16 seconds of additional green time for the northbound approach under buildout School PM peak hour and PM peak hour conditions. As shown in Table 4, the adjustments are not expected to have significant detrimental effects on the mainline US 90 LOS. Synchro outputs are provided in Appendix D.

Table 4: Buildout Intersection Conditions

|  |  | AM Peak Hour |  |  |  | School PM Peak Hour |  |  |  | PM Peak Hour |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | LOS | Delay (s/veh) | v/c Ratio | 95th \%ile Queue (ft) | LOS | Delay (s/veh) | v/c Ratio | 95th \%ile Queue (ft) | LOS | Delay (s/veh) | v/c Ratio | 95th \%ile Queue (ft) |
| $\begin{aligned} & \text { US } 90 \\ & \& \end{aligned}$ <br> NW Ridgewood Ave | Overall Intersection | B | 15.0 | - | - | B | 13.3 | - | - | B | 12.1 | - | - |
|  | Eastbound | B | 14.5 | - | - | B | 13.4 | - | - | B | 12.3 | - | - |
|  | EBL | A | 8.1 | 0.16 | 50 | A | 8.9 | 0.23 | 50 | A | 8.2 | 0.23 | 50 |
|  | EBT/R | B | 15.3 | 0.52 | 350 | B | 13.9 | 0.42 | 300 | B | 12.7 | 0.39 | 275 |
|  | Westbound | A | 5.9 | - | - | A | 5.4 | - | - | A | 4.7 | - | - |
|  | WBL | B | 13.6 | 0.54 | 75 | B | 10.9 | 0.45 | 75 | A | 9.6 | 0.39 | 75 |
|  | WBT/R | A | 4.9 | 0.30 | 100 | A | 5.3 | 0.48 | 150 | A | 4.7 | 0.46 | 125 |
|  | Northbound | E | 67.9 | - | - | E | 74.1 | - | - | E | 76.1 | - | - |
|  | NBL | E | 70.5 | 0.83 | 250 | E | 76.1 | 0.84 | 275 | E | 77.1 | 0.83 | 250 |
|  | NBT/R | D | 54.2 | 0.18 | 50 | E | 61.7 | 0.15 | 50 | E | 62.3 | 0.07 | 25 |
|  | Southbound | E | 68.9 | - | - | F | 82.6 | - | - | F | 83.0 | - | - |
|  | SBL/T/R | E | 68.9 | 0.51 | 50 | F | 82.6 | 0.67 | 100 | F | 83.0 | 0.69 | 100 |
| US 90 <br>  <br> SW Sisters Welcome Rd | Overall Intersection | B | 17.0 | - | - | B | 15.5 | - | - | B | 12.3 | - | - |
|  | Eastbound | B | 14.9 | - | - | B | 15.3 | - | - | B | 12.3 | - | - |
|  | EBL | A | 9.2 | 0.02 | 25 | B | 10.2 | 0.04 | 25 | A | 8.1 | 0.06 | 25 |
|  | EBT/R | B | 15.5 | 0.49 | 350 | B | 15.8 | 0.43 | 325 | B | 12.7 | 0.38 | 275 |
|  | Westbound | A | 4.7 | - | - | A | 5.0 | - | - | A | 3.3 | - | $\bullet$ |
|  | WBL | B | 12.7 | 0.54 | 75 | B | 12.3 | 0.54 | 100 | A | 9.5 | 0.47 | 75 |
|  | WBT/R | A | 3.4 | 0.30 | 75 | A | 4.5 | 0.47 | 125 | A | 2.6 | 0.45 | 75 |
|  | Northbound | E | 75.1 | - | - | F | 82.0 | - | - | E | 77.5 | - | - |
|  | NBL | E | 65.6 | 0.70 | 225 | F | 90.5 | 0.87 | 325 | F | 81.2 | 0.80 | 225 |
|  | NBT/R | F | 84.0 | 0.84 | 250 | E | 65.1 | 0.49 | 150 | E | 71.8 | 0.56 | 150 |
|  | Southbound | E | 70.3 | - | - | F | 81.6 | - | - | F | 88.4 | - | - |
|  | SBL/T/R | E | 70.3 | 0.42 | 50 | F | 81.6 | 0.53 | 75 | F | 88.4 | 0.71 | 100 |
| SW Sisters Welcome Rd \& RI/RO Driveway | Westbound | B | 10.5 | - | - | B | 10.3 | - | - | A | 9.7 | - | - |
|  | WBR | B | 10.5 | 0.01 | 0 | B | 10.3 | 0.01 | 0 | A | 9.7 | 0.00 | 0 |

## LEGEND

$\rightarrow$ Buildout Volumes: AM (MD) [PM]
Study Intersection
Project Driveway


The intersection of US 90 and NW Ridgewood Avenue is expected to operate with LOS B under buildout (2025) AM peak hour, School PM peak hour, and PM peak hour conditions. All movements are expected to operate with v/c ratios less than 1.00 under buildout (2025) AM, school PM, and PM peak hour conditions.

The intersection of US 90 and SW Sisters Welcome Road is expected to operate with LOS B under buildout (2025) AM peak hour, School PM peak hour, and PM peak hour conditions. All movements are expected to operate with v/c ratios less than 1.00 under buildout (2025) AM, School PM, and PM peak hour conditions.

Consistent with the background (2025) conditions analyses, the northbound and southbound approaches at both intersections are expected to operate with LOS E and LOS F due to the prioritization of green time to the mainline US 90 movements at the study intersections. No new deficiencies are identified with the addition of project traffic.

The stop-controlled westbound approach at the proposed RI/RO driveway on SW Sisters Welcome Road is expected to operate with LOS B during the AM peak hour, LOS B during the School PM peak hour, and LOS A during the PM peak hour.

The westbound left-turn lane at the intersection of US 90 and NW Ridgewood Avenue is expected to have a $95^{\text {th }}$ percentile queue of 3 vehicles ( 75 feet) under buildout conditions. The existing left-turn lane at this intersection has a length of 125 feet from the stop bar to the beginning of a two-way left turn. It is recommended that the paved median be repainted to be approximately 260 feet in length in order to accommodate 185 feet for deceleration from the posted 45 mph speed limit and 75 feet for queue storage.

### 5.3 SITE ACCESS ANALYSIS

The need for a dedicated right-turn lane on northbound SW Sisters Welcome Road at the subject development's proposed RI/RO driveway was evaluated utilizing the procedures outlined in the National Highway Cooperative Research Program (NCHRP) Report 457. Based on the anticipated buildout traffic at the proposed RI/RO driveway, a dedicated northbound right-turn lane is not warranted. NCHRP worksheets are provided in Appendix $\mathbf{F}$.

### 5.4 ACCESS SPACING STANDARDS

US 90 is classified as an Access Class 6 roadway along the project frontage. For an Access Class 6 roadway with a posted speed limit of 45 mph or less, FDOT's minimum driveway spacing requirement is 245 feet measured from edge of the driveway to edge of the nearest driveway or intersection. Therefore, no additional driveway will meet the required access management standards along US 90 on the subject property.

### 6.0 CONCLUSION

This traffic impact analysis was performed to assess the transportation impacts associated with the development of a convenience store and gas station on the south side of the intersection of US Highway 90 (US 90) and NW Ridgewood Avenue in Lake City, Florida.

The expansion, proposed for buildout in the year 2025, will include a 5,915 -square-foot convenience store/gas station with 16 vehicle fueling positions and a commercial outparcel. The site is currently occupied by a defunct automotive dealership that is proposed to be demolished. Access to the site is proposed via one (1) connection at the existing traffic signal at US 90 and NW Ridgewood Avenue and one (1) right-in/right-out connection to SW Sisters Welcome Road.

The proposed convenience store and gas station is anticipated to generate 164 net new AM peak hour trips ( 83 in, 81 out), 146 net new School PM peak hour trips ( $73 \mathrm{in}, 73$ out), and 136 net new PM peak hour trips ( 70 in, 66 out) at buildout. An additional 424 AM peak hour pass-by trips, 394 School PM peak hour passby trips, and 360 PM peak hour pass-by trips are expected to be captured from existing vehicles already utilizing US 90.

Operational analyses were performed utilizing Synchro software for the existing (2023), background (2025), and buildout (2025) conditions at the study intersections of US 90 with NW Ridgewood Avenue and US 90 with SW Sisters Welcome Road under AM, School PM, and PM peak hour conditions. Under buildout (2025) conditions, the northbound approach at the intersection of US 90 and NW Ridgewood Avenue is proposed to include a shared left/through lane and a dedicated right-turn lane to accommodate project traffic exiting the project site. Signal timing adjustments are recommended to provide additional green time for the northbound approach at US 90 and NW Ridgewood Avenue to accommodate buildout (2025) traffic volumes. The overall intersection and the mainline US 90 approaches are expected to operate with LOS B or better with the proposed signal timing adjustments.

Operational analysis results indicated that the two study intersections are expected to operate at LOS B through the buildout year with the addition of project traffic. All movements at both intersections are expected to continue to operate with $\mathrm{v} / \mathrm{c}$ ratios less than 1.00 through project buildout, and no new operational deficiencies are expected at the study intersection under buildout (2025) conditions.

A site access analysis was performed at the proposed RI/RO connection on SW Sisters Welcome Road in accordance with procedures outlined in NCHRP Report 457. The site access analysis found that a dedicated ingress right-turn lane will not be warranted to accommodate project traffic.

APPENDIX A Approved Methodology

## Kimley») Horn

## Memorandum

To: Carlos Nieto, P.E. Florida Department of Transportation, District Two Traffic Operations

From: Vincent Spahr, P.E.
Kimley-Horn
Date: August 15, 2023

## Subject: Lake City Convenience Store Development <br> Traffic Analysis Methodology

The purpose of this memorandum is to summarize the proposed traffic analysis methodology for a convenience store/gas station development in Lake City, Florida. The subject property (parcel IDs 31-3S-17-06185-000 and 31-3S-17-06233-000) is located on the south side of US 90, east of SW Sisters Welcome Road. The site is currently occupied by a defunct automotive dealership that is proposed to be demolished. The proposed redevelopment is anticipated to include a 5,915 -square foot convenience store/gas station with 16 vehicle fueling positions and a commercial outparcel. The proposed buildout year is 2025 .

Access to the site is proposed via one (1) full-access connection to US 90 at the existing traffic signal at the intersection of US 90 with NW Ridgewood Avenue and one (1) right-in/right-out connection to SW Sisters Welcome Road.

A conceptual site plan is provided as Attachment A. The project location is illustrated in Figure 1.

## DATA COLLECTION

Turning movement counts will be collected during the AM peak period (7:00 AM to 9:00 AM) and an extended PM peak period (3:00 PM to 6:00 PM) on a typical weekday (Tuesday, Wednesday, or Thursday) once the Columbia County School District is in session at the following intersections:

- US 90 \& SW Sisters Welcome Road (signalized)
- US 90 \& NW Ridgewood Avenue (signalized)

The extended PM peak hour is to account for the dismissal period of Lake City Middle School located southeast of the project, which is known to impact traffic operations during the late afternoon period (3:00 PM to 4:00 PM).

Turning movement counts will be adjusted to peak season conditions using the appropriate Florida Department of Transportation (FDOT) peak season conversion factor. The counts will include pedestrian, bicyclist, and heavy vehicle counts.


Figure 1: Project Location and Study Area

## TRIP GENERATION

The trip generation potential of the proposed development has been calculated using the Institute of Transportation Engineers' (ITE) Trip Generation Manual, 11 ${ }^{\text {th }}$ Edition. ITE Land Use Code (LUC) 945 (Convenience Store/Gas Station) and LUC 934 (Fast-Food Restaurant with Drive-Through Window) were referenced for the proposed development and the commercial outparcel, respectively. The use and intensity of the commercial outparcel is not yet known, so conservative assumptions were made to consider the potential trip generation impacts. Relevant excerpts from the ITE Trip Generation Manual are provided as

## Attachment B.

Internal capture calculations were determined based on procedures outlined in the ITE Trip Generation Handbook, $3^{\text {rd }}$ Edition. Pass-by capture rates published in the ITE Trip Generation Manual, $11^{\text {th }}$ Edition were utilized to account for trips already on the existing roadway network that are expected to travel to and from the subject property upon project buildout. Internal capture calculations are provided as Attachment C. Pass-by capture is limited to $20 \%$ of adjacent street traffic along US 90 according to the latest traffic data available from FDOT count station 290102; the synopsis report with 2022 traffic data is provided as Attachment D. AM peak hour, school PM peak hour, and PM peak hour background traffic will be updated once existing (2023) traffic data is collected at the study intersections.
The proposed development is anticipated to generate approximately 2,246 net new external daily trips, 244 net new external AM peak hour trips (123 in/121 out), 146 net new external school PM peak hour ( 73 in/73 out) and 136 net new external PM peak hour trips ( $70 \mathrm{in} / 66$ out). In addition, the proposed development is anticipated to capture 5,808 daily pass-by trips, 344 AM peak hour pass-by trips, 394 school PM peak hour pass-by trips, and 360 PM peak hour pass-by trips. Table 1 summarizes the trip generation potential of the proposed development.

Table 1: Trip Generation Summary

| Land Use |  |  | Size Units |  | $\begin{gathered} \text { Daily } \\ \text { Trips }^{1} \end{gathered}$ | AM Peak Hour ${ }^{1}$ |  |  | School PM Peak Hour ${ }^{1}$ |  |  | PM Peak Hour ${ }^{1}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Total | In | Out | Total | In | Out | Total | In | Out |
| Gross Trip Generation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 934 Quick Serve Restaurant |  |  | 3.000 | KSF |  | 1,402 | 134 | 68 | 66 | 80 | 40 | 40 | 99 | 51 | 48 |
| 945 Convenience Store/Gas Station |  |  | 5.915 | KSF | 7,592 | 540 | 270 | 270 | 516 | 258 | 258 | 467 | 234 | 233 |
|  |  |  |  | Total | 8,994 | 674 | 338 | 336 | 596 | 298 | 298 | 566 | 285 | 281 |
|  | Daily | AM | School PM |  |  |  |  |  |  |  |  |  |  |  |
| Retail | 6.2\% | 8.0\% | 5.4\% | 7.5\% | 470 | 43 | 9 | 34 | 28 | 16 | 12 | 35 | 20 | 15 |
| Restaurant | 33.5\% | 32.1\% | 35.0\% | 35.4\% | 470 | 43 | 34 | 9 | 28 | 12 | 16 | 35 | 15 | 20 |
| Internal Capture ${ }^{2}$ |  |  |  |  | 940 | 86 | 43 | 43 | 56 | 28 | 28 | 70 | 35 | 35 |
| Driveway Volumes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Quick Serve Restaurant |  |  |  |  | 932 | 91 | 34 | 57 | 52 | 28 | 24 | 64 | 36 | 28 |
| Convenience Store/Gas Station |  |  |  |  | 7,122 | 497 | 261 | 236 | 488 | 242 | 246 | 432 | 214 | 218 |
|  |  |  |  | Total | 8,054 | 588 | 295 | 293 | 540 | 270 | 270 | 496 | 250 | 246 |
| Pass-by Trips | Daily ${ }^{3}$ | $\mathrm{AM}^{3}$ | $\underline{\text { School PM }{ }^{3}}$ |  |  |  |  |  |  |  |  |  |  |  |
| Quick Serve Restaurant | 50\% | 50\% | 55\% | 55\% | 466 | 46 | 23 | 23 | 28 | 14 | 14 | 36 | 18 | 18 |
| Convenience Store/Gas Station | 75\% | 76\% | 75\% | 75\% | 5,342 | 378 | 189 | 189 | 366 | 183 | 183 | 324 | 162 | 162 |
|  | 20\% of Adjacent Street Traffic ${ }^{4}$ |  |  |  | 6,300 | 344 | 172 | 172 | 498 | 249 | 249 | 514 | 257 | 257 |
| Total Pass-by Trips |  |  |  |  | 5,808 | 344 | 172 | 172 | 394 | 197 | 197 | 360 | 180 | 180 |
| Net New External Trips |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Quick Serve Restaurant |  |  |  |  | 466 | 38 | 14 | 34 | 24 | 14 | 10 | 28 | 18 | 10 |
| Convenience Store/Gas Station |  |  |  |  | 1,780 | 206 | 109 | 47 | 122 | 59 | 63 | 108 | 52 | 56 |
| Total |  |  |  |  | 2,246 | 244 | 123 | 81 | 146 | 73 | 73 | 136 | 70 | 66 |

1. Source: ITE Trip Generation Manual, 11th Edition and ITE Trip Generation Handbook, 3rd Edition
2. Internal capture calculated based on methodologies outline in the ITE Trip Generation
3. Where unavailable, daily, AM peak hour, and school PM peak hour pass-by rates are assumed to be consistent with the minimum of AM peak hour or PM peak hour pass-by rates.
4. Pass-by traffic is limited to $20 \%$ of adjacent street traffic on US 90 .

ITE Land Use Code 934 - Fast-Food Restaurant with Drive-Through Window

| Daily: | T $=467.48^{*}(X)$; X is 1,000 sq. ft. GFA |
| :---: | :---: |
| AM Peak Hour of Adj. Street: | $\mathrm{T}=44.61^{*}(\mathrm{X})(51 \%$ entering, $49 \%$ exiting); X is 1,000 sq. ft. GFA |
| Weekday AM Peak Pass-by: | $\mathrm{P}=50 \%$ |
| \% of 24 Hour Vehicle Trips (3PM- 4PM) | $\mathrm{P}=5.7 \%$ |
| PM Peak Hour of Adj. Street: | $\mathrm{T}=33.03^{*}(\mathrm{X})$ ( $52 \%$ entering, $48 \%$ exiting); X is 1,000 sq. ft. GFA |
| Weekday PM Peak Pass-by: | $\mathrm{P}=55 \%$ |

ITE Land Use Code 945 - Convenience Store/Gas Station (VFP [16-24])

| Daily: | $\mathrm{T}=1283.38^{\star}(\mathrm{X}) ; \mathrm{X}$ is 1,000 sq. $\mathrm{ft}$. GFA |
| ---: | :--- |
| AM Peak Hour of Adj. Street: | $\mathrm{T}=91.35^{\star}(\mathrm{X})(50 \%$ entering, $50 \%$ exiting $) ; \mathrm{X}$ is 1,000 sq. ft. GFA |
| Weekday AM Peak Pass-by: | $\mathrm{P}=76 \%$ |
| PM Vehicle Trips (3PM-4PM) | $\mathrm{P}=6.8 \%$ |
| PM Peak Hour of Adj. Street: | $\mathrm{T}=78.95^{\star}(\mathrm{X})(50 \%$ entering, $50 \%$ exiting); X is 1,000 sq. ft. GFA |
| Weekday PM Peak Pass-by: | $\mathrm{P}=75 \%$ |

## TRIP DISTRIBUTION

The distribution of project trips to and from the proposed development will be estimated based on existing travel patterns observed in the traffic data collected within the study area. Figure 2 illustrates an approximation of the trip distribution based on available FDOT data, but the distribution will be refined after existing (2023) traffic data is collected at the study intersections.

## Kimley»>Horn



Figure 2: Approximate Trip Distribution

## BACKGROUND TRAFFIC

Historical growth rates were calculated based on historical Annual Average Daily Traffic (AADT) volumes reported at FDOT traffic count station 290102, near the subject property. The historical AADT for years 2020 and 2021 were not included in the calculation of growth rates because 2020 and 2021 traffic volumes are considered aberrations due to the Covid pandemic. The historical traffic growth rate indicated an areawide annual growth rate of less than one percent. An areawide growth rate of one percent (1.00\%) is proposed to forecast future background traffic volumes in the forthcoming traffic study. The FDOT trend growth worksheet is provided in Attachment E.

## INTERSECTION OPERATIONAL ANALYSES

Intersection operational analyses will be conducted for the AM peak hour, school PM peak hour, and PM peak hour at the study intersections and the proposed driveway connections. Intersection analyses will be performed using Synchro 11 traffic engineering analysis software which applies the methodologies from the Transportation Research Board's Highway Capacity Manual, $6^{\text {th }}$ Edition. Operational analyses will be conducted at the study intersections for existing (2023), future background (without project), and future buildout (with project traffic) conditions. If significant improvements are required at the intersection of US 90 and NW Ridgewood Avenue to accommodate future buildout (with project traffic) conditions, an Intersection Control Evaluation (ICE) Study will be performed in coordination with FDOT.

## Kimley»Horn

## DOCUMENTATION

The results of the traffic analysis will be summarized in a technical letter. The letter will include supporting documents including data collection, volume development worksheets, and software output reports. The letter will include tables and graphics necessary to summarize the analysis and results, as well as any recommendations resulting from the analysis.

K:\GVL_TPTO\147779016 - Lake City C-Store Traffic Studyldoc\1 - methodology\Traffic Methodology_Lake City C-Store.docx

## Attachment A Conceptual Site Plan



## Attachment B <br> ITE Trip Generation Manual Excerpts

# Land Use: 934 <br> Fast-Food Restaurant with Drive-Through Window 

## Description

This land use includes any fast-food restaurant with a drive-through window. This type of restaurant is characterized by a large drive-through and large carry-out clientele, long hours of service (some are open for breakfast, all are open for lunch and dinner, some are open late at night or 24 hours a day) and high turnover rates for eat-in customers. The restaurant does not provide table service. A patron generally orders from a menu board and pays before receiving the meal. A typical duration of stay for an eat-in patron is less than 30 minutes. Fast casual restaurant (Land Use 930), high-turnover (sit-down) restaurant (Land Use 932), fast-food restaurant without drive-through window (Land Use 933), and fast-food restaurant with drive-through window and no indoor seating (Land Use 935) are related uses.

## Additional Data

Users should exercise caution when applying statistics during the AM peak periods, as the sites contained in the database for this land use may or may not be open for breakfast. In cases where it was confirmed that the sites were not open for breakfast, data for the AM peak hour of the adjacent street traffic were removed from the database.

If the restaurant has outdoor seating, its area is not included in the overall gross floor area. For a restaurant that has significant outdoor seating, the number of seats may be more reliable than GFA as an independent variable on which to establish a trip generation rate.

The technical appendices provide supporting information on time-of-day distributions for this land use. The appendices can be accessed through either the ITETripGen web app or the trip generation resource page on the ITE website (https://www.ite.org/technical-resources/topics/trip-and-parking-generation/).

The sites were surveyed in the 1980s, the 1990s, the 2000s, and the 2010s in Alaska, Alberta (CAN), California, Colorado, Florida, Indiana, Kentucky, Maryland, Massachusetts, Minnesota, Montana, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, South Dakota, Texas, Vermont, Virginia, Washington, and Wisconsin.

## Source Numbers

$163,164,168,180,181,241,245,278,294,300,301,319,338,340,342,358,389,438,502,552$, $577,583,584,617,640,641,704,715,728,810,866,867,869,885,886,927,935,962,977,1050$, 1053, 1054

## Fast-Food Restaurant with Drive-Through Window (934)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday

## Setting/Location: General Urban/Suburban

Number of Studies: 71
Avg. 1000 Sq. Ft. GFA: 3
Directional Distribution: 50\% entering, 50\% exiting

## Vehicle Trip Generation per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | Standard Deviation |
| :---: | :---: | :---: |
| 467.48 | $98.89-1137.66$ | 238.62 |

Data Plot and Equation


## Fast-Food Restaurant with Drive-Through Window (934)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday,
Peak Hour of Adjacent Street Traffic, One Hour Between 7 and 9 a.m.

Setting/Location: General Urban/Suburban
Number of Studies: 96
Avg. 1000 Sq. Ft. GFA: 4
Directional Distribution: 51\% entering, 49\% exiting

## Vehicle Trip Generation per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | Standard Deviation |
| :---: | :---: | :---: |
| 44.61 | $1.05-164.25$ | 27.14 |

Data Plot and Equation


## Fast-Food Restaurant with Drive-Through Window (934)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday,
Peak Hour of Adjacent Street Traffic, One Hour Between 4 and 6 p.m.

## Setting/Location: General Urban/Suburban

Number of Studies: 190
Avg. 1000 Sq. Ft. GFA: 3
Directional Distribution: 52\% entering, 48\% exiting

## Vehicle Trip Generation per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | Standard Deviation |
| :---: | :---: | :---: |
| 33.03 | $8.77-117.22$ | 17.59 |

Data Plot and Equation


# Land Use: 945 Convenience Store/Gas Station 

## Description

A convenience store/gas station is a facility with a co-located convenience store and gas station. The convenience store sells grocery and other everyday items that a person may need or want as a matter of convenience. The gas station sells automotive fuels such as gasoline and diesel.

A convenience store/gas station is typically located along a major thoroughfare to optimize motorist convenience. Extended hours of operation (with many open 24 hours, 7 days a week) are common at these facilities.

The convenience store product mix typically includes pre-packaged grocery items, beverages, dairy products, snack foods, confectionary, tobacco products, over-the-counter drugs, and toiletries. A convenience store may sell alcohol, often limited to beer and wine. Coffee and premade sandwiches are also commonly sold at a convenience store. Made-to-order food orders are sometimes offered. Some stores offer limited seating.

The sites in this land use include both self-pump and attendant-pumped fueling positions and both pre-pay and post-pay operations.

Convenience store (Land Use 851), gasoline/service station (Land Use 944), and truck stop (Land Use 950) are related uses.

## Land Use Subcategory

Multiple subcategories were added to this land use to allow for multi-variable evaluation of sites with single-variable data plots. All study sites are assigned to one of three subcategories, based on the number of vehicle fueling positions (VFP) at the site: between 2 and 8 VFP , between 9 and 15 VFP, and between 16 and 24 VFP. For each VFP range subcategory, data plots are presented with GFA as the independent variable for all time periods and trip types for which data are available. The use of both GFA and VFP (as the independent variable and land use subcategory, respectively) provides a significant improvement in the reliability of a trip generation estimate when compared to the single-variable data plots in prior editions of Trip Generation Manual.

Further, the study sites were also assigned to one of three other subcategories, based on the gross floor area (GFA) of the convenience store at the site: between 2,000 and 4,000 square feet, between 4,000 and 5,500 square feet, and between 5,500 and 10,000 square feet. For each GFA subcategory range, data plots are presented with VFP as the independent variable for all time periods and trip types for which data are available. The use of both VFP and GFA (as the independent variable and land use subcategory, respectively) provides a significant improvement in the reliability of a trip generation estimate when compared to the single-variable data plots in prior editions of Trip Generation Manual.

When analyzing the convenience store/gas station land use with each combination of GFA and VFP values as described above, the two sets of data plots will produce two estimates of sitegenerated trips. Both values can be considered when determining a site trip generation estimate.

Data plots are also provided for three additional independent variables: AM peak hour traffic on adjacent street, PM peak hour traffic on adjacent street, and employees. These independent variables are intended to be analyzed as single independent variables and do not have subcategories associated with them. Within the data plots and within the ITETripGen web app, these plots are found under the land use subcategory "none."

## Additional Data

ITE recognizes there are existing convenience store/gas station sites throughout North America that are larger than the sites presented in the data plots. However, the ITE database does not include any site with more than 24 VFP or any site with gross floor area greater than 10,000 square feet. Submission of trip generation data for larger sites is encouraged.

The technical appendices provide supporting information on time-of-day distributions for this land use. The appendices can be accessed through either the ITETripGen web app or the trip generation resource page on the ITE website (https://www.ite.org/technical-resources/topics/trip-and-parking-generation/).

The sites were surveyed in the 1980s, the 1990s, the 2000s, and the 2010s in Alberta (CAN), Arkansas, California, Connecticut, Delaware, Florida, Indiana, Iowa, Kentucky, Maryland, Massachusetts, Minnesota, Nevada, New Hampshire, New Jersey, Pennsylvania, Rhode Island, South Dakota, Texas, Utah, Vermont, Washington, and Wisconsin.

## Source Numbers

$221,245,274,288,300,340,350,351,352,355,359,385,440,617,718,810,813,844,850,853$, $864,865,867,869,882,883,888,904,926,927,936,938,954,960,962,977,1004,1024,1025$, 1027, 1052

# Convenience Store/Gas Station - VFP (16-24) <br> (945) 

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday

## Setting/Location: General Urban/Suburban

Number of Studies: 8
Avg. 1000 Sq. Ft. GFA: 3
Directional Distribution: 50\% entering, 50\% exiting

## Vehicle Trip Generation per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | Standard Deviation |
| :---: | :---: | :---: |
| 1283.38 | $620.83-2466.48$ | 581.47 |

Data Plot and Equation


## Convenience Store/Gas Station - VFP (16-24)

(945)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday,
Peak Hour of Adjacent Street Traffic, One Hour Between 7 and 9 a.m.

## Setting/Location: General Urban/Suburban

Number of Studies: 32
Avg. 1000 Sq. Ft. GFA: 5
Directional Distribution: 50\% entering, $50 \%$ exiting
Vehicle Trip Generation per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | Standard Deviation |
| :---: | :---: | :---: |
| 91.35 | $26.92-143.41$ | 27.59 |

Data Plot and Equation


## Convenience Store/Gas Station - VFP (16-24)

(945)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday,
Peak Hour of Adjacent Street Traffic, One Hour Between 4 and 6 p.m.

## Setting/Location: General Urban/Suburban

Number of Studies: 39
Avg. 1000 Sq. Ft. GFA: 5
Directional Distribution: 50\% entering, $50 \%$ exiting
Vehicle Trip Generation per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | Standard Deviation |
| :---: | :---: | :---: |
| 78.95 | $33.85-213.17$ | 25.75 |

Data Plot and Equation


| Vehide Pass-By Rates by Land Use |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Source: ITE Trip Generation Manual , 11th Edition |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Land Use Code | 934 |  |  |  |  |  |  |  |  |
| Land Use | Fast-Food Restaurant with Drive-Through Window |  |  |  |  |  |  |  |  |
| Setting | General Urban/Suburban |  |  |  |  |  |  |  |  |
| Time Period | Weekday AM Peak Period |  |  |  |  |  |  |  |  |
| \#Data Sites | 5 |  |  |  |  |  |  |  |  |
| Average Pass-By Rate | 50\% |  |  |  |  |  |  |  |  |
|  | Pass-By Characteristics for Individual Sites |  |  |  |  |  |  |  |  |
|  | State or Province |  |  |  |  |  |  |  |  |
|  |  | Survey Year | \#Interviews | $\begin{aligned} & \hline \text { Pass-By } \\ & \text { Trip (\%) } \\ & \hline \end{aligned}$ | Non-Pass-By Trips |  |  | Adj Street Peak Hour Volume | Source |
| GFA (000) |  |  |  |  | Primary (\%) | Diverted (\%) | Total (\%) |  |  |
| 1.4 | Kentucky | 1993 | - | 62 | 22 | 16 | 38 | 1407 | 2 |
| 3 | Kentucky | 1993 | - | 43 | 14 | 43 | 57 | 2903 | 2 |
| 3.3 | -- | 1996 | - | 68 | - | - | 32 | - | 21 |
| 3.6 | Kentucky | 1993 | - | 32 | 47 | 21 | 68 | 437 | 2 |
| 4.2 | Indiana | 1993 | - | 46 | 23 | 31 | 54 | 1049 | 2 |
|  |  |  |  |  |  |  |  |  |  |


| Vehide Pass-By Rates by Land Use |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Source: ITE Trip Generation Manual , 11th Edition |  |  |  |  |  |  |  |  |  |
| Land Use Code | 934 |  |  |  |  |  |  |  |  |
| Land Use | Fast-Food Restaurant with Drive-Through Window |  |  |  |  |  |  |  |  |
| Setting | General Urban/ Suburban |  |  |  |  |  |  |  |  |
| Time Period | Weekday PM Peak Period |  |  |  |  |  |  |  |  |
| \#Data Sites | 11 |  |  |  |  |  |  |  |  |
| Average Pass-By Rate | 55\% |  |  |  |  |  |  |  |  |
|  | Pass-By Characteristics for Individual Sites |  |  |  |  |  |  |  |  |
|  | State or Province | Survey Year | \# Interviews | $\begin{aligned} & \hline \text { Pass-By } \\ & \text { Trip (\%) } \\ & \hline \end{aligned}$ | Non-Pass-By Trips |  |  | Adj Street Peak Hour Volume | Source |
| GFA (000) |  |  |  |  | Primary (\%) | Diverted (\%) | Total (\%) |  |  |
| 1.3 | Kentucky | 1993 | - | 68 | 22 | 10 | 32 | 2055 | 2 |
| 1.9 | Kentucky | 1993 | 33 | 67 | 24 | 9 | 33 | 2447 | 2 |
| 2.8 | Florida | 1995 | 47 | 66 | - | - | 34 | - | 30 |
| 2.9 | Florida | 1996 | 271 | 41 | 41 | 18 | 59 | - | 30 |
| 3 | Kentucky | 1993 | - | 31 | 31 | 38 | 69 | 4250 | 2 |
| 3.1 | Florida | 1995 | 28 | 71 | - | - | 29 | - | 30 |
| 3.1 | Florida | 1996 | 29 | 38 | - | - | 62 | - | 30 |
| 3.2 | Florida | 1996 | 202 | 40 | 39 | 21 | 60 | - | 30 |
| 3.3 | - | 1996 | - | 62 | - | - | 38 | - | 21 |
| 4.2 | Indiana | 1993 | - | 56 | 25 | 19 | 44 | 1632 | 2 |
| 4.3 | Florida | 1994 | 304 | 62 | - | - | 38 | - | 30 |
|  |  |  |  |  |  |  |  |  |  |

Vehide Pass-By Rates by Land Use
Source: ITE Trip Generation Manual , 11th Edition

| Land Use Code | 945 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Land Use | Convenience Store/Gas Station |  |  |  |  |  |  |  |  |  |
| Setting | General Urban/Suburban |  |  |  |  |  |  |  |  |  |
| Time Period | Weekday AM Peak Period |  |  |  |  |  |  |  |  |  |
| \#Data Sites | 16 Sites with between 2 and 8 VFP |  |  |  |  | 28 Sites with between 9 and 20 VFP |  |  |  |  |
| Average Pass-By Rate | 60\% for Sites with between 2 and 8 VFP |  |  |  |  | $76 \%$ for Sites with between 9 and 20 VFP |  |  |  |  |
|  | Pass-By Characteristics for Individual Sites |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | VFP | State or Province | Survey Year | \#Interviews | $\begin{aligned} & \hline \text { Pass-By } \\ & \text { Trip (\%) } \end{aligned}$ | Non-Pass-By Trips |  |  | Adj Street Peak Hour Volume | Source |
| GFA (000) |  |  |  |  |  | Primary (\%) | Diverted (\%) | Total (\%) |  |  |
| 2 | 8 | M aryland | 1992 | 46 | 87 | 13 | 0 | 13 | 2235 | 25 |
| 2.1 | 6 | M aryland | 1992 | 26 | 58 | 23 | 19 | 42 | 2080 | 25 |
| 2.1 | 6 | M aryland | 1992 | 26 | 58 | 23 | 19 | 42 | 2080 | 25 |
| 2.2 | 8 | M aryland | 1992 | 31 | 47 | 34 | 19 | 53 | 1785 | 25 |
| 2.2 | <8 | Indiana | 1993 | 79 | 56 | 6 | 38 | 44 | 635 | 2 |
| 2.2 | 8 | M aryland | 1992 | 35 | 78 | 9 | 13 | 22 | 7080 | 25 |
| 2.3 | 6 | M aryland | 1992 | 37 | 32 | 41 | 27 | 68 | 2080 | 25 |
| 2.3 | <8 | Kentucky | 1993 | 58 | 64 | 5 | 31 | 36 | 1255 | 2 |
| 2.3 | 6 | M aryland | 1992 | 37 | 32 | 41 | 27 | 68 | 2080 | 25 |
| 2.4 | <8 | Kentucky | 1993 | - | 48 | 17 | 35 | 52 | 1210 | 2 |
| 2.6 | <8 | Kentucky | 1993 | - | 72 | 15 | 13 | 28 | 940 | 2 |
| 2.8 | <8 | Kentucky | 1993 | - | 54 | 11 | 35 | 46 | 1240 | 2 |
| 3 | <8 | Indiana | 1993 | 62 | 74 | 10 | 16 | 26 | 790 | 2 |
| 3.6 | <8 | Kentucky | 1993 | 49 | 67 | 4 | 29 | 33 | 1985 | 2 |
| 3.7 | <8 | Kentucky | 1993 | 49 | 66 | 16 | 18 | 34 | 990 | 2 |
| 4.694 | 12 | M aryland | 2000 | - | 72 | - | - | 28 | 2440 | 30 |
| 4.694 | 12 | M aryland | 2000 | - | 78 | - | - | 22 | 1561 | 30 |
| 4.694 | 12 | M aryland | 2000 | - | 79 | - | - | 21 | 2764 | 30 |
| 4.848 | 12 | Virginia | 2000 | - | 55 | - | - | 45 | 1398 | 30 |
| 5.06 | 12 | Pennsylvania | 2000 | - | 84 | - | - | 16 | 3219 | 30 |
| 5.242 | 12 | Virginia | 2000 | - | 74 | - | - | 26 | 1160 | 30 |
| 5.242 | 12 | Virginia | 2000 | - | 71 | - | - | 29 | 548 | 30 |
| 5.488 | 12 | Delaware | 2000 | - | 80 | - | - | 20 | - | 30 |



Vehide Pass-By Rates by Land Use
Source: ITE Trip Generation Manual , 11th Edition

| Land Use Code | 945 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Land Use | Convenience Store/Gas Station |  |  |  |  |  |  |  |  |  |
| Setting | General Urban/Suburban |  |  |  |  |  |  |  |  |  |
| Time Period | Weekday PM Peak Period |  |  |  |  |  |  |  |  |  |
| \#Data Sites | 12 Sites with between 2 and 8 VFP |  |  |  |  | 28 Sites with between 9 and 20 VFP |  |  |  |  |
| Average Pass-By Rate | $56 \%$ for Sites with between 2 and 8 VFP |  |  |  |  | $75 \%$ for Sites with between 9 and 20 VFP |  |  |  |  |
|  | Pass-By Characteristics tor Individual Sites |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | VFP | State or Province | Survey Year | \#Interviews | $\begin{aligned} & \hline \text { Pass-By } \\ & \text { Trio (\%) } \end{aligned}$ | Non-Pass-By Trips |  |  | Adj Street Peak Hour Volume | Source |
| GFA (000) |  |  |  |  |  | Primary (\%) | Diverted (\%) | Total (\%) |  |  |
| 2.1 | 8 | M aryland | 1992 | 31 | 52 | 13 | 35 | 48 | 1785 | 25 |
| 2.1 | 6 | M aryland | 1992 | 30 | 53 | 20 | 27 | 47 | 1060 | 25 |
| 2.2 | <8 | Indiana | 1993 | 115 | 48 | 16 | 36 | 52 | 820 | 2 |
| 2.3 | <8 | Kentucky | 1993 | 67 | 57 | 16 | 27 | 43 | 1954 | 2 |
| 2.3 | 6 | Maryland | 1992 | 55 | 40 | 11 | 49 | 60 | 2760 | 25 |
| 2.4 | <8 | Kentucky | 1993 | - | 58 | 13 | 29 | 42 | 2655 | 2 |
| 2.6 | <8 | Kentucky | 1993 | 68 | 67 | 15 | 18 | 33 | 950 | 2 |
| 2.8 | <8 | Kentucky | 1993 | - | 62 | 11 | 27 | 38 | 2875 | 2 |
| 3 | <8 | Indiana | 1993 | 80 | 65 | 15 | 20 | 35 | 1165 | 2 |
| 3.6 | <8 | Kentucky | 1993 | 60 | 56 | 17 | 27 | 44 | 2505 | 2 |
| 3.7 | <8 | Kentucky | 1993 | 70 | 61 | 16 | 23 | 39 | 2175 | 2 |
| 4.2 | <8 | Kentucky | 1993 | 61 | 58 | 26 | 16 | 42 | 2300 | 2 |
| 4.694 | 12 | M aryland | 2000 | - | 78 | - | - | 22 | 3549 | 30 |
| 4.694 | 12 | M aryland | 2000 | - | 67 | - | - | 33 | 2272 | 30 |
| 4.694 | 12 | M aryland | 2000 | - | 66 | - | - | 34 | 3514 | 30 |
| 4.848 | 12 | Virginia | 2000 | - | 71 | - | - | 29 | 2350 | 30 |
| 5.06 | 12 | Pennsylvania | 2000 | - | 91 | - | - | 9 | 4181 | 30 |
| 5.242 | 12 | Virginia | 2000 | - | 70 | - | - | 30 | 2445 | 30 |
| 5.242 | 12 | Virginia | 2000 | - | 56 | - | - | 44 | 950 | 30 |
| 5.488 | 12 | Delaware | 2000 | - | 73 | - | - | 27 | - | 30 |
| 5.5 | 12 | Pennsylvania | 2000 | - | 84 | - | - | 16 | 4025 | 30 |
| 4.694 | 16 | Maryland | 2000 | - | 89 | - | - | 11 | 2755 | 30 |
| 4.694 | 16 | Delaware | 2000 | - | 73 | - | - | 27 | 1858 | 30 |


| 4.694 | 16 | Delaware | 2000 | - | 59 | - | - | 41 | 1344 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.694 | 16 | Delaware | 2000 | - | 72 | - | - | 28 | 30 |  |
| 4.694 | 16 | New Jersey | 2000 | - | 81 | - | - | 19 | 1734 | 30 |
| 4.694 | 20 | Delaware | 2000 | - | 76 | - | - | 24 | 1616 | 30 |
| 4.848 | 16 | Virginia | 2000 | - | 67 | - | - | 33 | 2.954 | 30 |
| 4.848 | 16 | Virginia | 2000 | - | 78 | - | - | 22 | 3086 | 30 |
| 4.848 | 16 | Virginia | 2000 | - | 83 | - | - | 17 | 4143 | 30 |
| 4.848 | 16 | Virginia | 2000 | - | 73 | - | - | 27 | 2534 | 30 |
| 4.993 | 16 | Pennsylvania | 2000 | - | 72 | - | - | 28 | 2917 | 30 |
| 5.094 | 16 | New Jersey | 2000 | - | 86 | - | - | 14 | 1730 | 30 |
| 5.5 | 16 | Pennsllvania | 2000 | - | 90 | - | - | 10 | 2616 | 30 |
| 5.543 | 16 | Pennsylvania | 2000 | - | 87 | - | - | 13 | 2363 | 30 |
| 5.565 | 16 | Pennsylvania | 2000 | - | 81 | - | - | 19 | 2770 | 30 |
| 5.565 | 16 | Pennsylvania | 2000 | - | 76 | - | - | 24 | 3362 | 30 |
| 5.565 | 16 | New Jersey | 2000 | - | 61 | - | - | 39 | 1713 | 30 |
| 5.565 | 16 | New Jersey | 2000 | - | 86 | - | - | 14 | 1721 | 30 |
| 5.565 | 16 | New Jersey | 2000 | --- | 81 | -- | -- | 19 | 2227 | 30 |
|  |  |  |  |  |  |  |  |  |  |  |



| 11:30-12:30 PM | 11.3\% | 11.9\% | 10.7\% | 8.9\% | 9.6\% | 8.2\% | 7.3\% | 8.1\% | 6.5\% | 10.8\% | 11.1\% | 10.5\% | 7.1\% | 7.7\% | 6.5\% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11:45-12:45 PM | 11.8\% | 12.0\% | 11.6\% | 9.4\% | 10.1\% | 8.8\% | 7.8\% | 9.0\% | 6.6\% | 11.3\% | 11.4\% | 11.3\% | 7.6\% | 7.5\% | 7.8\% |
| 12:00-1:00 PM | 11.9\% | 11.9\% | 12.0\% | 10.1\% | 10.4\% | 9.8\% | 8.9\% | 9.7\% | 8.1\% | 10.6\% | 10.4\% | 10.8\% | 7.6\% | 7.5\% | 7.8\% |
| 12:15-1:15 PM | 11.3\% | 10.9\% | 11.7\% | 10.3\% | 10.4\% | 10.2\% | 9.3\% | 9.9\% | 8.7\% | 10.0\% | 9.1\% | 10.9\% | 8.2\% | 7.9\% | 8.4\% |
| 12:30-1:30 PM | 10.2\% | 9.6\% | 10.8\% | 10.0\% | 9.7\% | 10.4\% | 9.7\% | 9.8\% | 9.6\% | 9.0\% | 8.1\% | 9.9\% | 6.6\% | 6.0\% | 7.2\% |
| 12:45-1:45 PM | 9.2\% | 8.8\% | 9.7\% | 9.5\% | 9.1\% | 9.8\% | 9.5\% | 8.7\% | 10.2\% | 7.8\% | 6.9\% | 8.6\% | 6.1\% | 5.6\% | 6.5\% |
| 1:00-2:00 PM | 8.3\% | 7.9\% | 8.7\% | 8.7\% | 8.4\% | 9.0\% | 9.2\% | 8.7\% | 9.7\% | 7.0\% | 6.2\% | 7.8\% | 6.0\% | 6.0\% | 6.0\% |
| 1:15-2:15 PM | 7.7\% | 7.3\% | 8.1\% | 8.3\% | 8.1\% | 8.5\% | 8.6\% | 8.0\% | 9.2\% | 5.6\% | 4.8\% | 6.3\% | 6.3\% | 5.8\% | 6.7\% |
| 1:30-2:30 PM | 7.1\% | 6.8\% | 7.5\% | 8.0\% | 8.1\% | 8.0\% | 8.1\% | 7.4\% | 8.8\% | 5.3\% | 4.8\% | 5.7\% | 6.5\% | 6.5\% | 6.5\% |
| 1:45-2:45 PM | 6.7\% | 6.3\% | 7.0\% | 8.1\% | 7.9\% | 8.3\% | 7.9\% | 7.6\% | 8.3\% | 4.9\% | 4.9\% | 4.9\% | 7.6\% | 8.1\% | 7.1\% |
| 2:00-3:00 PM | 6.2\% | 5.9\% | 6.5\% | 7.8\% | 7.7\% | 8.0\% | 7.6\% | 7.4\% | 7.9\% | 4.3\% | 4.1\% | 4.4\% | 7.9\% | 8.1\% | 7.6\% |
| 2:15-3:15 PM | 5.8\% | 5.7\% | 5.9\% | 7.7\% | 7.6\% | 7.9\% | 8.0\% | 8.0\% | 8.0\% | 5.0\% | 5.4\% | 4.6\% | 9.0\% | 9.8\% | 8.2\% |
| 2:30-3:30 PM | 5.6\% | 5.4\% | 5.7\% | 7.5\% | 7.1\% | 7.8\% | 8.3\% | 8.7\% | 7.9\% | 4.9\% | 5.1\% | 4.8\% | 9.5\% | 10.0\% | 9.0\% |
| 2:45-3:45 PM | 5.5\% | 5.4\% | 5.6\% | 7.2\% | 6.9\% | 7.5\% | 8.4\% | 8.5\% | 8.3\% | 5.2\% | 5.4\% | 5.0\% | 8.0\% | 7.5\% | 8.5\% |
| 3:00-4:00 PM | 5.7\% | 5.7\% | 5.7\% | 7.3\% | 7.2\% | 7.3\% | 8.4\% | 8.5\% | 8.4\% | 5.7\% | 6.2\% | 5.2\% | 8.0\% | 7.5\% | 8.6\% |
| 3:15-4:15 PM | 5.6\% | 5.6\% | 5.7\% | 7.3\% | 7.3\% | 7.3\% | 8.4\% | 8.3\% | 8.6\% | 5.3\% | 5.2\% | 5.5\% | 6.8\% | 6.5\% | 7.1\% |
| 3:30-4:30 PM | 5.6\% | 5.6\% | 5.7\% | 7.4\% | 7.5\% | 7.4\% | 8.0\% | 8.3\% | 7.8\% | 5.7\% | 6.0\% | 5.4\% | 6.1\% | 5.6\% | 6.5\% |
| 3:45-4:45 PM | 5.7\% | 5.8\% | 5.7\% | 7.3\% | 7.6\% | 7.1\% | 8.1\% | 8.4\% | 7.9\% | 5.8\% | 5.7\% | 6.0\% | 5.7\% | 5.2\% | 6.2\% |
| 4:00-5:00 PM | 5.7\% | 5.9\% | 5.6\% | 7.4\% | 7.7\% | 7.2\% | 8.3\% | 8.5\% | 8.1\% | 5.8\% | 5.7\% | 5.8\% | 4.7\% | 4.6\% | 4.8\% |
| 4:15-5:15 PM | 6.0\% | 6.2\% | 5.8\% | 7.4\% | 7.7\% | 7.1\% | 8.6\% | 9.1\% | 8.0\% | 6.0\% | 6.2\% | 5.9\% | 4.3\% | 4.2\% | 4.5\% |
| 4:30-5:30 PM | 6.3\% | 6.6\% | 6.0\% | 7.6\% | 7.9\% | 7.4\% | 9.4\% | 9.4\% | 9.4\% | 6.5\% | 6.2\% | 6.7\% | 4.3\% | 4.4\% | 4.3\% |
| 4:45-5:45 PM | 6.5\% | 6.8\% | 6.2\% | 8.3\% | 8.8\% | 7.8\% | 9.5\% | 9.9\% | 9.1\% | 6.8\% | 6.8\% | 6.7\% | 4.9\% | 5.4\% | 4.4\% |
| 5:00-6:00 PM | 6.7\% | 6.9\% | 6.5\% | 8.4\% | 8.7\% | 8.1\% | 9.9\% | 10.7\% | 9.2\% | 7.2\% | 7.3\% | 7.0\% | 6.4\% | 7.1\% | 5.7\% |
| 5:15-6:15 PM | 7.0\% | 7.2\% | 6.8\% | 8.5\% | 8.6\% | 8.5\% | 10.3\% | 10.5\% | 10.1\% | 7.3\% | 7.8\% | 6.8\% | 6.9\% | 7.5\% | 6.4\% |
| 5:30-6:30 PM | 7.3\% | 7.4\% | 7.1\% | 8.6\% | 8.7\% | 8.5\% | 10.3\% | 10.7\% | 9.8\% | 7.4\% | 8.0\% | 6.8\% | 8.2\% | 8.6\% | 7.7\% |
| 5:45-6:45 PM | 7.4\% | 7.4\% | 7.3\% | 8.3\% | 8.0\% | 8.6\% | 11.1\% | 11.0\% | 11.1\% | 7.7\% | 8.5\% | 7.0\% | 9.0\% | 9.3\% | 8.7\% |
| 6:00-7:00 PM | 7.4\% | 7.4\% | 7.4\% | 8.2\% | 8.1\% | 8.3\% | 10.9\% | 10.4\% | 11.4\% | 8.1\% | 8.3\% | 7.9\% | 9.4\% | 9.3\% | 9.4\% |
| 6:15-7:15 PM | 7.3\% | 7.2\% | 7.3\% | 8.4\% | 8.3\% | 8.6\% | 10.8\% | 10.7\% | 10.9\% | 8.1\% | 8.3\% | 7.9\% | 9.7\% | 9.6\% | 9.7\% |
| 6:30-7.30 PM | 7.0\% | 6.8\% | 7.2\% | 8.3\% | 8.0\% | 8.6\% | 10.9\% | 10.5\% | 11.3\% | 7.9\% | 8.0\% | 7.8\% | 8.8\% | 9.1\% | 8.4\% |
| 6:45-7:45 PM | 6.7\% | 6.6\% | 6.9\% | 8.2\% | 8.0\% | 8.4\% | 10.6\% | 10.3\% | 11.0\% | 8.3\% | 7.8\% | 8.8\% | 8.2\% | 8.3\% | 8.0\% |
| 7:00-8:00 PM | 6.5\% | 6.3\% | 6.6\% | 8.0\% | 7.6\% | 8.4\% | 10.6\% | 10.5\% | 10.7\% | 8.2\% | 8.5\% | 7.8\% | 7.6\% | 7.5\% | 7.8\% |
| 7:15-8:15 PM | 6.2\% | 6.0\% | 6.4\% | 7.6\% | 7.5\% | 7.6\% | 10.2\% | 10.0\% | 10.5\% | 8.6\% | 8.1\% | 9.2\% | 8.3\% | 9.1\% | 7.4\% |
| 7:30-8:30 PM | 6.0\% | 5.9\% | 6.2\% | 7.5\% | 7.6\% | 7.3\% | 9.6\% | 9.3\% | 9.9\% | 8.8\% | 8.7\% | 9.0\% | 9.8\% | 9.8\% | 9.9\% |
| 7:45-8:45 PM | 5.9\% | 5.8\% | 6.1\% | 7.5\% | 7.5\% | 7.4\% | 8.5\% | 8.1\% | 8.9\% | 7.8\% | 8.1\% | 7.5\% | 9.8\% | 9.4\% | 10.3\% |
| 8:00-9:00 PM | 5.7\% | 5.6\% | 5.8\% | 7.3\% | 7.5\% | 7.2\% | 7.6\% | 7.0\% | 8.3\% | 8.6\% | 8.1\% | 9.1\% | 9.7\% | 9.0\% | 10.5\% |
| 8:15-9:15 PM | 5.5\% | 5.3\% | 5.7\% | 7.1\% | 6.9\% | 7.3\% | 6.8\% | 6.0\% | 7.7\% | 9.1\% | 9.4\% | 8.9\% | 9.1\% | 7.9\% | 10.2\% |
| 8:30-9:30 PM | 5.3\% | 5.0\% | 5.5\% | 7.0\% | 6.9\% | 7.1\% | 5.6\% | 4.8\% | 6.5\% | 9.0\% | 8.8\% | 9.2\% | 8.5\% | 8.7\% | 8.4\% |
| 8:45-9:45 PM | 4.8\% | 4.6\% | 4.9\% | 6.9\% | 7.0\% | 6.9\% | 4.8\% | 4.4\% | 5.3\% | 9.5\% | 9.3\% | 9.7\% | 9.1\% | 10.5\% | 7.6\% |
| 9:00-10:00 PM | 4.4\% | 4.1\% | 4.6\% | 6.7\% | 6.4\% | 7.0\% | 4.0\% | 3.7\% | 4.4\% | 8.9\% | 8.6\% | 9.2\% | 10.0\% | 11.6\% | 8.4\% |
| 9:15-10:15 PM | 3.9\% | 3.7\% | 4.2\% | 6.1\% | 5.8\% | 6.5\% | 3.1\% | 2.6\% | 3.7\% | 8.0\% | 7.8\% | 8.1\% | 12.0\% | 11.5\% | 12.5\% |
| 9:30-10:30 PM | 3.4\% | 3.2\% | 3.6\% | 5.2\% | 4.6\% | 5.9\% | 2.5\% | 2.0\% | 3.0\% | 7.6\% | 7.9\% | 7.4\% | 10.8\% | 9.7\% | 11.8\% |
| 9:45-10:45 PM | 3.1\% | 2.9\% | 3.4\% | 4.0\% | 3.2\% | 4.8\% | 1.8\% | 1.4\% | 2.2\% | 8.8\% | 8.8\% | 8.8\% | 10.2\% | 8.6\% | 11.7\% |
| 10:00-11:00 PM | 2.7\% | 2.5\% | 2.9\% | 3.2\% | 2.6\% | 3.8\% | 1.4\% | 0.9\% | 1.8\% | 9.4\% | 9.6\% | 9.1\% | 8.7\% | 7.2\% | 10.1\% |
| 10:15-11:15 PM | 2.3\% | 2.1\% | 2.5\% | 2.7\% | 2.2\% | 3.2\% | 1.0\% | 0.9\% | 1.1\% | 10.0\% | 9.5\% | 10.6\% | 5.5\% | 5.2\% | 5.7\% |
| 10:30-11:30 PM | 2.1\% | 1.9\% | 2.2\% | 2.0\% | 1.7\% | 2.3\% | 0.8\% | 0.9\% | 0.8\% | 9.8\% | 8.6\% | 11.1\% | 6.0\% | 6.0\% | 5.9\% |
| 10:45-11:45 PM | 1.8\% | 1.6\% | 1.9\% | 1.8\% | 1.5\% | 2.1\% | 0.8\% | 0.6\% | 1.1\% | 7.2\% | 6.3\% | 8.0\% | 5.4\% | 5.1\% | 5.7\% |
| 11:00-12:00 AM | 1.6\% | 1.4\% | 1.8\% | 1.4\% | 1.1\% | 1.6\% | 0.6\% | 0.5\% | 0.8\% | 5.3\% | 4.5\% | 6.1\% | 5.0\% | 4.9\% | 5.1\% |
| 11:15-12:15 AM | 1.4\% | 1.2\% | 1.5\% | 1.0\% | 0.9\% | 1.2\% | 0.5\% | 0.3\% | 0.6\% | 2.9\% | 2.5\% | 3.3\% | 4.6\% | 4.4\% | 4.8\% |
| 11:30-12:30 AM | 1.2\% | 1.1\% | 1.2\% | 1.0\% | 0.8\% | 1.2\% | 0.4\% | 0.2\% | 0.6\% | 1.5\% | 1.5\% | 1.5\% | 2.6\% | 2.1\% | 3.1\% |
| 11:45-12:45 AM | 1.0\% | 0.9\% | 1.0\% | 0.6\% | 0.5\% | 0.6\% | 0.3\% | 0.3\% | 0.3\% | 1.0\% | 0.9\% | 1.1\% | 1.8\% | 1.3\% | 2.4\% |


| Hourly Distribution of Entering and Exiting Vehide Trips by Land Use |  |  |  | Hourly Distribution of Entering and Exiting Vehide Trips by Land Use |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Source: ITE Trip Generation Manual , 11th Edition |  |  |  | Source: ITE Trip Generation Manual , 11th Edition |  |  |  |
| Land Use Code |  | 945 |  | Land Use Code |  | 945 |  |
| Land Use | Convenience Store/Gas Station |  |  | Land Use | Convenience Store/Gas Station |  |  |
| Subcategory | $\overline{\text { GFA }(2-4 k)}$ |  |  | Subcategory | GFA (4-10k) |  |  |
| Setting | General Urban/Suburban |  |  | Setting | General Urban/Suburban |  |  |
| Time Period | Weekday |  |  | Time Period | Weekday |  |  |
| \#Data Sites | 38 |  |  | \#Data Sites | 5 |  |  |
|  | \% of 24-Hour Vehicle Trips |  |  |  | \% of 24-Hour Vehicle Trips |  |  |
| Time | Total | Entering | Exiting | Time | Total | Entering | Exiting |
| 12:00-1:00 AM | 0.9\% | 0.9\% | 0.9\% | 12:00-1:00 AM | 1.3\% | 1.2\% | 1.3\% |
| 1:00-2:00 AM | 0.5\% | 0.5\% | 0.5\% | 1:00-2:00 AM | 0.8\% | 0.8\% | 0.9\% |
| 2:00-3:00 AM | 0.5\% | 0.4\% | 0.5\% | 2:00-3:00 AM | 0.6\% | 0.6\% | 0.6\% |
| 3:00-4:00 AM | 0.5\% | 0.5\% | 0.6\% | 3:00-4:00 AM | 0.8\% | 0.8\% | 0.7\% |
| 4:00-5:00 AM | 1.0\% | 1.0\% | 1.1\% | 4:00-5:00 AM | 1.5\% | 1.6\% | 1.5\% |
| 5:00-6:00 AM | 2.3\% | 2.3\% | 2.2\% | 5:00-6:00 AM | 3.1\% | 3.1\% | 3.0\% |
| 6:00-7:00 AM | 4.6\% | 4.7\% | 4.5\% | 6:00-7:00 AM | 4.6\% | 4.7\% | 4.5\% |
| 7:00-8:00 AM | 6.2\% | 6.2\% | 6.1\% | 7:00-8:00 AM | 5.9\% | 6.0\% | 5.9\% |
| 8:00-9:00 AM | 5.9\% | 5.8\% | 5.9\% | 8:00-9:00 AM | 6.5\% | 6.5\% | 6.4\% |
| 9:00-10:00 AM | 5.0\% | 5.0\% | 5.1\% | 9:00-10:00 AM | 5.7\% | 5.6\% | 5.7\% |
| 10:00-11:00 AM | 5.2\% | 5.2\% | 5.2\% | 10:00-11:00 AM | 5.3\% | 5.3\% | 5.3\% |
| 11:00-12:00 PM | 5.3\% | 5.3\% | 5.2\% | 11:00-12:00 PM | 5.8\% | 5.8\% | 5.7\% |
| 12:00-1:00 PM | 5.8\% | 5.8\% | 5.8\% | 12:00-1:00 PM | 6.6\% | 6.6\% | 6.6\% |
| 1:00-2:00 PM | 5.4\% | 5.4\% | 5.3\% | 1:00-2:00 PM | 6.1\% | 6.2\% | 5.9\% |
| 2:00-3:00 PM | 5.9\% | 6.1\% | 5.8\% | 2:00-2:00 PM | 61\% | $60 \%$ | 62\% |
| 3:00-4:00 PM | 6.5\% | 6.5\% | 6.4\% | 3:00-4:00 PM | 6.8\% | 6.8\% | 6.8\% |
| 4:00-5:00 PM | 7.1\% | 7.2\% | 7.1\% | 4.00-5.00 PTV | 6.4\% | 0.3\% | 6.5\% |
| 5:00-6:00 PM | 6.9\% | 7.0\% | 6.9\% | 5:00-6:00 PM | 6.8\% | 6.7\% | 6.9\% |
| 6:00-7:00 PM | 6.5\% | 6.5\% | 6.6\% | 6:00-7:00 PM | 5.4\% | 5.3\% | 5.4\% |
| 7:00-8:00 PM | 5.3\% | 5.3\% | 5.3\% | 7:00-8:00 PM | 4.0\% | 3.9\% | 4.0\% |
| 8:00-9:00 PM | 4.4\% | 4.3\% | 4.5\% | 8:00-9:00 PM | 3.4\% | 3.4\% | 3.4\% |
| 9:00-10:00 PM | 3.7\% | 3.7\% | 3.7\% | 9:00-10:00 PM | 2.7\% | 2.8\% | 2.7\% |
| 10:00-11:00 PM | 2.8\% | 2.7\% | 2.8\% | 10:00-11:00 PM | 2.1\% | 2.1\% | 2.1\% |
| 11:00-12:00 AM | 1.9\% | 1.8\% | 1.9\% | 11:00-12:00 AM | 1.9\% | 1.9\% | 2.0\% |
|  |  |  |  |  |  |  |  |
| 12:00-1:00 AM | 0.9\% | 0.9\% | 0.9\% | 12:00-1:00 AM | 1.3\% | 1.2\% | 1.3\% |
| 12:15-1:15 AM | 0.8\% | 0.7\% | 0.8\% | 12:15-1:15 AM | 1.1\% | 1.1\% | 1.2\% |


| 12:30-1:30 AM | 0.6\% | 0.6\% | 0.7\% | 12:30-1:30 AM | 1.0\% | 0.9\% | 1.0\% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12:45-1:45 AM | 0.5\% | 0.5\% | 0.6\% | 12:45-1:45 AM | 0.9\% | 0.9\% | 0.9\% |
| 1:00-2:00 AM | 0.5\% | 0.5\% | 0.5\% | 1:00-2:00 AM | 0.8\% | 0.8\% | 0.9\% |
| 1:15-2:15 AM | 0.5\% | 0.5\% | 0.5\% | 1:15-2:15 AM | 0.7\% | 0.6\% | 0.7\% |
| 1:30-2:30 AM | 0.5\% | 0.5\% | 0.5\% | 1:30-2:30 AM | 0.6\% | 0.6\% | 0.7\% |
| 1:45-2:45 AM | 0.5\% | 0.5\% | 0.5\% | 1:45-2:45 AM | 0.5\% | 0.5\% | 0.5\% |
| 2:00-3:00 AM | 0.5\% | 0.4\% | 0.5\% | 2:00-3:00 AM | 0.6\% | 0.6\% | 0.6\% |
| 2:15-3:15 AM | 0.4\% | 0.4\% | 0.4\% | 2:15-3:15 AM | 0.7\% | 0.7\% | 0.7\% |
| 2:30-3:30 AM | 0.4\% | 0.4\% | 0.4\% | 2:30-3:30 AM | 0.7\% | 0.8\% | 0.7\% |
| 2:45-3:45 AM | 0.5\% | 0.5\% | 0.5\% | 2:45-3:45 AM | 0.8\% | 0.7\% | 0.8\% |
| 3:00-4:00 AM | 0.5\% | 0.5\% | 0.6\% | 3:00-4:00 AM | 0.8\% | 0.8\% | 0.7\% |
| 3:15-4:15 AM | 0.6\% | 0.6\% | 0.7\% | 3:15-4:15 AM | 0.8\% | 0.9\% | 0.8\% |
| 3:30-4:30 AM | 0.8\% | 0.7\% | 0.8\% | 3:30-4:30 AM | 1.0\% | 1.0\% | 1.0\% |
| 3:45-4:45 AM | 0.9\% | 0.8\% | 0.9\% | 3:45-4:45 AM | 1.2\% | 1.3\% | 1.2\% |
| 4:00-5:00 AM | 1.0\% | 1.0\% | 1.1\% | 4:00-5:00 AM | 1.5\% | 1.6\% | 1.5\% |
| 4:15-5:15 AM | 1.3\% | 1.2\% | 1.3\% | 4:15-5:15 AM | 1.9\% | 1.9\% | 1.8\% |
| 4:30-5:30 AM | 1.5\% | 1.5\% | 1.5\% | 4:30-5:30 AM | 2.3\% | 2.4\% | 2.2\% |
| 4:45-5:45 AM | 1.9\% | 1.9\% | 1.9\% | 4:45-5:45 AM | 2.7\% | 2.8\% | 2.6\% |
| 5:00-6:00 AM | 2.3\% | 2.3\% | 2.2\% | 5:00-6:00 AM | 3.1\% | 3.1\% | 3.0\% |
| 5:15-6:15 AM | 3.0\% | 3.0\% | 2.9\% | 5:15-6:15 AM | 3.5\% | 3.7\% | 3.3\% |
| 5:30-6:30 AM | 3.6\% | 3.7\% | 3.5\% | 5:30-6:30 AM | 4.0\% | 4.0\% | 3.9\% |
| 5:45-6:45 AM | 4.1\% | 4.2\% | 4.0\% | 5:45-6:45 AM | 4.2\% | 4.3\% | 4.1\% |
| 6:00-7:00 AM | 4.6\% | 4.7\% | 4.5\% | 6:00-7:00 AM | 4.6\% | 4.7\% | 4.5\% |
| 6:15-7:15 AM | 5.0\% | 5.0\% | 5.0\% | 6:15-7:15 AM | 5.0\% | 5.0\% | 5.0\% |
| 6:30-7:30 AM | 5.3\% | 5.3\% | 5.3\% | 6:30-7:30 AM | 5.1\% | 5.2\% | 5.1\% |
| 6:45-7:45 AM | 5.8\% | 5.8\% | 5.8\% | 6:45-7:45 AM | 5.6\% | 5.7\% | 5.5\% |
| 7:00-8:00 AM | 6.2\% | 6.2\% | 6.1\% | 7:00-8:00 AM | 5.9\% | 6.0\% | 5.9\% |
| 7:15-8:15 AM | 6.3\% | 6.3\% | 6.2\% | 7:15-8:15 AM | 6.2\% | 6.2\% | 6.2\% |
| 7:30-8:30 AM | 6.3\% | 6.3\% | 6.3\% | 7:30-8:30 AM | 6.6\% | 6.5\% | 6.6\% |
| 7:45-8:45 AM | 6.2\% | 6.2\% | 6.2\% | 7:45-8:45 AM | 6.5\% | 6.6\% | 6.5\% |
| 8:00-9:00 AM | 5.9\% | 5.8\% | 5.9\% | 8:00-9:00 AM | 6.5\% | 6.5\% | 6.4\% |
| 8:15-9:15 AM | 5.7\% | 5.6\% | 5.7\% | 8:15-9:15 AM | 6.2\% | 6.3\% | 6.2\% |
| 8:30-9:30 AM | 5.4\% | 5.4\% | 5.5\% | 8:30-9:30 AM | 6.1\% | 6.1\% | 6.1\% |
| 8:45-9:45 AM | 5.2\% | 5.1\% | 5.2\% | 8:45-9:45 AM | 5.9\% | 5.8\% | 6.0\% |
| 9:00-10:00 AM | 5.0\% | 5.0\% | 5.1\% | 9:00-10:00 AM | 5.7\% | 5.6\% | 5.7\% |
| 9:15-10:15 AM | 5.0\% | 5.1\% | 5.0\% | 9:15-10:15 AM | 5.3\% | 5.3\% | 5.3\% |
| 9:30-10:30 AM | 5.0\% | 5.0\% | 5.0\% | 9:30-10:30 AM | 5.2\% | 5.3\% | 5.1\% |
| 9:45-10:45 AM | 5.1\% | 5.1\% | 5.0\% | 9:45-10:45 AM | 5.4\% | 5.4\% | 5.3\% |
| 10:00-11:00 AM | 5.2\% | 5.2\% | 5.2\% | 10:00-11:00 AM | 5.3\% | 5.3\% | 5.3\% |
| 10:15-11:15 AM | 5.1\% | 5.1\% | 5.1\% | 10:15-11:15 AM | 5.6\% | 5.6\% | 5.5\% |


| 10:30-11:30 AM | 5.2\% | 5.2\% | 5.1\% | 10:30-11:30 AM | 5.6\% | 5.7\% | 5.6\% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10:45-11:45 AM | 5.2\% | 5.2\% | 5.1\% | 10:45-11:45 AM | 5.6\% | 5.6\% | 5.5\% |
| 11:00-12:00 PM | 5.3\% | 5.3\% | 5.2\% | 11:00-12:00 PM | 5.8\% | 5.8\% | 5.7\% |
| 11:15-12:15 PM | 5.6\% | 5.7\% | 5.5\% | 11:15-12:15 PM | 5.9\% | 6.1\% | 5.7\% |
| 11:30-12:30 PM | 5.7\% | 5.7\% | 5.6\% | 11:30-12:30 PM | 6.1\% | 6.2\% | 6.0\% |
| 11:45-12:45 PM | 5.8\% | 5.9\% | 5.7\% | 11:45-12:45 PM | 6.4\% | 6.4\% | 6.4\% |
| 12:00-1:00 PM | 5.8\% | 5.8\% | 5.8\% | 12:00-1:00 PM | 6.6\% | 6.6\% | 6.6\% |
| 12:15-1:15 PM | 5.5\% | 5.5\% | 5.6\% | 12:15-1:15 PM | 6.4\% | 6.3\% | 6.5\% |
| 12:30-1:30 PM | 5.5\% | 5.5\% | 5.5\% | 12:30-1:30 PM | 6.4\% | 6.3\% | 6.4\% |
| 12:45-1:45 PM | 5.4\% | 5.4\% | 5.4\% | 12:45-1:45 PM | 6.2\% | 6.3\% | 6.1\% |
| 1:00-2:00 PM | 5.4\% | 5.4\% | 5.3\% | 1:00-2:00 PM | 6.1\% | 6.2\% | 5.9\% |
| 1:15-2:15 PM | 5.4\% | 5.5\% | 5.4\% | 1:15-2:15 PM | 6.1\% | 6.1\% | 6.1\% |
| 1:30-2:30 PM | 5.6\% | 5.7\% | 5.5\% | 1:30-2:30 PM | 6.1\% | 6.1\% | 6.2\% |
| 1:45-2:45 PM | 5.8\% | 5.9\% | 5.7\% | 1:45-2:45 PM | 6.2\% | 6.3\% | 6.2\% |
| 2:00-3:00 PM | 5.9\% | 6.1\% | 5.8\% | 2:00-3:00 PM | 6.1\% | 6.0\% | 6.2\% |
| 2:15-3:15 PM | 6.1\% | 6.2\% | 6.1\% | 2:15-3:15 PM | 6.3\% | 6.4\% | 6.2\% |
| 2:30-3:30 PM | 6.2\% | 6.2\% | 6.1\% | 2:30-3:30 PM | 6.3\% | 6.3\% | 6.3\% |
| 2:45-3:45 PM | 6.3\% | 6.4\% | 6.2\% | 2:45-3:45 PM | 6.4\% | 6.4\% | 6.5\% |
| 3:00-4:00 PM | 6.5\% | 6.5\% | 6.4\% | 3:00-4:00 PM | 6.8\% | 6.8\% | 6.8\% |
| 3:15-4:15 PM | 6.8\% | 6.9\% | 6.7\% | 3:15-4:15 PM | 6.9\% | 6.7\% | 7.1\% |
| 3:30-4:30 PM | 7.0\% | 7.1\% | 6.9\% | 3:30-4:30 PM | 6.9\% | 6.7\% | 7.1\% |
| 3:45-4:45 PM | 7.1\% | 7.2\% | 7.0\% | 3:45-4:45 PM | 6.6\% | 6.5\% | 6.8\% |
| 4:00-5:00 PM | 7.1\% | 7.2\% | 7.1\% | 4:00-5:00 PM | 6.4\% | 6.3\% | 6.5\% |
| 4:15-5:15 PM | 7.0\% | 7.0\% | 6.9\% | 4:15-5:15 PM | 6.5\% | 6.6\% | 6.4\% |
| 4:30-5:30 PM | 7.0\% | 7.1\% | 6.9\% | 4:30-5:30 PM | 6.6\% | 6.6\% | 6.5\% |
| 4:45-5:45 PM | 7.0\% | 7.0\% | 7.0\% | 4:45-5:45 PM | 6.8\% | 6.8\% | 6.8\% |
| 5:00-6:00 PM | 6.9\% | 7.0\% | 6.9\% | 5:00-6:00 PM | 6.8\% | 6.7\% | 6.9\% |
| 5:15-6:15 PM | 6.9\% | 6.9\% | 6.9\% | 5:15-6:15 PM | 6.4\% | 6.2\% | 6.5\% |
| 5:30-6:30 PM | 6.7\% | 6.7\% | 6.8\% | 5:30-6:30 PM | 6.1\% | 5.9\% | 6.2\% |
| 5:45-6:45 PM | 6.6\% | 6.6\% | 6.6\% | 5:45-6:45 PM | 5.7\% | 5.6\% | 5.8\% |
| 6:00-7:00 PM | 6.5\% | 6.5\% | 6.6\% | 6:00-7:00 PM | 5.4\% | 5.3\% | 5.4\% |
| 6:15-7:15 PM | 6.3\% | 6.3\% | 6.3\% | 6:15-7:15 PM | 4.9\% | 4.8\% | 5.0\% |
| 6:30-7:30 PM | 6.0\% | 6.0\% | 6.0\% | 6:30-7:30 PM | 4.6\% | 4.5\% | 4.7\% |
| 6:45-7:45 PM | 5.6\% | 5.5\% | 5.7\% | 6:45-7:45 PM | 4.1\% | 4.0\% | 4.2\% |
| 7:00-8:00 PM | 5.3\% | 5.3\% | 5.3\% | 7:00-8:00 PM | 4.0\% | 3.9\% | 4.0\% |
| 7:15-8:15 PM | 5.0\% | 5.0\% | 5.1\% | 7:15-8:15 PM | 4.1\% | 4.1\% | 4.1\% |
| 7:30-8:30 PM | 4.8\% | 4.7\% | 4.8\% | 7:30-8:30 PM | 3.9\% | 3.9\% | 3.9\% |
| 7:45-8:45 PM | 4.6\% | 4.6\% | 4.6\% | 7:45-8:45 PM | 3.7\% | 3.7\% | 3.7\% |
| 8:00-9:00 PM | 4.4\% | 4.3\% | 4.5\% | 8:00-9:00 PM | 3.4\% | 3.4\% | 3.4\% |
| 8:15-9:15 PM | 4.2\% | 4.1\% | 4.3\% | 8:15-9:15 PM | 3.0\% | 3.0\% | 3.0\% |


| 8:30-9:30 PM | 4.1\% | 4.0\% | 4.2\% | 8:30-9:30 PM | 2.9\% | 2.9\% | 2.8\% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8:45-9:45 PM | 4.0\% | 3.9\% | 4.0\% | 8:45-9:45 PM | 2.8\% | 2.8\% | 2.8\% |
| 9:00-10:00 PM | 3.7\% | 3.7\% | 3.7\% | 9:00-10:00 PM | 2.7\% | 2.8\% | 2.7\% |
| 9:15-10:15 PM | 3.5\% | 3.5\% | 3.5\% | 9:15-10:15 PM | 2.5\% | 2.5\% | 2.5\% |
| 9:30-10:30 PM | 3.2\% | 3.2\% | 3.2\% | 9:30-10:30 PM | 2.5\% | 2.5\% | 2.4\% |
| 9:45-10:45 PM | 2.9\% | 2.9\% | 2.9\% | 9:45-10:45 PM | 2.3\% | 2.4\% | 2.2\% |
| 10:00-11:00 PM | 2.8\% | 2.7\% | 2.8\% | 10:00-11:00 PM | 2.1\% | 2.1\% | 2.1\% |
| 10:15-11:15 PM | 2.5\% | 2.4\% | 2.5\% | 10:15-11:15 PM | 2.1\% | 2.2\% | 2.0\% |
| 10:30-11:30 PM | 2.3\% | 2.2\% | 2.3\% | 10:30-11:30 PM | 2.0\% | 2.0\% | 2.0\% |
| 10:45-11:45 PM | 2.1\% | 2.0\% | 2.2\% | 10:45-11:45 PM | 1.9\% | 1.8\% | 2.0\% |
| 11:00-12:00 AM | 1.9\% | 1.8\% | 1.9\% | 11:00-12:00 AM | 1.9\% | 1.9\% | 2.0\% |
| 11:15-12:15 AM | 1.6\% | 1.6\% | 1.6\% | 11:15-12:15 AM | 1.7\% | 1.7\% | 1.8\% |
| 11:30-12:30 AM | 1.3\% | 1.3\% | 1.4\% | 11:30-12:30 AM | 1.6\% | 1.5\% | 1.8\% |
| 11:45-12:45 AM | 1.1\% | 1.1\% | 1.1\% | 11:45-12:45 AM | 1.5\% | 1.5\% | 1.6\% |

## Attachment C <br> Internal Capture Calculation Worksheets

# Intemal Capture Reduction Calalations 

M ethodology for A.M. Peak Hour and P.M. Peak Hour based on the Trip Generation Handbook, 3rd Edition, published by the Institute of Transportation Engineers

M ethodology for Daily
based on the average of the Unconstrained Rates for the A.M. Peak Hour and P.M . Peak Hour

## SUMMARY




|  | Office |  | 759 | 88 | 0 | 0 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Retail | 0 |  | 277 | 0 | 0 | 0 |
|  | Restaurant | 0 | 1,101 |  | 0 | 0 | 0 |
|  | Cinema/Entertainment | 0 | 76 | 11 |  | 0 | 0 |
|  | Residential | 0 | 512 | 119 | 0 |  | 0 |
|  | Hotel | 0 | 114 | 39 | 0 | 0 |  |
| *** M INIM UM *** |  |  |  |  |  |  |  |
|  | (Exit) | (Enter) Land Use |  |  |  |  |  |
|  | Land Use | Office | Retail | Restaurant | Cinema/Ent. | Residential | Hotel |
|  | Office |  | 0 | 0 | 0 | 0 | 0 |
|  | Retail | 0 |  | 277 | 0 | 0 | 0 |
|  | Restaurant | 0 | 193 |  | 0 | 0 | 0 |
| - | Cinema/Entertainment | 0 | 0 | 0 |  | 0 | 0 |
|  | Residential | 0 | 0 | 0 | 0 |  | 0 |
|  | Hotel | 0 | 0 | 0 | 0 | 0 |  |
| INTERNAL TRIPS |  |  |  |  |  |  |  |
|  | Land Use | Daily |  |  |  |  |  |
|  | Land Use | Enter | Exit |  |  |  |  |
|  | Office | 0 | 0 |  |  |  |  |
| E | Retail | 193 | 277 |  |  |  |  |
|  | Restaurant | 277 | 193 |  |  |  |  |
|  | Cinema/Entertainment | 0 | 0 |  |  |  |  |
|  | Residential | 0 | 0 |  |  |  |  |
|  | Hotel | 0 | 0 |  |  |  |  |
|  |  | 470 | 470 |  |  |  |  |

## A.M. PEAKHOUR

GROSS TRIP GENERATION


Table 6.2 Unconstrained Internal Person Trip Capture Rates for Trip Destinations within a M ixed-Use Development (A.M. Peak Hour)

| Origin <br> Land Use | Destination Land Use |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Office | Retail | Restaurant | Cinema/Ent. | Residential | Hotel |
|  |  | $32 \%$ | $23 \%$ | $0 \%$ | $0 \%$ | $0 \%$ |
| Retail | $4 \%$ |  | $50 \%$ | $0 \%$ | $2 \%$ | $0 \%$ |
| Restaurant | $14 \%$ | $8 \%$ |  | $0 \%$ | $5 \%$ | $4 \%$ |
|  | $0 \%$ | $0 \%$ | $0 \%$ |  | $0 \%$ | $0 \%$ |
| Cinema/Entertainment | $0 \%$ | $17 \%$ | $20 \%$ | $0 \%$ |  | $0 \%$ |
| Residential | $3 \%$ | $6 \%$ | $0 \%$ | $0 \%$ |  |  |
| Hotel | $3 \%$ | $4 \%$ | $6 \%$ |  |  |  |

*** BASED ON EXIT ${ }^{* * *}$

| $\frac{Y}{1}$ | $\begin{gathered} \text { (Exit) } \\ \text { Land Use } \end{gathered}$ | (Enter) Land Use |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Office | Retail | Restaurant | Cinema/Ent. | Residential | Hotel |
| II | Office |  | 0 | 0 | 0 | 0 | 0 |
| $\square$ | Retail | 78 |  | 35 | 0 | 38 | 0 |
| 5 | Restaurant | 20 | 9 |  | 0 | 3 | 2 |
|  | Cinema/Entertainment | 0 | 0 | 0 |  | 0 | 0 |
| 4 | Residential | 0 | 0 | 0 | 0 |  | 0 |
|  | Hotel | 0 | 0 | 0 | 0 | 0 |  |

*** BASED ON ENTER ${ }^{* * *}$

| (Exit) <br> Land Use | (Enter) Land Use |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Office | Retail | Restaurant | Cinema/Ent. | Residential | Hotel |


| $4$ | Office |  | 86 | 16 | 0 | 0 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Retail | 0 |  | 34 | 0 | 0 | 0 |
|  | Restaurant | 0 | 22 |  | 0 | 0 | 0 |
|  | Cinema/Entertainment | 0 | 0 | 0 |  | 0 | 0 |
|  | Residential | 0 | 46 | 14 | 0 |  | 0 |
|  | Hotel | 0 | 11 | 4 | 0 | 0 |  |
| *** M INIM UM *** |  |  |  |  |  |  |  |
|  | (Exit) | (Enter) Land Use |  |  |  |  |  |
| $\underline{1}$ | Land Use | Office | Retail | Restaurant | Cinema/Ent. | Residential | Hotel |
| I | Office |  | 0 | 0 | 0 | 0 | 0 |
| $\square$ | Retail | 0 |  | 34 | 0 | 0 | 0 |
|  | Restaurant | 0 | 9 |  | 0 | 0 | 0 |
| 2 | Cinema/Entertainment | 0 | 0 | 0 |  | 0 | 0 |
|  | Residential | 0 | 0 | 0 | 0 |  | 0 |
|  | Hotel | 0 | 0 | 0 | 0 | 0 |  |
| INTERNAL TRIPS |  |  |  |  |  |  |  |
| 244444 | Land Use | A. M. Peak Hour |  |  |  |  |  |
|  |  | Enter | Exit |  |  |  |  |
|  | Office | 0 | 0 |  |  |  |  |
|  | Retail | 9 | 34 |  |  |  |  |
|  | Restaurant | 34 | 9 |  |  |  |  |
|  | Cinema/Entertainment | 0 | 0 |  |  |  |  |
|  | Residential | 0 | 0 |  |  |  |  |
|  | Hotel | 0 | 0 |  |  |  |  |
|  |  | 43 | 43 |  |  |  |  |

## P.M. PEAKHOUR

| Land Use | P.M. Peak Hour |  |
| :---: | :---: | :---: |
|  | Enter | Exit |
| Office | 0 | 0 |
| Retail | 234 | 233 |
| Restaurant | 51 | 48 |
|  | 0 | 0 |
| Cinema/Entertainment | 0 | 0 |
| Residential | 0 | 0 |
| Hotel | 285 | 281 |

Table 6.1 Unconstrained Internal Person Trip Capture Rates for Trip Origins within a M ixed-Use Development (P.M. Peak Hour)

| Origin <br> Land Use | Destination Land Use |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Office | Retail | Restaurant | Cinema/Ent. | Residential | Hotel |
|  |  | $20 \%$ | $4 \%$ | $0 \%$ | $2 \%$ | $0 \%$ |
| Retail | $2 \%$ |  | $29 \%$ | $4 \%$ | $26 \%$ | $5 \%$ |
| Restaurant | $3 \%$ | $41 \%$ |  | $8 \%$ | $18 \%$ | $7 \%$ |
|  | $2 \%$ | $21 \%$ | $31 \%$ |  | $8 \%$ | $2 \%$ |
| Cinema/Entertainment | $2 \%$ | $42 \%$ | $21 \%$ | $0 \%$ |  | $3 \%$ |
| Residential | $4 \%$ | $16 \%$ | $68 \%$ | $0 \%$ | $2 \%$ |  |

Table 6.2 Unconstrained Internal Person Trip Capture Rates
for Trip Destinations within a Mixed-Use Development (P.M. Peak Hour)

| $\begin{gathered} \hline \text { Origin } \\ \text { Land Use } \end{gathered}$ | Destination Land Use |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Office | Retail | Restaurant | Cinema/Ent. | Residential | Hotel |
| Office |  | 8\% | 2\% | 1\% | 4\% | 0\% |
| Retail | 31\% |  | 29\% | 26\% | 46\% | 17\% |
| Restaurant | 30\% | 50\% |  | 32\% | 16\% | 71\% |
| Cinema/Entertainment | 6\% | 4\% | 3\% |  | 4\% | 1\% |
| Residential | 57\% | 10\% | 14\% | 0\% |  | 12\% |
| Hotel | 0\% | 2\% | 5\% | 0\% | 0\% |  |

*** BASED ON EXIT ${ }^{* * *}$

| $\stackrel{1}{4}$ | $\begin{gathered} \hline \text { (Exit) } \\ \text { Land Use } \end{gathered}$ | (Enter) Land Use |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Office | Retail | Restaurant | Cinema/Ent. | Residential | Hotel |
| II | Office |  | 0 | 0 | 0 | 0 | 0 |
| - | Retail | 5 |  | 68 | 9 | 61 | 12 |
| $\underline{1}$ | Restaurant | 1 | 20 |  | 4 | 9 | 3 |
| $\square$ | Cinema/Entertainment | 0 | 0 | 0 |  | 0 | 0 |
| ロ | Residential | 0 | 0 | 0 | 0 |  | 0 |
|  | Hotel | 0 | 0 | 0 | 0 | 0 |  |

*** BASED ON ENTER ***

| (Exit) <br> Land Use | (Enter) Land Use |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Office | Retail | Restaurant | Cinema/Ent. | Residential | Hotel |


| $\frac{14}{4}$ | Office |  | 19 | 1 | 0 | 0 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Retail | 0 |  | 15 | 0 | 0 | 0 |
|  | Restaurant | 0 | 117 |  | 0 | 0 | 0 |
|  | Cinema/Entertainment | 0 | 9 | 2 |  | 0 | 0 |
|  | Residential | 0 | 23 | 7 | 0 |  | 0 |
|  | Hotel | 0 | 5 | 3 | 0 | 0 |  |
| *** M INIM UM *** |  |  |  |  |  |  |  |
|  | (Exit) | (Enter) Land Use |  |  |  |  |  |
| $\underline{1}$ | Land Use | Office | Retail | Restaurant | Cinema/Ent. | Residential | Hotel |
| 1 | Office |  | 0 | 0 | 0 | 0 | 0 |
| - | Retail | 0 |  | 15 | 0 | 0 | 0 |
| 1 | Restaurant | 0 | 20 |  | 0 | 0 | 0 |
| 2 | Cinema/Entertainment | 0 | 0 | 0 |  | 0 | 0 |
| - | Residential | 0 | 0 | 0 | 0 |  | 0 |
|  | Hotel | 0 | 0 | 0 | 0 | 0 |  |
| INTERNAL TRIPS |  |  |  |  |  |  |  |
|  | Land Use | P.M. Peak Hour |  |  |  |  |  |
| $\underline{1}$ | Land Use | Enter | Exit |  |  |  |  |
| 1 | Office | 0 | 0 |  |  |  |  |
| -L | Retail | 20 | 15 |  |  |  |  |
|  | Restaurant | 15 | 20 |  |  |  |  |
|  | Cinema/Entertainment | 0 | 0 |  |  |  |  |
| - | Residential | 0 | 0 |  |  |  |  |
|  | Hotel | 0 | 0 |  |  |  |  |
|  |  | 35 | 35 |  |  |  |  |

# Intemal Capture Reduction Calalations 

M ethodology for A.M. Peak Hour and P.M. Peak Hour based on the Trip Generation Handbook, 3rd Edition, published by the Institute of Transportation Engineers

M ethodology for Daily
based on the average of the Unconstrained Rates for the A.M. Peak Hour and P.M. Peak Hour

## SUMMARY

| GROSSTRIP GENERATION |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Land Use | Daily |  | A.M. Peak Hour |  | P.M. Peak Hour |  |
|  |  | Enter | Exit | Enter | Exit | Enter | Exit |
|  | Office |  |  |  |  |  |  |
|  | Retail |  |  |  |  | 258 | 258 |
|  | Restaurant |  |  |  |  | 40 | 40 |
|  | Cinema/Entertainment |  |  |  |  |  |  |
|  | Residential |  |  |  |  |  |  |
|  | Hotel |  |  |  |  |  |  |
|  | 0 |  | 0 | 0 | 0 | 298 | 298 |
|  | INIERNALTRIPS |  |  |  |  |  |  |
|  | Land Use | Daily |  | A.M. Peak Hour |  | P.M. Peak Hour |  |
|  |  | Enter | Exit | Enter | Exit | Enter | Exit |
|  | Office | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Retail | 0 | 0 | 0 | 0 | 16 | 12 |
|  | Restaurant | 0 | 0 | 0 | 0 | 12 | 16 |
|  | Cinema/Entertainment | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Residential | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Hotel | 0 | 0 | 0 | 0 | 0 | 0 |
|  |  | 0 |  | 0 | 0 | 28 | 28 |
|  | Total \%Rechuction | 0.0\% |  | 0.0\% |  | 9.4\% |  |
|  | Office |  |  |  |  |  |  |
|  | Retail |  |  |  |  |  |  |
|  | Restaurant |  |  |  |  |  |  |
|  | Cinema/Entertainment |  |  |  |  |  |  |
|  | Residential |  |  |  |  |  |  |
|  | Hotel |  |  |  |  |  |  |
| EXIERNALTRIPS |  |  |  |  |  |  |  |
|  | Land Use | Daily |  | A.M. Peak Hour |  | P.M. Peak Hour |  |
|  |  | Enter | Exit | Enter | Exit | Enter | Exit |
|  | Office | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Retail | 0 | 0 | 0 | 0 | 242 | 246 |
|  | Restaurant | 0 | 0 | 0 | 0 | 28 | 24 |
|  | Cinema/Entertainment | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Residential | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Hotel | 0 | 0 | 0 | 0 | 0 | 0 |
|  | 0 |  | 0 | 0 | 0 | 270 | 270 |



|  | Office |  | 0 | 0 | 0 | 0 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Retail | 0 |  | 0 | 0 | 0 | 0 |
|  | Restaurant | 0 | 0 |  | 0 | 0 | 0 |
|  | Cinema/Entertainment | 0 | 0 | 0 |  | 0 | 0 |
|  | Residential | 0 | 0 | 0 | 0 |  | 0 |
|  | Hotel | 0 | 0 | 0 | 0 | 0 |  |
| *** M INIM UM *** |  |  |  |  |  |  |  |
|  | (Exit) | (Enter) Land Use |  |  |  |  |  |
|  | Land Use | Office | Retail | Restaurant | Cinema/Ent. | Residential | Hotel |
|  | Office |  | 0 | 0 | 0 | 0 | 0 |
|  | Retail | 0 |  | 0 | 0 | 0 | 0 |
|  | Restaurant | 0 | 0 |  | 0 | 0 | 0 |
| - | Cinema/Entertainment | 0 | 0 | 0 |  | 0 | 0 |
|  | Residential | 0 | 0 | 0 | 0 |  | 0 |
|  | Hotel | 0 | 0 | 0 | 0 | 0 |  |
| INTERNAL TRIPS |  |  |  |  |  |  |  |
|  | Land Use | Daily |  |  |  |  |  |
|  | Land Use | Enter | Exit |  |  |  |  |
|  | Office | 0 | 0 |  |  |  |  |
| E | Retail | 0 | 0 |  |  |  |  |
|  | Restaurant | 0 | 0 |  |  |  |  |
|  | Cinema/Entertainment | 0 | 0 |  |  |  |  |
|  | Residential | 0 | 0 |  |  |  |  |
|  | Hotel | 0 | 0 |  |  |  |  |
|  |  | 0 | 0 |  |  |  |  |

## A.M. PEAKHOUR

GROSS TRIP GENERATION

| Land Use | A.M. Peak Hour |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Enter | Exit |  |  |
| Office | 0 | 0 |  |  |
| Retail | 0 | 0 |  |  |
| Restaurant | 0 | 0 |  |  |
|  | 0 | 0 |  |  |
| Cinema/Entertainment | 0 | 0 |  |  |
| Residential | 0 | 0 |  |  |
| Hotel | 0 | 0 |  |  |
|  |  |  |  |  |

Table 6.1 Unconstrained Internal Person Trip Capture Rates for Trip Origins within a M ixed-Use Development (A.M. Peak Hour)

| Origin <br> Land Use | Destination Land Use |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Office | Retail | Restaurant | Cinema/Ent. | Residential | Hotel |
|  |  | $28 \%$ | $63 \%$ | $0 \%$ | $1 \%$ | $0 \%$ |
| Retail | $29 \%$ |  | $13 \%$ | $0 \%$ | $14 \%$ | $0 \%$ |
| Restaurant | $31 \%$ | $14 \%$ |  | $0 \%$ | $4 \%$ | $3 \%$ |
|  | $0 \%$ | $0 \%$ | $0 \%$ |  | $0 \%$ | $0 \%$ |
| Cinema/Entertainment | $0 \%$ | $1 \%$ | $20 \%$ | $0 \%$ |  | $0 \%$ |
| Residential | $2 \%$ | $14 \%$ | $9 \%$ | $0 \%$ | $0 \%$ |  |
| Hotel | $75 \%$ |  |  |  | $0 \%$ |  |

Table 6.2 Unconstrained Internal Person Trip Capture Rates for Trip Destinations within a Mixed-Use Development (A.M. Peak Hour)

| Origin <br> Land Use | Destination Land Use |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Office | Retail | Restaurant | Cinema/Ent. | Residential | Hotel |
|  |  | $32 \%$ | $23 \%$ | $0 \%$ | $0 \%$ | $0 \%$ |
| Retail | $4 \%$ |  | $50 \%$ | $0 \%$ | $2 \%$ | $0 \%$ |
| Restaurant | $14 \%$ | $8 \%$ |  | $0 \%$ | $5 \%$ | $4 \%$ |
|  | $0 \%$ | $0 \%$ | $0 \%$ |  | $0 \%$ | $0 \%$ |
| Cinema/Entertainment | $0 \%$ | $17 \%$ | $20 \%$ | $0 \%$ |  | $0 \%$ |
| Residential | $3 \%$ | $6 \%$ | $0 \%$ | $0 \%$ |  |  |
| Hotel | $3 \%$ | $4 \%$ | $6 \%$ |  |  |  |

*** BASED ON EXIT ${ }^{* * *}$

| $\underline{4}$ | $\begin{gathered} \hline \text { (Exit) } \\ \text { Land Use } \end{gathered}$ | (Enter) Land Use |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Office | Retail | Restaurant | Cinema/Ent. | Residential | Hotel |
| 1 | Office |  | 0 | 0 | 0 | 0 | 0 |
| $\square$ | Retail | 0 |  | 0 | 0 | 0 | 0 |
|  | Restaurant | 0 | 0 |  | 0 | 0 | 0 |
|  | Cinema/Entertainment | 0 | 0 | 0 |  | 0 | 0 |
| 4 | Residential | 0 | 0 | 0 | 0 |  | 0 |
|  | Hotel | 0 | 0 | 0 | 0 | 0 |  |

*** BASED ON ENTER ***

| (Exit) <br> Land Use | (Enter) Land Use |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Office | Retail | Restaurant | Cinema/Ent. | Residential | Hotel |


| $4$ | Office |  | 0 | 0 | 0 | 0 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Retail | 0 |  | 0 | 0 | 0 | 0 |
|  | Restaurant | 0 | 0 |  | 0 | 0 | 0 |
|  | Cinema/Entertainment | 0 | 0 | 0 |  | 0 | 0 |
|  | Residential | 0 | 0 | 0 | 0 |  | 0 |
|  | Hotel | 0 | 0 | 0 | 0 | 0 |  |
| *** M INIM UM *** |  |  |  |  |  |  |  |
|  | (Exit) | (Enter) Land Use |  |  |  |  |  |
|  | Land Use | Office | Retail | Restaurant | Cinema/Ent. | Residential | Hotel |
| In | Office |  | 0 | 0 | 0 | 0 | 0 |
| - | Retail | 0 |  | 0 | 0 | 0 | 0 |
|  | Restaurant | 0 | 0 |  | 0 | 0 | 0 |
| 2 | Cinema/Entertainment | 0 | 0 | 0 |  | 0 | 0 |
|  | Residential | 0 | 0 | 0 | 0 |  | 0 |
|  | Hotel | 0 | 0 | 0 | 0 | 0 |  |
| INTERNAL TRIPS |  |  |  |  |  |  |  |
|  | Land Use | A. M. Peak Hour |  |  |  |  |  |
|  |  | Enter | Exit |  |  |  |  |
|  | Office | 0 | 0 |  |  |  |  |
|  | Retail | 0 | 0 |  |  |  |  |
|  | Restaurant | 0 | 0 |  |  |  |  |
|  | Cinema/Entertainment | 0 | 0 |  |  |  |  |
|  | Residential | 0 | 0 |  |  |  |  |
|  | Hotel | 0 | 0 |  |  |  |  |
|  |  | 0 | 0 |  |  |  |  |

## P.M. PEAKHOUR

| Land Use | P.M. Peak Hour |  |
| :---: | :---: | :---: |
|  | Enter | Exit |
| Office | 0 | 0 |
| Retail | 258 | 258 |
| Restaurant | 40 | 40 |
| Cinema/Entertainment | 0 | 0 |
| Residential | 0 | 0 |
| Hotel | 0 | 0 |
|  | 298 | 298 |
|  |  |  |

Table 6.1 Unconstrained Internal Person Trip Capture Rates for Trip Origins within a M ixed-Use Development (P.M. Peak Hour)

| Origin <br> Land Use | Destination Land Use |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Office | Retail | Restaurant | Cinema/Ent. | Residential | Hotel |
|  |  | $20 \%$ | $4 \%$ | $0 \%$ | $2 \%$ | $0 \%$ |
| Retail | $2 \%$ |  | $29 \%$ | $4 \%$ | $26 \%$ | $5 \%$ |
| Restaurant | $3 \%$ | $41 \%$ |  | $8 \%$ | $18 \%$ | $7 \%$ |
|  | $2 \%$ | $21 \%$ | $31 \%$ |  | $8 \%$ | $2 \%$ |
| Cinema/Entertainment | $2 \%$ | $42 \%$ | $21 \%$ | $0 \%$ |  | $3 \%$ |
| Residential | $4 \%$ | $16 \%$ | $68 \%$ | $0 \%$ | $2 \%$ |  |

Table 6.2 Unconstrained Internal Person Trip Capture Rates
for Trip Destinations within a Mixed-Use Development (P.M. Peak Hour)

| $\begin{gathered} \hline \text { Origin } \\ \text { Land Use } \end{gathered}$ | Destination Land Use |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Office | Retail | Restaurant | Cinema/Ent. | Residential | Hotel |
| Office |  | 8\% | 2\% | 1\% | 4\% | 0\% |
| Retail | 31\% |  | 29\% | 26\% | 46\% | 17\% |
| Restaurant | 30\% | 50\% |  | 32\% | 16\% | 71\% |
| Cinema/Entertainment | 6\% | 4\% | 3\% |  | 4\% | 1\% |
| Residential | 57\% | 10\% | 14\% | 0\% |  | 12\% |
| Hotel | 0\% | 2\% | 5\% | 0\% | 0\% |  |


|  | (Exit) | (Enter) Land Use |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Land Use | Office | Retail | Restaurant | Cinema/Ent. | Residential | Hotel |
|  | Office |  | 0 | 0 | 0 | 0 | 0 |
|  | Retail | 5 |  | 75 | 10 | 67 | 13 |
|  | Restaurant | 1 | 16 |  | 3 | 7 | 3 |
|  | Cinema/Entertainment | 0 | 0 | 0 |  | 0 | 0 |
|  | Residential | 0 | 0 | 0 | 0 |  | 0 |
|  | Hotel | 0 | 0 | 0 | 0 | 0 |  |
| *** BASED ON ENTER *** |  |  |  |  |  |  |  |
|  | (Exit) | (Enter) Land Use |  |  |  |  |  |
| 2 | Land Use | Office | Retail | Restaurant | Cinema/Ent. | Residential | Hotel |


| $\frac{14}{4}$ | Office |  | 21 | 1 | 0 | 0 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Retail | 0 |  | 12 | 0 | 0 | 0 |
|  | Restaurant | 0 | 129 |  | 0 | 0 | 0 |
|  | Cinema/Entertainment | 0 | 10 | 1 |  | 0 | 0 |
|  | Residential | 0 | 26 | 6 | 0 |  | 0 |
|  | Hotel | 0 | 5 | 2 | 0 | 0 |  |
| *** M INIM UM *** |  |  |  |  |  |  |  |
|  | (Exit) | (Enter) Land Use |  |  |  |  |  |
| $\underline{1}$ | Land Use | Office | Retail | Restaurant | Cinema/Ent. | Residential | Hotel |
| 1 | Office |  | 0 | 0 | 0 | 0 | 0 |
| - | Retail | 0 |  | 12 | 0 | 0 | 0 |
| 1 | Restaurant | 0 | 16 |  | 0 | 0 | 0 |
| 2 | Cinema/Entertainment | 0 | 0 | 0 |  | 0 | 0 |
| - | Residential | 0 | 0 | 0 | 0 |  | 0 |
|  | Hotel | 0 | 0 | 0 | 0 | 0 |  |
| INTERNAL TRIPS |  |  |  |  |  |  |  |
|  | Land Use | P.M. Peak Hour |  |  |  |  |  |
| $\underline{1}$ | Land Use | Enter | Exit |  |  |  |  |
| II | Office | 0 | 0 |  |  |  |  |
| $\square$ | Retail | 16 | 12 |  |  |  |  |
|  | Restaurant | 12 | 16 |  |  |  |  |
|  | Cinema/Entertainment | 0 | 0 |  |  |  |  |
| ® | Residential | 0 | 0 |  |  |  |  |
|  | Hotel | 0 | 0 |  |  |  |  |
|  |  | 28 | 28 |  |  |  |  |

## Attachment D Historical Growth Calculations

COUNTY: 29 - COLUMBIA
SITE: 0102 - SR 10 200' W. OF BURK ST.

| YEAR | AADT |  | DIRECTION 1 |  | DIRECTION 2 |  | *K FACTOR | D FACTOR | T FACTOR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2022 | 31500 | C | E | 16500 | W | 15000 | 9.00 | 54.70 | 6.10 |
| 2021 | 32500 | S | E | 16500 | W | 16000 | 9.00 | 54.20 | 5.90 |
| 2020 | 31500 | F | E | 16000 | W | 15500 | 9.00 | 54.80 | 6.80 |
| 2019 | 31500 | C | E | 16000 | W | 15500 | 9.00 | 54.80 | 6.20 |
| 2018 | 31000 | C | E | 15500 | W | 15500 | 9.00 | 54.70 | 6.20 |
| 2017 | 35000 | C | E | 16000 | W | 19000 | 9.00 | 55.50 | 5.80 |
| 2016 | 32000 | C | E | 16000 | W | 16000 | 9.00 | 53.90 | 5.40 |
| 2015 | 32000 | C | E | 16000 | W | 16000 | 9.00 | 54.50 | 5.70 |
| 2014 | 33000 | C | E | 16500 | W | 16500 | 9.00 | 54.40 | 5.90 |
| 2013 | 37000 | C | E | 18500 | W | 18500 | 9.00 | 55.30 | 6.40 |
| 2012 | 33500 | C | E | 16500 | W | 17000 | 9.00 | 54.70 | 5.50 |
| 2011 | 34500 | C | E | 17000 | W | 17500 | 9.00 | 53.70 | 5.30 |
| 2010 | 33500 | C | E | 17000 | W | 16500 | 9.94 | 54.40 | 4.90 |
| 2009 | 35000 | C | E | 17500 | W | 17500 | 9.78 | 54.18 | 5.30 |
| 2008 | 37500 | C | E | 19000 | W | 18500 | 9.82 | 54.63 | 6.20 |
| 2007 | 36000 | C | E | 17500 | W | 18500 | 9.99 | 54.46 | 6.40 |

[^1]Traffic Trends - V03.a
US 90/SR 10 -- 200' W OF BURK ST


|  |  |  |
| ---: | ---: | ---: |
| Trend R-squared: | $50.00 \%$ |  |
| Compounded Annual Historic Growth Rate: | $0.32 \%$ |  |
| Compounded Growth Rate (2022 to Design Year): | $0.32 \%$ |  |
| Printed: | 9 -Aug-23 |  |
| Exponential Growth Option |  |  |


*Axle-Adjusted

```
COUNTY: 29
SIAIION: - 
DESCRIPTION: SR 10 200' W. OF BURK ST.
START DATE: 07/28/2022
START TIME: 0000
```

|  |  | DIR | TION: | E |  |  |  | TION | W |  | COMBINED |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TIME | 1ST | 2ND | 3RD | 4 TH | TOTAL | 1ST | 2ND | 3RD | 4 TH | TOTAL | TOTAL |
| 0000 | 26 | 24 | 17 | 16 | 83 | 30 | 19 | 17 | 25 | 91 | 174 |
| 0100 | 25 | 20 | 18 | 17 | 80 | 11 | 11 | 12 | 9 | 43 | 123 |
| 0200 | 22 | 13 | 17 | 32 | 84 | 9 | 22 | 17 | 8 | 56 | 140 |
| 0300 | 9 | 27 | 27 | 35 | 98 | 12 | 18 | 4 | 18 | 52 | 150 |
| 0400 | 45 | 41 | 41 | 43 | 170 | 14 | 23 | 18 | 19 | 74 | 244 |
| 0500 | 58 | 96 | 96 | 137 | 387 | 22 | 25 | 33 | 57 | 137 | 524 |
| 0600 | 136 | 149 | 202 | 195 | 682 | 36 | 50 | 74 | 92 | 252 | 934 |
| 0700 | 227 | 237 | 291 | 249 | 1004 | 101 | 116 | 149 | 202 | 568 | 1572 |
| 0800 | 257 | 232 | 245 | 220 | 954 | 165 | 171 | 176 | 258 | 770 | 1724 |
| 0900 | 241 | 223 | 297 | 230 | 991 | 240 | 231 | 228 | 269 | 968 | 1959 |
| 1000 | 232 | 297 | 275 | 262 | 1066 | 237 | 240 | 272 | 279 | 1028 | 2094 |
| 1100 | 294 | 288 | 323 | 278 | 1183 | 288 | 305 | 300 | 318 | 1211 | 2394 |
| 1200 | 333 | 310 | 332 | 344 | 1319 | 338 | 337 | 309 | 265 | 1249 | 2568 |
| 1300 | 313 | 318 | 313 | 305 | 1249 | 284 | 309 | 308 | 300 | 1201 | 2450 |
| 1400 | 332 | 270 | 328 | 271 | 1201 | 292 | 285 | 292 | 326 | 1195 | 2396 |
| 1500 | 304 | 272 | 305 | 286 | 1167 | 328 | 341 | 338 | 311 | 1318 | 2485 |
| 1600 | 283 | 271 | 282 | 302 | 1138 | 327 | 303 | 356 | 331 | 1317 | 2455 |
| 1700 | 306 | 280 | 237 | 254 | 1077 | 368 | 345 | 312 | 297 | 1322 | 2399 |
| 1800 | 258 | 202 | 230 | 201 | 891 | 241 | 216 | 227 | 185 | 869 | 1760 |
| 1900 | 180 | 185 | 171 | 188 | 724 | 192 | 176 | 150 | 161 | 679 | 1403 |
| 2000 | 143 | 148 | 134 | 121 | 546 | 132 | 149 | 143 | 110 | 534 | 1080 |
| 2100 | 116 | 104 | 82 | 73 | 375 | 113 | 78 | 90 | 68 | 349 | 724 |
| 2200 | 71 | 53 | 44 | 67 | 235 | 63 | 52 | 50 | 43 | 208 | 443 |
| 2300 | 34 | 32 | 38 | 27 | 131 | 57 | 49 | 33 | 44 | 183 | 314 |
| 24-HOUR TOTALS: |  |  | 16835 |  |  |  |  |  |  | 15674 | 32509 |


|  | PEAK VOLUME INFORMATION |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | HOUR | VOLUME | HOUR | VOLUME | HOUR | VOLUME |
| A.M. | 715 | 1034 | 845 | 957 | 845 | 1938 |
| P.M. | 1200 | 1319 | 1630 | 1400 | 1630 | 2570 |
| DAILY | 1200 | 1319 | 1630 | 1400 | 1630 | 2570 |

GENERATED BY SPS 5.0.0.61

## APPENDIX B Traffic Data

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Note: Total study counts contained in parentheses.
Traffic Counts - Motorized Vehicles

| Interval | US 90 <br> Eastbound |  |  |  | US 90 <br> Westbound |  |  |  | RIDGEWOOD ROAD <br> Northbound |  |  |  | RIDGEWOOD ROAD Southbound |  |  |  | Total | Rolling Hour | Pedestrian Crossings |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | U-Turn | Left | Thru | Right | U-Turn | eft | Thru | Right | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right |  |  | West | East | South | North |
| 7:00 AM | 0 | 6 | 206 | 0 | 0 | 0 | 123 | 3 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 12 | 356 | 2,059 | 0 | 0 | 0 | 0 |
| 7:15 AM | 0 | 14 | 266 | 0 | 0 | 0 | 169 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 13 | 469 | 2,256 | 0 | 0 | 0 | 0 |
| 7:30 AM | 0 | 13 | 339 | 0 | 0 | 0 | 187 | 3 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 12 | 557 | 2,290 | 0 | 0 | 0 | 0 |
| 7:45 AM | 0 | 17 | 375 | 0 | 0 | 1 | 266 | 6 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 10 | 677 | 2,255 | 0 | 0 | 1 | 1 |
| 8:00 AM | 1 | 16 | 330 | 0 | 0 | 1 | 191 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 9 | 553 | 2,068 | 0 | 0 | 0 | 0 |
| 8:15 AM | 0 | 11 | 269 | 0 | 0 | 1 | 203 | 2 | 0 | 2 | 0 | 0 | 0 | 3 | 0 | 12 | 503 |  | 0 | 0 | 0 | 1 |
| 8:30 AM | 0 | 9 | 259 | 0 | 0 | 1 | 248 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 522 |  | 0 | 0 | 1 | 0 |
| 8:45 AM | 0 | 8 | 256 | 0 | 0 | 2 | 202 | 5 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 10 | 490 |  | 0 | 0 | 1 | 0 |

## Peak Rolling Hour Flow Rates

| Vehicle Type | Eastbound |  |  |  | Westbound |  |  |  | Northbound |  |  |  | Southbound |  |  |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right |  |
| Articulated Trucks | 0 | 0 | 7 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| Lights | 1 | 55 | 1,273 | 0 | 0 | 3 | 784 | 12 | 0 | 4 | 0 | 0 | 0 | 9 | 0 | 39 | 2,180 |
| Mediums | 0 | 2 | 33 | 0 | 0 | 0 | 43 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 83 |
| Total | 1 | 57 | 1,313 | 0 | 0 | 3 | 847 | 13 | 0 | 4 | 0 | 0 | 0 | 9 | 0 | 43 | 2,290 |

Heavy Vehicle Percentage and Peak Hour Factor

|  | Eastbound |  |  | Westbound |  |  |  | Northbound |  |  |  | Southbound |  |  |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | U-Turn | Left Thru | Right | U-Turn | Left | Thru | ight | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right |  |
| Heavy Vehicle \% | 3.1\% |  |  | 7.4\% |  |  |  | 0.0\% |  |  |  | 7.7\% |  |  |  | 4.8\% |
| Heavy Vehicle \% | 0.0\% | 3.5\% 3.0\% | 0.0\% | 0.0\% | 0.0\% | 7.4\% | 7.7\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 9.3\% | 4.8\% |
| Peak Hour Factor | 0.87 |  |  | 0.84 |  |  |  | 0.50 |  |  |  | 0.82 |  |  |  | 0.85 |
| Peak Hour Factor | 0.25 | $0.88 \quad 0.88$ | 0.00 | 0.00 | 0.63 | 0.85 | 0.67 | 0.00 | 0.50 | 0.00 | 0.00 | 0.25 | 0.46 | 0.00 | 0.90 | 0.85 |

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Note: Total study counts contained in parentheses.
Traffic Counts - Motorized Vehicles

| Interval | US 90 |  |  |  | US 90 <br> Westbound |  |  |  | SISTERS WELCOME ROAD <br> Northbound |  |  |  | SISTERS WELCOME ROAD Southbound |  |  |  | Total | Rolling Hour | Pedestrian Crossings |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right |  |  | West | East | South | North |
| 7:00 AM | 0 | 0 | 190 | 7 | 0 | 13 | 115 | 0 | 0 | 12 | 0 | 28 | 0 | 0 | 0 | 0 | 365 | 2,178 | 0 | 0 | 1 | 0 |
| 7:15 AM | 0 | 2 | 245 | 13 | 0 | 28 | 155 | 0 | 0 | 19 | 0 | 32 | 0 | 1 | 0 | 0 | 495 | 2,426 | 0 | 0 | 0 | 0 |
| 7:30 AM | 0 | 1 | 301 | 26 | 0 | 29 | 170 | 0 | 0 | 25 | 0 | 54 | 0 | 1 | 2 | 1 | 610 | 2,498 | 0 | 0 | 0 | 0 |
| 7:45 AM | 0 | 2 | 315 | 27 | 0 | 44 | 224 | 0 | 0 | 23 | 0 | 67 | 0 | 5 | 0 | 1 | 708 | 2,472 | 0 | 0 | 1 | 1 |
| 8:00 AM | 1 | 2 | 302 | 32 | 0 | 19 | 178 | 0 | 0 | 26 | 0 | 47 | 0 | 1 | 0 | 5 | 613 | 2,275 | 0 | 0 | 0 | 0 |
| 8:15 AM | 0 | 2 | 221 | 34 | 0 | 32 | 192 | 0 | 0 | 33 | 1 | 47 | 0 | 4 | 0 | 1 | 567 |  | 0 | 0 | 0 | 2 |
| 8:30 AM | 0 | 2 | 229 | 22 | 0 | 18 | 224 | 0 | 0 | 40 | 1 | 45 | 0 | 0 | 1 | 2 | 584 |  | 0 | 0 | 1 | 0 |
| 8:45 AM | 0 | 2 | 245 | 9 | 0 | 19 | 193 | 0 | 0 | 16 | 1 | 25 | 0 | 1 | 0 | 0 | 511 |  | 0 | 0 | 0 | 0 |

## Peak Rolling Hour Flow Rates

| Vehicle Type | Eastbound |  |  |  | Westbound |  |  |  | Northbound |  |  |  | Southbound |  |  |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right |  |
| Articulated Trucks | 0 | 0 | 7 | 0 | 0 | 1 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| Lights | 1 | 7 | 1,110 | 115 | 0 | 112 | 710 | 0 | 0 | 105 | 1 | 204 | 0 | 11 | 2 | 8 | 2,386 |
| Mediums | 0 | 0 | 22 | 4 | 0 | 11 | 35 | 0 | 0 | 2 | 0 | 11 | 0 | 0 | 0 | 0 | 85 |
| Total | 1 | 7 | 1,139 | 119 | 0 | 124 | 764 | 0 | 0 | 107 | 1 | 215 | 0 | 11 | 2 | 8 | 2,498 |

Heavy Vehicle Percentage and Peak Hour Factor

|  | Eastbound |  |  | Westbound |  |  |  | Northbound |  |  |  | Southbound |  |  |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | U-Turn | Left Thru | Right | U-Turn | Left | Thru |  | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right |  |
| Heavy Vehicle \% | 2.6\% |  |  | 7.4\% |  |  |  | 4.0\% |  |  |  | 0.0\% |  |  |  | 4.5\% |
| Heavy Vehicle \% | 0.0\% | 0.0\% 2.5\% | 3.4\% | 0.0\% | 9.7\% | 7.1\% | 0.0\% | 0.0\% | 1.9\% | 0.0\% | 5.1\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 4.5\% |
| Peak Hour Factor | 0.92 |  |  | 0.87 |  |  |  | 0.92 |  |  |  | 0.88 |  |  |  | 0.88 |
| Peak Hour Factor | 0.25 | $1.00 \quad 0.92$ | 0.88 | 0.00 | 0.70 | 0.91 | 0.00 | 0.00 | 0.76 | 0.75 | 0.80 | 0.00 | 0.55 | 0.25 | 0.45 | 0.88 |

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Note: Total study counts contained in parentheses.
Traffic Counts - Motorized Vehicles

| Interval | US 90 |  |  |  | US 90 <br> Westbound |  |  |  | RIDGEWOOD ROAD <br> Northbound |  |  |  | RIDGEWOOD ROAD Southbound |  |  |  | Total | Rolling Hour | Pedestrian Crossings |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | U-Turn | Left | Thru | Right | U-Turn L | Left | Thru | Right | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right |  |  | West | East | South | North |
| 3:00 PM | 0 | 14 | 342 | 3 | 0 | 1 | 328 | 5 | 0 | 3 | 0 | 0 | 0 | 7 | 0 | 11 | 714 | 2,924 | 0 | 0 | 1 | 0 |
| 3:15 PM | 0 | 12 | 294 | 2 | 0 | 0 | 374 | 8 | 0 | 5 | 0 | 1 | 0 | 4 | 0 | 15 | 715 | 2,959 | 0 | 0 | 0 | 1 |
| 3:30 PM | 0 | 12 | 292 | 3 | 0 | 0 | 392 | 7 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 16 | 726 | 2,981 | 0 | 0 | 0 | 1 |
| 3:45 PM | 0 | 18 | 314 | 2 | 0 | 0 | 408 | 6 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 16 | 769 | 2,992 | 0 | 0 | 0 | 0 |
| 4:00 PM | 0 | 16 | 314 | 0 | 0 | 0 | 393 | 6 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 17 | 749 | 2,974 | 0 | 0 | 0 | 0 |
| 4:15 PM | 1 | 12 | 302 | 0 | 0 | 1 | 392 | 8 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 17 | 737 | 2,959 | 0 | 0 | 0 | 0 |
| 4:30 PM | 0 | 20 | 283 | 3 | 0 | 1 | 395 | 3 | 0 | 1 | 0 | 0 | 0 | 6 | 0 | 25 | 737 | 2,890 | 0 | 0 | 4 | 1 |
| 4:45 PM | 0 | 13 | 299 | 0 | 0 | 0 | 406 | 9 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 19 | 751 | 2,790 | 0 | 0 | 2 | 0 |
| 5:00 PM | 0 | 9 | 270 | 0 | 0 | 1 | 410 | 9 | 0 | 1 | 0 | 1 | 0 | 12 | 0 | 21 | 734 | 2,635 | 0 | 0 | 1 | 0 |
| 5:15 PM | 0 | 13 | 300 | 1 | 0 | 0 | 332 | 4 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 14 | 668 |  | 0 | 0 | 1 | 0 |
| 5:30 PM | 0 | 13 | 282 | 0 | 0 | 1 | 318 | 4 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 16 | 637 |  | 0 | 0 | 0 | 0 |
| 5:45 PM | 0 | 20 | 263 | 1 | 0 | 0 | 292 | 4 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 12 | 596 |  | 0 | 0 | 0 | 0 |

## Peak Rolling Hour Flow Rates

| Vehicle Type | Eastbound |  |  |  | Westbound |  |  |  | Northbound |  |  |  | Southbound |  |  |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right |  |
| Articulated Trucks | 0 | 0 | 6 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| Lights | 1 | 62 | 1,176 | 5 | 0 | 2 | 1,542 | 23 | 0 | 3 | 0 | 1 | 0 | 15 | 0 | 73 | 2,903 |
| Mediums | 0 | 4 | 31 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 74 |
| Total | 1 | 66 | 1,213 | 5 | 0 | 2 | 1,588 | 23 | 0 | 3 | 0 | 1 | 0 | 15 | 0 | 75 | 2,992 |

Heavy Vehicle Percentage and Peak Hour Factor

|  | Eastbound |  |  |  | Westbound |  |  |  | Northbound |  |  |  | Southbound |  |  |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right |  |
| Heavy Vehicle \% | 3.2\% |  |  |  | 2.9\% |  |  |  | 0.0\% |  |  |  | 2.2\% |  |  |  | 3.0\% |
| Heavy Vehicle \% | 0.0\% | 6.1\% | 3.1\% | 0.0\% | 0.0\% | 0.0\% | 2.9\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 2.7\% | 3.0\% |
| Peak Hour Factor | 0.91 |  |  |  | 0.97 |  |  |  | 0.42 |  |  |  | 0.82 |  |  |  | 0.97 |
| Peak Hour Factor | 0.25 | 0.83 | 0.91 | 0.83 | 0.00 | 0.75 | 0.98 | 0.81 | 0.00 | 0.45 | 0.00 | 0.50 | 0.00 | 0.54 | 0.00 | 0.82 | 0.97 |

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Note: Total study counts contained in parentheses.
Traffic Counts - Motorized Vehicles

| Interval | $\text { US } 90$ <br> Eastbound |  |  |  | US 90 <br> Westbound |  |  |  | SISTERS WELCOME ROAD <br> Northbound |  |  |  | SISTERS WELCOME ROAD Southbound |  |  |  | Total | Rolling Hour | Pedestrian Crossings |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right |  |  | West | East | South | North |
| 3:00 PM | 1 | 3 | 321 | 20 | 0 | 30 | 308 | 0 | 0 | 17 | 3 | 27 | 0 | 6 | 1 | 3 | 740 | 3,147 | 0 | 0 | 0 | 0 |
| 3:15 PM | 0 | 2 | 280 | 43 | 0 | 41 | 349 | 0 | 0 | 22 | 0 | 25 | 0 | 1 | 3 | 6 | 772 | 3,190 | 0 | 0 | 0 | 1 |
| 3:30 PM | 0 | 2 | 262 | 31 | 0 | 40 | 362 | 1 | 0 | 45 | 0 | 43 | 0 | 2 | 0 | 6 | 794 | 3,214 | 0 | 1 | 0 | 0 |
| 3:45 PM | 0 | 2 | 267 | 28 | 0 | 33 | 384 | 1 | 0 | 54 | 1 | 61 | 0 | 3 | 2 | 5 | 841 | 3,215 | 0 | 0 | 0 | 0 |
| 4:00 PM | 1 | 2 | 287 | 21 | 0 | 41 | 357 | 0 | 0 | 31 | 2 | 34 | 0 | 2 | 1 | 4 | 783 | 3,169 | 0 | 0 | 0 | 0 |
| 4:15 PM | 0 | 4 | 286 | 17 | 0 | 30 | 385 | 0 | 0 | 28 | 3 | 27 | 0 | 5 | 3 | 8 | 796 | 3,166 | 0 | 0 | 0 | 0 |
| 4:30 PM | 0 | 6 | 258 | 35 | 0 | 46 | 365 | 0 | 0 | 21 | 4 | 46 | 0 | 3 | 3 | 8 | 795 | 3,088 | 0 | 0 | 0 | 1 |
| 4:45 PM | 0 | 3 | 266 | 33 | 0 | 39 | 375 | 0 | 0 | 24 | 2 | 37 | 0 | 5 | 4 | 7 | 795 | 2,985 | 0 | 0 | 0 | 0 |
| 5:00 PM | 0 | 0 | 253 | 21 | 0 | 48 | 383 | 0 | 0 | 42 | 0 | 24 | 0 | 2 | 2 | 5 | 780 | 2,818 | 0 | 0 | 0 | 0 |
| 5:15 PM | 0 | 1 | 283 | 27 | 0 | 47 | 297 | 0 | 0 | 20 | 1 | 34 | 0 | 1 | 2 | 5 | 718 |  | 0 | 0 | 0 | 0 |
| 5:30 PM | 0 | 2 | 260 | 32 | 0 | 32 | 300 | 1 | 0 | 21 | 0 | 37 | 0 | 0 | 3 | 4 | 692 |  | 0 | 1 | 0 | 0 |
| 5:45 PM | 0 | 2 | 247 | 20 | 1 | 24 | 276 | 0 | 0 | 16 | 3 | 33 | 0 | 2 | 0 | 4 | 628 |  | 0 | 0 | 0 | 0 |

## Peak Rolling Hour Flow Rates

| Vehicle Type | Eastbound |  |  |  | Westbound |  |  |  | Northbound |  |  |  | Southbound |  |  |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right |  |
| Articulated Trucks | 0 | 0 | 6 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| Lights | 1 | 14 | 1,067 | 99 | 0 | 137 | 1,456 | 1 | 0 | 127 | 10 | 156 | 0 | 13 | 9 | 25 | 3,115 |
| Mediums | 0 | 0 | 25 | 2 | 0 | 13 | 26 | 0 | 0 | 7 | 0 | 12 | 0 | 0 | 0 | 0 | 85 |
| Total | 1 | 14 | 1,098 | 101 | 0 | 150 | 1,491 | 1 | 0 | 134 | 10 | 168 | 0 | 13 | 9 | 25 | 3,215 |

Heavy Vehicle Percentage and Peak Hour Factor

|  | Eastbound |  |  |  | Westbound |  |  |  | Northbound |  |  |  | Southbound |  |  |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right | U-Turn | Left | Thru | Right |  |
| Heavy Vehicle \% | 2.7\% |  |  |  | 2.9\% |  |  |  | 6.1\% |  |  |  | 0.0\% |  |  |  | 3.1\% |
| Heavy Vehicle \% | 0.0\% | 0.0\% | 2.8\% | 2.0\% | 0.0\% | 8.7\% | 2.3\% | 0.0\% | 0.0\% | 5.2\% | 0.0\% | 7.1\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 3.1\% |
| Peak Hour Factor | 0.91 |  |  |  | 0.97 |  |  |  | 0.71 |  |  |  | 0.86 |  |  |  | 0.96 |
| Peak Hour Factor | 0.25 | 0.63 | 0.88 | 0.72 | 0.25 | 0.94 | 0.98 | 0.50 | 0.00 | 0.73 | 0.69 | 0.69 | 0.00 | 0.75 | 0.75 | 0.88 | 0.96 |

2022 PEAK SEASON FACTOR CATEGORY REPORT - REPORT TYPE: ALL CATEGORY: 2900 COLUMBIA COUNTYWIDE

| WEEK | DATES | SF | $\begin{aligned} & \text { MOCF: } 0.98 \\ & \text { PSCF } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 1 | 01/01/2022-01/01/2022 | 1.02 | 1.04 |
| 2 | 01/02/2022-01/08/2022 | 1.05 | 1.07 |
| 3 | 01/09/2022-01/15/2022 | 1.08 | 1.10 |
| 4 | 01/16/2022-01/22/2022 | 1.07 | 1.09 |
| 5 | 01/23/2022-01/29/2022 | 1.05 | 1.07 |
| 6 | 01/30/2022-02/05/2022 | 1.03 | 1.05 |
| 7 | 02/06/2022-02/12/2022 | 1.02 | 1.04 |
| 8 | 02/13/2022-02/19/2022 | 1.00 | 1.02 |
| 9 | 02/20/2022-02/26/2022 | 1.00 | 1.02 |
| 10 | 02/27/2022-03/05/2022 | 0.99 | 1.01 |
| 11 | 03/06/2022-03/12/2022 | 0.99 | 1.01 |
| *12 | 03/13/2022-03/19/2022 | 0.98 | 1.00 |
| * 13 | 03/20/2022-03/26/2022 | 0.98 | 1.00 |
| *14 | 03/27/2022-04/02/2022 | 0.98 | 1.00 |
| *15 | 04/03/2022-04/09/2022 | 0.97 | 0.99 |
| *16 | 04/10/2022-04/16/2022 | 0.97 | 0.99 |
| *17 | 04/17/2022-04/23/2022 | 0.97 | 0.99 |
| *18 | 04/24/2022-04/30/2022 | 0.97 | 0.99 |
| *19 | 05/01/2022-05/07/2022 | 0.97 | 0.99 |
| * 20 | 05/08/2022-05/14/2022 | 0.97 | 0.99 |
| * 21 | 05/15/2022-05/21/2022 | 0.98 | 1.00 |
| * 22 | 05/22/2022-05/28/2022 | 0.98 | 1.00 |
| *23 | 05/29/2022-06/04/2022 | 0.99 | 1.01 |
| * 24 | 06/05/2022-06/11/2022 | 0.99 | 1.01 |
| 25 | 06/12/2022-06/18/2022 | 1.00 | 1.02 |
| 26 | 06/19/2022-06/25/2022 | 1.00 | 1.02 |
| 27 | 06/26/2022-07/02/2022 | 1.01 | 1.03 |
| 28 | 07/03/2022-07/09/2022 | 1.02 | 1.04 |
| 29 | 07/10/2022-07/16/2022 | 1.03 | 1.05 |
| 30 | 07/17/2022-07/23/2022 | 1.02 | 1.04 |
| 31 | 07/24/2022-07/30/2022 | 1.01 | 1.03 |
| 32 | 07/31/2022-08/06/2022 | 1.01 | 1.03 |
| 33 | 08/07/2022-08/13/2022 | 1.00 | 1.02 |
| 34 | 08/14/2022-08/20/2022 | 0.99 | 1.01 |
| 35 | 08/21/2022-08/27/2022 | 1.00 | 1.02 |
| 36 | 08/28/2022-09/03/2022 | 1.00 | 1.02 |
| 37 | 09/04/2022-09/10/2022 | 1.01 | 1.03 |
| 38 | 09/11/2022-09/17/2022 | 1.01 | 1.03 |
| 39 | 09/18/2022-09/24/2022 | 1.00 | 1.02 |
| 40 | 09/25/2022-10/01/2022 | 0.99 | 1.01 |
| 41 | 10/02/2022-10/08/2022 | 0.98 | 1.00 |
| 42 | 10/09/2022-10/15/2022 | 0.97 | 0.99 |
| 43 | 10/16/2022-10/22/2022 | 0.98 | 1.00 |
| 44 | 10/23/2022-10/29/2022 | 0.99 | 1.01 |
| 45 | 10/30/2022-11/05/2022 | 1.00 | 1.02 |
| 46 | 11/06/2022-11/12/2022 | 1.01 | 1.03 |
| 47 | 11/13/2022-11/19/2022 | 1.02 | 1.04 |
| 48 | 11/20/2022-11/26/2022 | 1.02 | 1.04 |
| 49 | 11/27/2022-12/03/2022 | 1.02 | 1.04 |
| 50 | 12/04/2022-12/10/2022 | 1.02 | 1.04 |
| 51 | 12/11/2022-12/17/2022 | 1.02 | 1.04 |
| 52 | 12/18/2022-12/24/2022 | 1.05 | 1.07 |
| 53 | 12/25/2022-12/31/2022 | 1.08 | 1.10 |

* PEAK SEASON

23-FEB-2023 09:11:19
2_2900_PKSEASON.TXT

| Location Details |  |  |  |
| :--- | :--- | :--- | :--- |
| Signal ID: | $\mathbf{7 5}$ | Date: | May 25, 2023 |
| Major Street: | US 90 | Orientation: | E-W |
| Minor Street: | Ridgewood Ave | Orientation: | N-S |

Controller Timings (seconds)

| Movement \# (Controller Phase © ) | ®1 | Ø2 | $\emptyset 3$ | $\boxed{\square}$ | Ø5 | $\square 6$ | 07 | ø8 | ø9 | 010 | $\varnothing 11$ | 012 | 013 | 014 | 015 | Ø16 | Notes |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Direction | EBLT | WB |  | NB | WBLT | EB |  | SB |  |  |  |  |  |  |  |  |  |
| Turn Type | FYA |  |  |  | FYA |  |  |  |  |  |  |  |  |  |  |  |  |
| Min Green | 5 | 15 |  | 7 | 5 | 15 |  | 7 |  |  |  |  |  |  |  |  |  |
| Ext | 3.0 | 4.0 |  | 3.0 | 3.0 | 4.0 |  | 3.0 |  |  |  |  |  |  |  |  |  |
| Yellow | 4.8 | 4.8 |  | 3.4 | 4.8 | 4.8 |  | 3.4 |  |  |  |  |  |  |  |  |  |
| All Red | 2.0 | 2.0 |  | 2.5 | 2.0 | 2.0 |  | 2.9 |  |  |  |  |  |  |  |  |  |
| Max I | 20 | 50 |  | 30 | 20 | 50 |  | 30 |  |  |  |  |  |  |  |  |  |
| Max II | 15 | 110 |  | 15 | 15 | 110 |  | 15 |  |  |  |  |  |  |  |  |  |
| Walk |  | 7 |  | 7 |  | 7 |  | 7 |  |  |  |  |  |  |  |  |  |
| Flashing Don't Walk |  | 20 |  | 24 |  | 12 |  | 28 |  |  |  |  |  |  |  |  |  |
| Detector Memory | OFF | OFF |  | OFF | OFF | OFF |  | OFF |  |  |  |  |  |  |  |  |  |
| Det. Switching to: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Recall |  | Min |  |  |  | Min |  |  |  |  |  |  |  |  |  |  |  |
| CNA |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Coordination Timings (seconds)

|  |  | Cycle | Splits |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Offset | Seq | $\begin{gathered} \text { Coord } \\ \varnothing \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pattern | C-S.O | Lenath | a1 | (6) | 93 | 64 | C5 | 06 | 07 | $\square 8$ | $\triangle 9$ | 010 | 011 | 012 | Ø13 | Ø14 | 015 | 016 |  |  |  |
| 1 | - | 130 | 23 | $\begin{gathered} \hline 74 \\ \text { Max } \end{gathered}$ | 16 | 16 | 15 | $\begin{gathered} \hline 82 \\ \mathrm{Max} \end{gathered}$ | 16 | 17 |  |  |  |  |  |  |  |  | 17 | 1 | 2 |
| 2 |  | 130 | 20 | $\begin{gathered} 77 \\ \text { Min } \end{gathered}$ | 16 | 16 | 17 | $\begin{aligned} & 80 \\ & \text { Min } \end{aligned}$ | 16 | 17 |  |  |  |  |  |  |  |  | 59 | 1 | 2 |
| 3 |  | 150 | 21 | $\begin{gathered} 93 \\ \text { Max } \end{gathered}$ | 20 | 16 | 15 | $\begin{gathered} 99 \\ \text { Max } \end{gathered}$ | 16 | 20 |  |  |  |  |  |  |  |  | 60 | 1 | 2 |
| 4 |  | 110 | 19 | $\begin{gathered} \hline 58 \\ \text { Max } \end{gathered}$ | 16 | 16 | 15 | $\begin{gathered} \hline 62 \\ \text { Max } \\ \hline \end{gathered}$ | 16 | 17 |  |  |  |  |  |  |  |  | 91 | 1 | 2 |
| 5 |  | 100 | 19 | $\begin{gathered} \hline 48 \\ \text { Max } \\ \hline \end{gathered}$ | 16 | 16 | 15 | $\begin{gathered} \hline 52 \\ \text { Max } \end{gathered}$ | 16 | 17 |  |  |  |  |  |  |  |  | 25 | 1 | 2 |
| 6 |  | 140 | 25 | $\begin{gathered} 82 \\ \text { Max } \\ \hline \end{gathered}$ | 16 | 16 | 18 | $\begin{gathered} 89 \\ \text { Max } \\ \hline \end{gathered}$ | 16 | 17 |  |  |  |  |  |  |  |  | 26 | 1 | 2 |
| 7 |  | 110 | 24 | $\begin{gathered} 53 \\ \text { Max } \end{gathered}$ | 16 | 16 | 16 | $\begin{gathered} \hline 61 \\ \text { Max } \\ \hline \end{gathered}$ | 16 | 17 |  |  |  |  |  |  |  |  | 33 | 1 | 2 |
| 8 |  | 100 | 19 | $\begin{gathered} 48 \\ \text { Max } \\ \hline \end{gathered}$ | 16 | 16 | 15 | $\begin{gathered} 52 \\ \text { Max } \\ \hline \end{gathered}$ | 16 | 17 |  |  |  |  |  |  |  |  | 25 | 1 | 2 |
| 9 |  | 140 | 25 | $\begin{gathered} 82 \\ \mathrm{Max} \\ \hline \end{gathered}$ | 16 | 16 | 18 | $\begin{gathered} 89 \\ \text { Max } \end{gathered}$ | 16 | 17 |  |  |  |  |  |  |  |  | 26 | 1 | 2 |
| 10 |  | 110 | 24 | $\begin{gathered} 53 \\ \mathrm{Max} \\ \hline \end{gathered}$ | 16 | 16 | 16 | $\begin{gathered} 61 \\ \text { Max } \\ \hline \end{gathered}$ | 16 | 17 |  |  |  |  |  |  |  |  | 33 | 1 | 2 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



Notes:

1) Use 'Max I' during FREE Operation.

| Signal ID: | 75 |
| ---: | :--- |
| Major Street: | US 90 |
| Minor Street: | Ridgewood Ave |

Day Plans


|  | Force | Ált Opt | Âlt Time | Coord | Alt Time Table Max Values (Seconds) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Patt | Mode | Table | Table | Max Plan | 01 | $\bar{\square} 2$ | $\overline{\text { DJ }}$ | 04 | 65 | 66 | 07 | Ø8 | $\varnothing 9$ | 010 | $\boxed{011}$ | 012 | 013 | 014 | 015 | 016 |
| 1 | FIXED | None | None | Max 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | FIXED | None | None | Max 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | FIXED | None | None | Max 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | FIXED | None | None | Max 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | FIXED | None | None | Max 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | FIXED | None | None | Max 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | FIXED | None | None | Max 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | FIXED | None | None | Max 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | FIXED | None | None | Max 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 | FIXED | None | None | Max 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


| Location Details |  |  |  |
| :--- | :--- | :--- | :--- |
| Signal ID: | $\mathbf{1 0 3}$ | Date: | May 25, 2023 |
| Major Street: | US 90 | Orientation: | E-W |
| Minor Street: | Sisters Welcome | Orientation: | N-S |

Controller Timings (seconds)

| Movement \# (Controller Phase ©) | ®1 | Ø2 | Ø3 | Ø4 | Ø5 | Ø6 | Ø7 | Ø8 | Ø9 | 610 | Б11 | $\emptyset 12$ | Ø13 | $\boxed{\square 14}$ | $\boxed{615}$ | Ø16 | Notes |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Direction | EBLT | WB |  | NB | WBLT | EB |  | SB |  |  |  |  |  |  |  |  |  |
| Turn Type | FYA |  |  |  | FYA |  |  |  |  |  |  |  |  |  |  |  |  |
| Min Green | 5 | 15 |  | 7 | 5 | 15 |  | 7 |  |  |  |  |  |  |  |  |  |
| Ext | 3.0 | 4.0 |  | 4.0 | 3.0 | 4.0 |  | 4.0 |  |  |  |  |  |  |  |  |  |
| Yellow | 4.9 | 4.9 |  | 3.7 | 4.9 | 4.9 |  | 3.7 |  |  |  |  |  |  |  |  |  |
| All Red | 2.0 | 2.0 |  | 2.4 | 2.0 | 2.0 |  | 2.4 |  |  |  |  |  |  |  |  |  |
| Max I | 20 | 45 |  | 35 | 20 | 45 |  | 35 |  |  |  |  |  |  |  |  |  |
| Max II | 13 | 95 |  | 15 | 27 | 95 |  | 15 |  |  |  |  |  |  |  |  |  |
| Walk |  | 7 |  | 7 |  | 7 |  | 7 |  |  |  |  |  |  |  |  |  |
| Flashing Don't Walk |  | 12 |  | 24 |  | 23 |  | 27 |  |  |  |  |  |  |  |  |  |
| Detector Memory | OFF | ON |  | OFF | OFF | ON |  | OFF |  |  |  |  |  |  |  |  |  |
| Det. Switching to: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Recall |  | Min |  |  |  | Min |  |  |  |  |  |  |  |  |  |  |  |
| CNA |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Coordination Timings (seconds)

| Pattern | C-5-0 | Cycle Length | Splits |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Offset | Seq | $\begin{gathered} \text { Coord } \\ 0 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 61 | Ø2 | $\varnothing 3$ | $\square 4$ | $\square 5$ | Ф6 | $\boxed{\square} 7$ | $\square 8$ | $\varnothing 9$ | ¢10 | 011 | Ø12 | 013 | Ø14 | $\boxed{\square 15}$ | 016 |  |  |  |
| 1 |  | 130 | 15 | $\begin{gathered} 76 \\ \text { Max } \end{gathered}$ | 17 | 22 | 29 | $\begin{gathered} 62 \\ \text { Max } \end{gathered}$ | 22 | 17 |  |  |  |  |  |  |  |  | 9 | 1 | 2 |
| 2 |  | 130 | 15 | $\begin{gathered} 76 \\ M a x \end{gathered}$ | 17 | 22 | 21 | $\begin{gathered} 70 \\ \text { Max } \end{gathered}$ | 22 | 17 |  |  |  |  |  |  |  |  | 41 | 1 | 2 |
| 3 |  | 150 | 15 | $\begin{gathered} \hline 91 \\ \text { Max } \\ \hline \end{gathered}$ | 17 | 27 | 31 | $\begin{gathered} 75 \\ \text { Max } \end{gathered}$ | 27 | 17 |  |  |  |  |  |  |  |  | 47 | 1 | 2 |
| 4 |  | 110 | 15 | $\begin{gathered} 58 \\ \text { Max } \\ \hline \end{gathered}$ | 17 | 20 | 23 | $\begin{gathered} 50 \\ \mathrm{Max} \end{gathered}$ | 20 | 17 |  |  |  |  |  |  |  |  | 73 | 1 | 2 |
| 5 |  | 100 | 15 | $\begin{gathered} \hline 48 \\ \text { Max } \\ \hline \end{gathered}$ | 17 | 20 | 17 | $\begin{gathered} \hline 46 \\ \text { Max } \end{gathered}$ | 20 | 17 |  |  |  |  |  |  |  |  | 1 | 1 | 2 |
| 6 |  | 140 | 17 | $\begin{aligned} & \hline 73 \\ & \text { Max } \end{aligned}$ | 20 | 30 | 23 | $\begin{gathered} \hline 67 \\ \mathrm{Max} \end{gathered}$ | 30 | 20 |  |  |  |  |  |  |  |  | 4 | 1 | 2 |
| 7 |  | 110 | 15 | $\begin{gathered} 56 \\ \text { Max } \end{gathered}$ | 17 | 22 | 18 | $\begin{gathered} \hline 53 \\ \text { Max } \end{gathered}$ | 22 | 17 |  |  |  |  |  |  |  |  | 7 | 1 | 2 |
| 8 |  | 100 | 15 | $\begin{gathered} \hline 48 \\ \text { Max } \end{gathered}$ | 17 | 20 | 17 | $\begin{gathered} \hline 46 \\ \text { Max } \end{gathered}$ | 20 | 17 |  |  |  |  |  |  |  |  | 1 | 1 | 2 |
| 9 |  | 140 | 17 | $\begin{aligned} & \hline 73 \\ & \text { Max } \end{aligned}$ | 20 | 30 | 23 | $\begin{gathered} 67 \\ \mathrm{Max} \end{gathered}$ | 30 | 20 |  |  |  |  |  |  |  |  | 4 | 1 | 2 |
| 10 |  | 110 | 15 | $\begin{gathered} 56 \\ \text { Max } \\ \hline \end{gathered}$ | 17 | 22 | 18 | $\begin{gathered} 53 \\ \mathrm{Max} \\ \hline \end{gathered}$ | 22 | 17 |  |  |  |  |  |  |  |  | 7 | 1 | 2 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


| Offset Reference Point | Phase Mode |
| :---: | :---: |
| End of Green of first through movement | User |

Notes:

1) Use 'Max l' during FREE Operation.

|  | SEQ 1 |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Ring-1 | 1 | 2 | 3 | 4 |
| Ring-2 | 5 | 6 | 8 | 7 |


| Signal ID: | 103 |
| ---: | :--- |
| Major Street: | US 90 |
| Minor Street: | Sisters Welcome |

Day Plans


| Friday |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Day Plan 4 |  |  |  |  |
| Hr | Min | Patt | Cycl |  |
| 00 | 00 | 254 | Free |  |
| 6 | 30 | 1 | 130 |  |
| 10 | 00 | 2 | 130 |  |
| 11 | 30 | 3 | 150 |  |
| 19 | 00 | 4 | 110 |  |
| 21 | 30 | 254 | Free |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
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|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |




| att | Force | Alt Opt | Alt Time | Coord | Alt Time Table Max Values (Seconds) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Patt | Mode | Table | Table | Max Plan | 01 | $\boxed{\square 1}$ | 03 | 04 | 65 | Ø6 | 07 | Ø8 | 69 | 010 | 011 | 012 | 013 | 014 | $\boxed{615}$ | 016 |
| 1 | FIXED | None | None | Max 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | FIXED | None | None | Max 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | FIXED | None | None | Max 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | FIXED | None | None | Max 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | FTXED | None | None | Max 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | FIXED | None | None | Max 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | FIXED | None | None | Max 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | FIXED | None | None | Max 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | FIXED | None | None | Max 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 | FIXED | None | None | Max 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

# APPENDIX C <br> Intersection Volume Development Worksheets 

## TRAFFIC VOLUMES AT STUDY INTERSECTIONS


"AM PROJECT TRAFFIC"

| LAND USE | TYPE | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL | SBT | SBR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AM TRAFFIC DIVERSIONS |  |  |  |  | 0 |  | -3 |  |  |  | -4 | 0 | 0 |  |  | 0 |  |
| Project | Pass - By |  |  | -129 | 129 |  | 83 | -83 |  |  | 83 |  | 129 |  |  |  |  |
| Trips | Net New |  |  |  | 37 |  | 37 |  |  |  | 40 | 2 | 36 |  |  | 2 |  |
| AM TOTAL PROJECT TRAFFIC |  | 0 | 0 | -129 | 166 |  | 117 | $-83$ | 0 |  | 119 | 2 | 165 |  | 0 | 2 | 0 |
| AM TOTAL TRAFFIC |  | 1 | 60 | 1,250 | 166 |  | 120 | 807 | 13 |  | 123 | 2 | 165 |  | 9 | 2 | 45 |

"SCHOOL PM PROJECT TRAFFIC"


| SCHOOL PM TOTAL TRAFFIC |  | 61 | 1,188 | 119 |  | 142 | 1,536 | 29 |  | 146 | 2 | 119 |  | 14 | 2 | 67 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |


| "PM P <br> LAND USE | TYPE | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL | SBT | SBR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PM TRAFFIC DIVERSIONS |  |  |  |  | -3 |  | -2 |  |  |  | -2 | 0 | -1 |  |  | 0 |  |
| Project Trips | Pass - By |  |  | -77 | 77 |  | 103 | -103 |  |  | 103 |  | 77 |  |  |  |  |
|  | Net New |  |  |  | 31 |  | 31 |  |  |  | 32 | 2 | 29 |  |  | 2 |  |
| PM TOTAL PROJECT TRAFFIC |  | 0 | 0 | -77 | 105 |  | 132 | -103 | 0 |  | 133 | 2 | 105 |  | 0 | 2 | 0 |
| PM TOTAL TRAFFIC |  | 1 | 64 | 1,182 | 108 |  | 134 | 1,564 | 28 |  | 135 | 2 | 106 |  | 16 | 2 | 82 |

## TRAFFIC VOLUMES AT STUDY INTERSECTIONS


"AM PROJECT TRAFFIC"

| LAND USE | TYPE | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL | SBT | SBR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Project Trips | Pass - By |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Net New |  |  | 37 |  |  | 7 | 32 |  |  | 3 |  |  |  |  |  |  |
| AM TOTAL PROJECT TRAFFIC |  | 0 | 0 | 37 | 0 |  | 7 | 32 | 0 |  | 3 | 0 | 0 |  | 0 | 0 | 0 |
| AM TOTAL TRAFFIC |  | 1 | 7 | 1,234 | 125 |  | 138 | 835 | 0 |  | 115 | 1 | 225 |  | 11 | 2 | 8 |

"SCHOOL PM PROJECT TRAFFIC"


| SCHOOL PM TOTAL TRAFFIC | 1 | 8 | 1,184 | 130 |  | 170 | 1,555 | 2 |  | 163 | 3 | 171 |  | 8 | 6 | 22 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |



## TRAFFIC VOLUMES AT STUDY INTERSECTIONS

$\begin{aligned} \text { INTERSECTION: } & \text { SW Sisters Welcome Rd \& RIRO Driveway } \\ \text { COUNT DATE: } & \text { September 7, 2023 }\end{aligned}$
COUNT DATE: September 7, 2023
AM PEAK HOUR FACTOR:
SCHOOL PM PEAK HOUR FACTOR: PM PEAK HOUR FACTOR:
0.88
1.00

| "AM EXISTING TRAFFIC" | WBU | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL | SBT | SBR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AM Raw Turning Movements |  | 0 | 0 | 0 |  | 0 | 323 | 0 |  | 0 | 245 | 0 |
| Peak Season Conversion Factor | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 |
| AM EXISTING CONDITIONS |  | 0 | 0 | 0 |  | 0 | 333 | 0 |  | 0 | 252 | 0 |
| "SCHOOL PM EXISTING TRAFFIC" | WBU | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL | SBT | SBR |
| PM Raw Turning Movements |  | 0 | 0 | 0 |  | 0 | 318 | 0 |  | 0 | 284 | 0 |
| Peak Season Conversion Factor | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| SCHOOL PM EXISTING CONDITIONS |  | 0 | 0 | 0 |  | 0 | 328 | 0 |  | 0 | 293 | 0 |


| "PM EXISTING TRAFFIC" | WBU | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL | SBT | SBR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PM Raw Turning Movements |  | 0 | 0 | 0 |  | 0 | 259 | 0 |  | 0 | 273 | 0 |
| Peak Season Conversion Factor | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 |
| PM EXISTING CONDITIONS |  | 0 | 0 | 0 |  | 0 | 267 | 0 |  | 0 | 281 | 0 |


| "AM BACKGROUND TRAFFIC" | WBU | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL | SBT | SBR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Years To Buildout | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Yearly Growth Rate | 1.0\% | 1.0\% | 1.0\% | 1.0\% | 1.0\% | 1.0\% | 1.0\% | 1.0\% | 1.0\% | 1.0\% | 1.0\% | 1.0\% |
| AM BACKGROUND TRAFFIC GROWTH |  | 0 | 0 | 0 |  | 0 | 7 | 0 |  | 0 | 5 | 0 |
| AM NON-PROJECT TRAFFIC |  | 0 | 0 | 0 |  | 0 | 340 | 0 |  | 0 | 257 | 0 |



| SCHOOL PM NON-PROJECT TRAFFIC |  | 0 | 0 | 0 |  | 0 | 335 | 0 |  | 0 | 299 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |


| "PM BACKGROUND TRAFFIC" | WBU | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL | SBT | SBR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Years To Buildout | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Yearly Growth Rate | 1.0\% | 1.0\% | 1.0\% | 1.0\% | 1.0\% | 1.0\% | 1.0\% | 1.0\% | 1.0\% | 1.0\% | 1.0\% | 1.0\% |
| PM BACKGROUND TRAFFIC GROWTH |  | 0 | 0 | 0 |  | 0 | 5 | 0 |  | 0 | 6 | 0 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| PM NON-PROJECT TRAFFIC |  | 0 | 0 | 0 |  | 0 | 272 | 0 |  | 0 | 287 | 0 |

"AM PROJECT DISTRIBUTION"

| LAND USE | TYPE | WBU | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL | SBT | SBR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pass-By | Entering |  |  |  |  |  |  |  |  |  |  |  |  |
| Distribution | Exiting |  |  |  |  |  |  |  |  |  |  |  |  |
| Net New | Entering |  |  |  |  |  |  |  | 9.0\% |  |  |  |  |
| Distribution | Exiting |  |  |  | 4.0\% |  |  |  |  |  |  | 9.0\% |  |


| CHOOL PM P LAND USE | RIBUTIO TYPE | WBU | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL | SBT | SBR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pass-By | Entering |  |  |  |  |  |  |  |  |  |  |  |  |
| Distribution | Exiting |  |  |  |  |  |  |  |  |  |  |  |  |
| Net New | Entering |  |  |  |  |  |  |  | 9.0\% |  |  |  |  |
| Distribution | Exiting |  |  |  | 4.0\% |  |  |  |  |  |  | 9.0\% |  |

"PM PROJECT DISTRIBUTION"

| LAND USE | TYPE | WBU | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL | SBT | SBR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pass-By Distribution | Entering |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Exiting |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Entering |  |  |  |  |  |  |  | 9.0\% |  |  |  |  |
| Distribution | Exiting |  |  |  | 4.0\% |  |  |  |  |  |  | 9.0\% |  |

"AM PROJECT TRAFFIC"

| LAND USE | TYPE | WBU | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL | SBT | SBR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Project Trips | Pass - By |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Net New |  |  |  | 3 |  |  |  | 7 |  |  | 7 |  |
| AM TOTAL PROJECT TRAFFIC |  |  | 0 | 0 | 3 |  | 0 | 0 | 7 |  | 0 | 7 | 0 |
| AM TOTAL TRAFFIC |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 0 | 0 | 3 |  | 0 | 340 | 7 |  | 0 | 264 | 0 |
| "SCHOOL PM PROJECT TRAFFIC" |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LAND USE | TYPE | WBU | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL | SBT | SBR |
| Project Trips | Pass - By |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Net New |  |  |  | 3 |  |  |  | 7 |  |  | 7 |  |
| SCHOOL PM TOTAL PROJECT TRAFFIC |  |  |  |  | 3 |  |  |  | 7 |  |  | 7 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SCHOOL PM TOTAL TRAFFIC |  |  | 0 | 0 | 3 |  | 0 | 335 | 7 |  | 0 | 306 | 0 |

"PM PROJECT TRAFFIC"


## APPENDIX D Synchro Output Reports



## Intersection Summary

Cycle Length: 130
Actuated Cycle Length: 130
Offset: 17 (13\%), Referenced to phase 2:WBTL, Start of Yellow
Natural Cycle: 135
Control Type: Actuated-Coordinated
Splits and Phases: 1: Driveway/NW Ridgewood Ave \& US 90


|  | $\rangle$ |  |  | 7 |  |  |  | 4 |  |  | $\downarrow$ | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| Lane Configurations | \％ | 中虳 |  | \％ | 快 ${ }^{\text {b }}$ |  |  | $\uparrow$ |  |  | $\uparrow$ |  |
| Traffic Volume（veh／h） | 60 | 1352 | 0 | 3 | 872 | 13 | 4 | 0 | 0 | 9 | 0 | 44 |
| Future Volume（veh／h） | 60 | 1352 | 0 | 3 | 872 | 13 | 4 | 0 | 0 | 9 | 0 | 44 |
| Initial $\mathrm{Q}(\mathrm{Qb})$ ，veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped－Bike Adj（A＿pbT） | 1.00 |  | 1.00 | 1.00 |  | 1.00 | 1.00 |  | 1.00 | 1.00 |  | 1.00 |
| Parking Bus，Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach |  | No |  |  | No |  |  | No |  |  | No |  |
| Adj Sat Flow，veh／h／ln | 1856 | 1856 | 1856 | 1796 | 1796 | 1796 | 1870 | 1870 | 1870 | 1781 | 1781 | 1781 |
| Adj Flow Rate，veh／h | 71 | 1591 | 0 | 4 | 1026 | 13 | 5 | 0 | 0 | 11 | 0 | 14 |
| Peak Hour Factor | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 |
| Percent Heavy Veh，\％ | 3 |  | 3 | 7 | 7 | 7 | 2 | 2 | ， | 8 | 8 | 8 |
| Cap，veh／h | 503 | 3827 | 0 | 262 | 3619 | 46 | 16 | 0 | 0 | 22 | 0 | 28 |
| Arrive On Green | 0.04 | 0.76 | 0.00 | 0.01 | 0.96 | 0.96 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.03 |
| Sat Flow，veh／h | 1767 | 5233 | 0 | 1711 | 4991 | 63 | 1781 | 0 | 0 | 698 | 0 | 888 |
| Grp Volume（v），veh／h | 71 | 1591 | 0 | 4 | 672 | 367 | 5 | 0 | 0 | 25 | 0 | 0 |
| Grp Sat Flow（s），veh／h／ln | 1767 | 1689 | 0 | 1711 | 1635 | 1785 | 1781 | 0 | 0 | 1587 | 0 | 0 |
| Q Serve（g＿s），s | 1.3 | 14.6 | 0.0 | 0.1 | 1.3 | 1.3 | 0.4 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 |
| Cycle Q Clear（g＿c），s | 1.3 | 14.6 | 0.0 | 0.1 | 1.3 | 1.3 | 0.4 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 |
| Prop In Lane | 1.00 |  | 0.00 | 1.00 |  | 0.04 | 1.00 |  | 0.00 | 0.44 |  | 0.56 |
| Lane Grp Cap（c），veh／h | 503 | 3827 | 0 | 262 | 2371 | 1294 | 16 | 0 | 0 | 51 | 0 | 0 |
| V／C Ratio（X） | 0.14 | 0.42 | 0.00 | 0.02 | 0.28 | 0.28 | 0.32 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 |
| Avail Cap（c＿a），veh／h | 661 | 3827 | 0 | 361 | 2371 | 1294 | 138 | 0 | 0 | 131 | 0 | 0 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.33 | 1.33 | 1.33 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter（1） | 0.86 | 0.86 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| Uniform Delay（d），s／veh | 3.9 | 5.7 | 0.0 | 5.2 | 0.7 | 0.7 | 64.0 | 0.0 | 0.0 | 61.9 | 0.0 | 0.0 |
| Incr Delay（d2），s／veh | 0.1 | 0.3 | 0.0 | 0.0 | 0.3 | 0.5 | 10.9 | 0.0 | 0.0 | 7.2 | 0.0 | 0.0 |
| Initial Q Delay（d3），s／veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| \％ile BackOfQ（95\％），veh／ln | 0.7 | 7.3 | 0.0 | 0.0 | 0.7 | 0.9 | 0.4 | 0.0 | 0.0 | 1.7 | 0.0 | 0.0 |
| Unsig．Movement Delay，s／veh |  |  |  |  |  |  |  |  |  |  |  |  |
| LnGrp Delay（d），s／veh | 4.0 | 6.0 | 0.0 | 5.2 | 1.0 | 1.2 | 75.0 | 0.0 | 0.0 | 69.1 | 0.0 | 0.0 |
| LnGrp LOS | A | A | A | A | A | A | E | A | A | E | A | A |
| Approach Vol，veh／h |  | 1662 |  |  | 1043 |  |  | 5 |  |  | 25 |  |
| Approach Delay，s／veh |  | 5.9 |  |  | 1.1 |  |  | 75.0 |  |  | 69.1 |  |
| Approach LOS |  | A |  |  | A |  |  | E |  |  | E |  |
| Timer－Assigned Phs | 1 | 2 |  | 4 | 5 | 6 |  | 8 |  |  |  |  |
| Phs Duration（ $G+Y+R \mathrm{c}$ ），$s$ | 11.4 | 101.1 |  | 7.1 | 7.5 | 105.0 |  | 10.5 |  |  |  |  |
| Change Period（ $Y+\mathrm{Rc}$ ），s | 6.8 | 6.8 |  | 5.9 | 6.8 | 6.8 |  | 6.3 |  |  |  |  |
| Max Green Setting（Gmax），s | 16.2 | 67.2 |  | 10.1 | 8.2 | 75.2 |  | 10.7 |  |  |  |  |
| Max Q Clear Time（g＿c＋11），s | 3.3 | 3.3 |  | 2.4 | 2.1 | 16.6 |  | 4.0 |  |  |  |  |
| Green Ext Time（p＿c），s | 0.1 | 12.2 |  | 0.0 | 0.0 | 25.4 |  | 0.0 |  |  |  |  |
| Intersection Summary |  |  |  |  |  |  |  |  |  |  |  |  |
| HCM 6th Ctrl Delay |  |  | 4.7 |  |  |  |  |  |  |  |  |  |
|  |  |  | A |  |  |  |  |  |  |  |  |  |

## Notes

User approved pedestrian interval to be less than phase max green．

2: SW Sisters Welcome Rd \& US 90

|  | 4 |  | $\%$ | $\Perp$ | 4 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | EBL | EBT | WBL | WBT | NBL | NBT | SBT |
| Lane Configurations | ${ }^{7}$ | 虾 | ${ }^{7}$ | 虾 | ${ }^{7}$ | $\uparrow$ |  |
| Traffic Volume (vph) | 8 | 1173 | 128 | 787 | 110 | 1 | 2 |
| Future Volume (vph) | 8 | 1173 | 128 | 787 | 110 | 1 | 2 |
| Turn Type | pm+pt | NA | pm+pt | NA | Split | NA | NA |
| Protected Phases | 1 | 6 | 5 | 2 | 4 | 4 | 8 |
| Permitted Phases | 6 |  | 2 |  |  |  |  |
| Detector Phase | 1 | 6 | 5 | 2 | 4 | 4 | 8 |
| Switch Phase |  |  |  |  |  |  |  |
| Minimum Initial (s) | 5.0 | 15.0 | 5.0 | 15.0 | 7.0 | 7.0 | 7.0 |
| Minimum Split (s) | 11.9 | 36.9 | 11.9 | 25.9 | 37.1 | 37.1 | 40.1 |
| Total Split (s) | 15.0 | 62.0 | 29.0 | 76.0 | 22.0 | 22.0 | 17.0 |
| Total Split (\%) | 11.5\% | 47.7\% | 22.3\% | 58.5\% | 16.9\% | 16.9\% | 13.1\% |
| Yellow Time (s) | 4.9 | 4.9 | 4.9 | 4.9 | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.0 | 2.0 | 2.0 | 2.0 | 2.4 | 2.4 | 2.4 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 6.9 | 6.9 | 6.9 | 6.9 | 6.1 | 6.1 | 6.1 |
| Lead/Lag | Lead | Lag | Lead | Lag |  |  |  |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes |  |  |  |
| Recall Mode | None | Max | None | C-Max | None | None | None |

## Intersection Summary

Cycle Length: 130
Actuated Cycle Length: 130
Offset: 9 (7\%), Referenced to phase 2:WBTL, Start of Yellow
Natural Cycle: 140
Control Type: Actuated-Coordinated
Splits and Phases: 2: SW Sisters Welcome Rd \& US 90


|  | 4 | $\rightarrow$ |  | 7 | $4$ | 4 | 4 | $\dagger$ | $p$ |  | $\dagger$ | $\downarrow$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| Lane Configurations | ${ }^{7}$ | 性个 |  | ${ }^{4}$ | 虾 |  | ${ }^{4}$ | $\uparrow$ |  |  | \＆ |  |
| Traffic Volume（veh／h） | 8 | 1173 | 123 | 128 | 787 | 0 | 110 | 1 | 221 | 11 | 2 | 8 |
| Future Volume（veh／h） | 8 | 1173 | 123 | 128 | 787 | 0 | 110 | 1 | 221 | 11 | 2 | 8 |
| Initial Q（Qb），veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped－Bike Adj（A＿pbT） | 1.00 |  | 0.98 | 1.00 |  | 1.00 | 1.00 |  | 1.00 | 1.00 |  | 1.00 |
| Parking Bus，Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach |  | No |  |  | No |  |  | No |  |  | No |  |
| Adj Sat Flow，veh／h／ln | 1856 | 1856 | 1856 | 1796 | 1796 | 1796 | 1841 | 1841 | 1841 | 1870 | 1870 | 1870 |
| Adj Flow Rate，veh／h | 9 | 1333 | 138 | 145 | 894 | 0 | 125 | 1 | 135 | 12 | 2 | 6 |
| Peak Hour Factor | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| Percent Heavy Veh，\％ | 3 | 3 | 3 | 7 | 7 | 7 | 4 | 4 | 4 | 2 | 2 | 2 |
| Cap，veh／h | 457 | 2882 | 298 | 300 | 3225 | 0 | 182 | 1 | 161 | 29 | 5 | 14 |
| Arrive On Green | 0.01 | 0.62 | 0.62 | 0.06 | 0.87 | 0.00 | 0.10 | 0.10 | 0.10 | 0.03 | 0.03 | 0.03 |
| Sat Flow，veh／h | 1767 | 4651 | 482 | 1711 | 5065 | 0 | 1753 | 11 | 1550 | 1035 | 173 | 518 |
| Grp Volume（v），veh／h | 9 | 968 | 503 | 145 | 894 | 0 | 125 | 0 | 136 | 20 | 0 | 0 |
| Grp Sat Flow（s），veh／h／ln | 1767 | 1689 | 1756 | 1711 | 1635 | 0 | 1753 | 0 | 1562 | 1725 | 0 | 0 |
| Q Serve（g＿s），s | 0.2 | 19.9 | 19.9 | 4.0 | 3.9 | 0.0 | 8.9 | 0.0 | 11.1 | 1.5 | 0.0 | 0.0 |
| Cycle Q Clear（g＿c），s | 0.2 | 19.9 | 19.9 | 4.0 | 3.9 | 0.0 | 8.9 | 0.0 | 11.1 | 1.5 | 0.0 | 0.0 |
| Prop In Lane | 1.00 |  | 0.27 | 1.00 |  | 0.00 | 1.00 |  | 0.99 | 0.60 |  | 0.30 |
| Lane Grp Cap（c），veh／h | 457 | 2093 | 1088 | 300 | 3225 | 0 | 182 | 0 | 162 | 48 | 0 | 0 |
| V／C Ratio（X） | 0.02 | 0.46 | 0.46 | 0.48 | 0.28 | 0.00 | 0.69 | 0.00 | 0.84 | 0.42 | 0.00 | 0.00 |
| Avail Cap（c＿a），veh／h | 548 | 2093 | 1088 | 508 | 3225 | 0 | 214 | 0 | 191 | 145 | 0 | 0 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.33 | 1.33 | 1.33 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter（I） | 1.00 | 1.00 | 1.00 | 0.97 | 0.97 | 0.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.00 |
| Uniform Delay（d），s／veh | 8.9 | 13.2 | 13.2 | 10.2 | 3.0 | 0.0 | 56.2 | 0.0 | 57.2 | 62.2 | 0.0 | 0.0 |
| Incr Delay（d2），s／veh | 0.0 | 0.7 | 1.4 | 1.2 | 0.2 | 0.0 | 8.6 | 0.0 | 25.5 | 8.1 | 0.0 | 0.0 |
| Initial Q Delay（d3），s／veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| \％ile BackOfQ（95\％），veh／In | 0.2 | 11.5 | 12.1 | 2.5 | 2.0 | 0.0 | 7.8 | 0.0 | 9.4 | 1.4 | 0.0 | 0.0 |
| Unsig．Movement Delay，s／veh |  |  |  |  |  |  |  |  |  |  |  |  |
| LnGrp Delay（d），s／veh | 8.9 | 13.9 | 14.6 | 11.4 | 3.2 | 0.0 | 64.8 | 0.0 | 82.6 | 70.3 | 0.0 | 0.0 |
| LnGrp LOS | A | B | B | B | A | A | E | A | F | E | A | A |
| Approach Vol，veh／h |  | 1480 |  |  | 1039 |  |  | 261 |  |  | 20 |  |
| Approach Delay，s／veh |  | 14.1 |  |  | 4.4 |  |  | 74.1 |  |  | 70.3 |  |
| Approach LOS |  | B |  |  | A |  |  | E |  |  | E |  |
| Timer－Assigned Phs | 1 | 2 |  | 4 | 5 | 6 |  | 8 |  |  |  |  |
| Phs Duration（ $\mathrm{G}+\mathrm{Y}+\mathrm{Rc}$ ），$s$ | 8.3 | 92.4 |  | 19.6 | 13.2 | 87.5 |  | 9.7 |  |  |  |  |
| Change Period（Y＋Rc），s | 6.9 | 6.9 |  | ＊ 6.1 | 6.9 | 6.9 |  | 6.1 |  |  |  |  |
| Max Green Setting（Gmax），s | 8.1 | 69.1 |  | ＊ 16 | 22.1 | 55.1 |  | 10.9 |  |  |  |  |
| Max Q Clear Time（g＿c＋l1），s | 2.2 | 5.9 |  | 13.1 | 6.0 | 21.9 |  | 3.5 |  |  |  |  |
| Green Ext Time（p＿c），s | 0.0 | 10.5 |  | 0.4 | 0.3 | 16.9 |  | 0.0 |  |  |  |  |
| Intersection Summary |  |  |  |  |  |  |  |  |  |  |  |  |
| HCM 6th Ctrl Delay |  |  | 16.5 |  |  |  |  |  |  |  |  |  |
| HCM 6th LOS |  |  | B |  |  |  |  |  |  |  |  |  |

## Notes

User approved pedestrian interval to be less than phase max green．
＊HCM 6th computational engine requires equal clearance times for the phases crossing the barrier．

1: Driveway/NW Ridgewood Ave \& US 90


Cycle Length: 150
Actuated Cycle Length: 150
Offset: 60 (40\%), Referenced to phase 2:WBTL, Start of Yellow
Natural Cycle: 145
Control Type: Actuated-Coordinated
Splits and Phases: 1: Driveway/NW Ridgewood Ave \& US 90


| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Configurations | ${ }^{*}$ | 个个t |  | \％ | 个中t |  |  | ¢ |  |  | ${ }_{*}$ |  |
| Traffic Volume（veh／h） | 60 | 1250 | 7 | 0 | 1614 | 28 | 7 | 0 | 1 | 14 | 0 | 66 |
| Future Volume（veh／h） | 60 | 1250 | 7 | 0 | 1614 | 28 | 7 | 0 | 1 | 14 | 0 | 66 |
| Initial $\mathrm{Q}(\mathrm{Qb})$ ，veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped－Bike Adj（A＿pbT） | 1.00 |  | 0.98 | 1.00 |  | 0.98 | 1.00 |  | 1.00 | 1.00 |  | 1.00 |
| Parking Bus，Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach |  | No |  |  | No |  |  | No |  |  | No |  |
| Adj Sat Flow，veh／h／ln | 1841 | 1841 | 1841 | 1856 | 1856 | 1856 | 1870 | 1870 | 1870 | 1841 | 1841 | 1841 |
| Adj Flow Rate，veh／h | 62 | 1302 | 7 | 0 | 1681 | 28 | 7 | 0 | 1 | 15 | 0 | 24 |
| Peak Hour Factor | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| Percent Heavy Veh，\％ | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 4 | 4 | 4 |
| Cap，veh／h | 311 | 4243 | 23 | 360 | 3829 | 64 | 20 | 0 | 3 | 23 | 0 | 38 |
| Arrive On Green | 0.03 | 0.82 | 0.82 | 0.00 | 0.99 | 0.99 | 0.01 | 0.00 | 0.01 | 0.04 | 0.00 | 0.04 |
| Sat Flow，veh／h | 1753 | 5157 | 28 | 1767 | 5130 | 85 | 1535 | 0 | 219 | 627 | 0 | 1002 |
| Grp Volume（v），veh／h | 62 | 846 | 463 | 0 | 1107 | 602 | 8 | 0 | 0 | 39 | 0 | 0 |
| Grp Sat Flow（s），veh／h／ln | 1753 | 1675 | 1835 | 1767 | 1689 | 1838 | 1754 | 0 | 0 | 1629 | 0 | 0 |
| Q Serve（g＿s），s | 1.2 | 9.0 | 9.0 | 0.0 | 0.6 | 0.6 | 0.7 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 |
| Cycle Q Clear（g＿c），s | 1.2 | 9.0 | 9.0 | 0.0 | 0.6 | 0.6 | 0.7 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 |
| Prop In Lane | 1.00 |  | 0.02 | 1.00 |  | 0.05 | 0.87 |  | 0.12 | 0.38 |  | 0.62 |
| Lane Grp Cap（c），veh／h | 311 | 2756 | 1510 | 360 | 2521 | 1372 | 23 | 0 | 0 | 61 | 0 | 0 |
| V／C Ratio（X） | 0.20 | 0.31 | 0.31 | 0.00 | 0.44 | 0.44 | 0.34 | 0.00 | 0.00 | 0.64 | 0.00 | 0.00 |
| Avail Cap（c＿a），veh／h | 423 | 2756 | 1510 | 456 | 2521 | 1372 | 118 | 0 | 0 | 149 | 0 | 0 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.33 | 1.33 | 1.33 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter（1） | 0.89 | 0.89 | 0.89 | 0.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| Uniform Delay（d），s／veh | 3.4 | 3.2 | 3.2 | 0.0 | 0.1 | 0.1 | 73.4 | 0.0 | 0.0 | 71.2 | 0.0 | 0.0 |
| Incr Delay（d2），s／veh | 0.3 | 0.3 | 0.5 | 0.0 | 0.6 | 1.0 | 8.6 | 0.0 | 0.0 | 10.6 | 0.0 | 0.0 |
| Initial Q Delay（d3），s／veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| \％ile BackOfQ（95\％），veh／ln | 0.6 | 4.1 | 4.6 | 0.0 | 0.6 | 0.9 | 0.7 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 |

Unsig．Movement Delay，s／veh

| LnGrp Delay（d），s／veh | 3.7 | 3.4 | 3.6 | 0.0 | 0.7 | 1.2 | 81.9 | 0.0 | 0.0 | 81.8 | 0.0 | 0.0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LnGrp LOS | A | A | A | A | A | A | F | A | A | F | A | A |
| Approach Vol，veh／h |  | 1371 |  |  | 1709 |  |  | 8 |  |  | 39 |  |
| Approach Delay，s／veh |  | 3.5 |  |  | 0.9 |  |  | 81.9 |  |  | 81.8 |  |
| Approach LOS |  | A |  |  | A |  |  | F |  |  | F |  |


| Timer－Assigned Phs | 1 | 2 | 4 | 5 | 6 | 8 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Phs Duration $(G+Y+R c)$ ，s | 11.4 | 118.8 | 7.9 | 0.0 | 130.2 | 11.9 |
| Change Period $(\mathrm{Y}+\mathrm{Rc})$ ，s | 6.8 | 6.8 | 5.9 | 6.8 | 6.8 | 6.3 |
| Max Green Setting（Gmax），s | 14.2 | 86.2 | 10.1 | 8.2 | 92.2 | 13.7 |
| Max Q Clear Time（g＿c＋11），s | 3.2 | 2.6 | 2.7 | 0.0 | 11.0 | 5.5 |
| Green Ext Time（p＿C），s | 0.1 | 30.5 | 0.0 | 0.0 | 18.1 | 0.1 |

## Intersection Summary

| HCM 6th Ctrl Delay | 3.2 |
| :--- | ---: |
| HCM 6th LOS | A |

## Notes

User approved pedestrian interval to be less than phase max green．

2: SW Sisters Welcome Rd \& US 90

|  | 4 | $\rightarrow$ | 7 | $\downarrow$ | 4 |  | $\ddagger$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | EBL | EBT | WBL | WBT | NBL | NBT | SBT |
| Lane Configurations | ${ }^{1}$ | 44\% | 1 | 性 6 | ${ }^{1}$ | $\uparrow$ | 4 |
| Traffic Volume (vph) | 9 | 1129 | 160 | 1496 | 157 | 3 | 6 |
| Future Volume (vph) | 9 | 1129 | 160 | 1496 | 157 | 3 | 6 |
| Turn Type | pm+pt | NA | pm+pt | NA | Split | NA | NA |
| Protected Phases | 1 | 6 | 5 | 2 | 4 | 4 | 8 |
| Permitted Phases | 6 |  | 2 |  |  |  |  |
| Detector Phase | 1 | 6 | 5 | 2 | 4 | 4 | 8 |
| Switch Phase |  |  |  |  |  |  |  |
| Minimum Initial (s) | 5.0 | 15.0 | 5.0 | 15.0 | 7.0 | 7.0 | 7.0 |
| Minimum Split (s) | 11.9 | 36.9 | 11.9 | 25.9 | 37.1 | 37.1 | 40.1 |
| Total Split (s) | 15.0 | 75.0 | 31.0 | 91.0 | 27.0 | 27.0 | 17.0 |
| Total Split (\%) | 10.0\% | 50.0\% | 20.7\% | 60.7\% | 18.0\% | 18.0\% | 11.3\% |
| Yellow Time (s) | 4.9 | 4.9 | 4.9 | 4.9 | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.0 | 2.0 | 2.0 | 2.0 | 2.4 | 2.4 | 2.4 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 6.9 | 6.9 | 6.9 | 6.9 | 6.1 | 6.1 | 6.1 |
| Lead/Lag | Lead | Lag | Lead | Lag |  |  |  |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes |  |  |  |
| Recall Mode | None | Max | None | C-Max | None | None | None |

## Intersection Summary

Cycle Length: 150
Actuated Cycle Length: 150
Offset: 47 (31\%), Referenced to phase 2:WBTL, Start of Yellow
Natural Cycle: 140
Control Type: Actuated-Coordinated
Splits and Phases: 2: SW Sisters Welcome Rd \& US 90



## Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



## Intersection Summary

Cycle Length: 150
Actuated Cycle Length: 150
Offset: 60 (40\%), Referenced to phase 2:WBTL, Start of Yellow
Natural Cycle: 70
Control Type: Actuated-Coordinated
Splits and Phases: 1: Driveway/NW Ridgewood Ave \& US 90


|  | $\dagger$ |  |  | 7 |  |  |  | 4 |  |  | $\downarrow$ | $\downarrow$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| Lane Configurations | ${ }^{7}$ | 快 ${ }^{\text {a }}$ |  | \% | 檪 |  |  | ¢ |  |  | $\uparrow$ |  |
| Traffic Volume (veh/h) | 64 | 1234 | 3 | 2 | 1634 | 27 | 2 | 0 | 1 | 16 | 0 | 80 |
| Future Volume (veh/h) | 64 | 1234 | 3 | 2 | 1634 | 27 | 2 | 0 | 1 | 16 | 0 | 80 |
| Initial $\mathrm{Q}(\mathrm{Qb})$, veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped-Bike Adj(A_pbT) | 1.00 |  | 0.98 | 1.00 |  | 0.97 | 1.00 |  | 1.00 | 1.00 |  | 1.00 |
| Parking Bus, Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach |  | No |  |  | No |  |  | No |  |  | No |  |
| Adj Sat Flow, veh/h/ln | 1856 | 1856 | 1856 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 |
| Adj Flow Rate, veh/h | 65 | 1246 | 3 | 2 | 1651 | 25 | 2 | 0 | 1 | 16 | 0 | 25 |
| Peak Hour Factor | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| Percent Heavy Veh, \% | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Cap, veh/h | 324 | 4078 | 10 | 370 | 3901 | 59 | 6 | 0 | , | 25 | 0 | 39 |
| Arrive On Green | 0.03 | 0.78 | 0.78 | 0.00 | 1.00 | 1.00 | 0.01 | 0.00 | 0.01 | 0.04 | 0.00 | 0.04 |
| Sat Flow, veh/h | 1767 | 5217 | 13 | 1781 | 5179 | 78 | 1140 | 0 | 570 | 646 | 0 | 1010 |
| Grp Volume(v), veh/h | 65 | 806 | 443 | 2 | 1085 | 591 | 3 | 0 | 0 | 41 | 0 | 0 |
| Grp Sat Flow(s),veh/h/ln | 1767 | 1689 | 1853 | 1781 | 1702 | 1854 | 1711 | 0 | 0 | 1656 | 0 | 0 |
| Q Serve(g_s), s | 1.2 | 10.3 | 10.3 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 3.7 | 0.0 | 0.0 |
| Cycle Q Clear(g_c), s | 1.2 | 10.3 | 10.3 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 3.7 | 0.0 | 0.0 |
| Prop In Lane | 1.00 |  | 0.01 | 1.00 |  | 0.04 | 0.67 |  | 0.33 | 0.39 |  | 0.61 |
| Lane Grp Cap(c), veh/h | 324 | 2640 | 1448 | 370 | 2564 | 1396 | 9 | 0 | 0 | 63 | 0 | 0 |
| V/C Ratio(X) | 0.20 | 0.31 | 0.31 | 0.01 | 0.42 | 0.42 | 0.32 | 0.00 | 0.00 | 0.65 | 0.00 | 0.00 |
| Avail Cap(c_a), veh/h | 436 | 2640 | 1448 | 463 | 2564 | 1396 | 115 | 0 | 0 | 151 | - | 0 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.33 | 1.33 | 1.33 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter(1) | 0.91 | 0.91 | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| Uniform Delay (d), s/veh | 3.6 | 4.7 | 4.7 | 4.6 | 0.0 | 0.0 | 74.3 | 0.0 | 0.0 | 71.1 | 0.0 | 0.0 |
| Incr Delay (d2), s/veh | 0.3 | 0.3 | 0.5 | 0.0 | 0.5 | 0.9 | 18.4 | 0.0 | 0.0 | 10.6 | 0.0 | 0.0 |
| Initial Q Delay(d3),s/veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| \%ile BackOfQ(95\%),veh/ln | 0.7 | 5.4 | 6.2 | 0.0 | 0.3 | 0.7 | 0.3 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 |
| Unsig. Movement Delay, s/veh |  |  |  |  |  |  |  |  |  |  |  |  |
| LnGrp Delay (d),s/veh | 3.9 | 5.0 | 5.2 | 4.6 | 0.5 | 0.9 | 92.7 | 0.0 | 0.0 | 81.7 | 0.0 | 0.0 |
| LnGrp LOS | A | A | A | A | A | A | F | A | A | F | A | A |
| Approach Vol, veh/h |  | 1314 |  |  | 1678 |  |  | 3 |  |  | 41 |  |
| Approach Delay, s/veh |  | 5.0 |  |  | 0.7 |  |  | 92.7 |  |  | 81.7 |  |
| Approach LOS |  | A |  |  | A |  |  | F |  |  | F |  |
| Timer - Assigned Phs | 1 | 2 |  | 4 | 5 | 6 |  | 8 |  |  |  |  |
| Phs Duration ( $G+Y+R \mathrm{c}$ ), $s$ | 11.5 | 119.8 |  | 6.7 | 7.2 | 124.0 |  | 12.0 |  |  |  |  |
| Change Period ( $Y+R \mathrm{R}$ ), s | 6.8 | 6.8 |  | 5.9 | 6.8 | 6.8 |  | 6.3 |  |  |  |  |
| Max Green Setting (Gmax), s | 14.2 | 86.2 |  | 10.1 | 8.2 | 92.2 |  | 13.7 |  |  |  |  |
| Max Q Clear Time (g_c+11), s | 3.2 | 2.0 |  | 2.3 | 2.0 | 12.3 |  | 5.7 |  |  |  |  |
| Green Ext Time (p_c), s | 0.1 | 29.3 |  | 0.0 | 0.0 | 16.6 |  | 0.1 |  |  |  |  |
| Intersection Summary |  |  |  |  |  |  |  |  |  |  |  |  |
| HCM 6th Ctrl DelayHCM 6th LOS |  |  | 3.7 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

## Notes

User approved pedestrian interval to be less than phase max green.

2：SW Sisters Welcome Rd \＆US 90

|  | 4 |  | 4 | $\leftarrow$ | 4 | $\dagger$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | EBL | EBT | WBL | WBT | NBL | NBT | SBT |
| Lane Configurations | ${ }^{1 /}$ | 性中 | ${ }^{7}$ | 紈 | ${ }^{1 /}$ | $\uparrow$ | \＆ |
| Traffic Volume（vph） | 16 | 1130 | 161 | 1526 | 107 | 11 | 11 |
| Future Volume（vph） | 16 | 1130 | 161 | 1526 | 107 | 11 | 11 |
| Turn Type | pm＋pt | NA | pm＋pt | NA | Split | NA | NA |
| Protected Phases | 1 | 6 | 5 | 2 | 4 | 4 | 8 |
| Permitted Phases | 6 |  | 2 |  |  |  |  |
| Detector Phase | 1 | 6 | 5 | 2 | 4 | 4 | 8 |
| Switch Phase |  |  |  |  |  |  |  |
| Minimum Initial（s） | 5.0 | 15.0 | 5.0 | 15.0 | 7.0 | 7.0 | 7.0 |
| Minimum Split（s） | 11.9 | 36.9 | 11.9 | 25.9 | 37.1 | 37.1 | 40.1 |
| Total Split（s） | 11.9 | 51.8 | 21.0 | 60.9 | 37.1 | 37.1 | 40.1 |
| Total Split（\％） | 7．9\％ | 34．5\％ | 14．0\％ | 40．6\％ | 24．7\％ | 24．7\％ | 26．7\％ |
| Yellow Time（s） | 4.9 | 4.9 | 4.9 | 4.9 | 3.7 | 3.7 | 3.7 |
| All－Red Time（s） | 2.0 | 2.0 | 2.0 | 2.0 | 2.4 | 2.4 | 2.4 |
| Lost Time Adjust（s） | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time（s） | 6.9 | 6.9 | 6.9 | 6.9 | 6.1 | 6.1 | 6.1 |
| Lead／Lag | Lead | Lag | Lead | Lag |  |  |  |
| Lead－Lag Optimize？ | Yes | Yes | Yes | Yes |  |  |  |
| Recall Mode | None | Max | None | C－Max | None | None | None |

## Intersection Summary

Cycle Length： 150
Actuated Cycle Length： 150
Offset： 47 （31\％），Referenced to phase 2：WBTL，Start of Yellow
Natural Cycle： 130
Control Type：Actuated－Coordinated
Splits and Phases：2：SW Sisters Welcome Rd \＆US 90


|  | 4 |  |  | 7 |  | 4 | $4$ | 4 | 7 |  | $\downarrow$ | $\downarrow$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| Lane Configurations | ${ }^{1}$ | 性 F |  | ${ }^{*}$ | 性中 |  | ${ }^{*}$ | $\uparrow$ |  |  | \＄ |  |
| Traffic Volume（veh／h） | 16 | 1130 | 109 | 161 | 1526 | 0 | 107 | 11 | 148 | 15 | 11 | 28 |
| Future Volume（veh／h） | 16 | 1130 | 109 | 161 | 1526 | 0 | 107 | 11 | 148 | 15 | 11 | 28 |
| Initial Q（Qb），veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped－Bike Adj（A＿pbT） | 1.00 |  | 1.00 | 1.00 |  | 1.00 | 1.00 |  | 1.00 | 1.00 |  | 1.00 |
| Parking Bus，Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach |  | No |  |  | No |  |  | No |  |  | No |  |
| Adj Sat Flow，veh／h／ln | 1856 | 1856 | 1856 | 1870 | 1870 | 1870 | 1826 | 1826 | 1826 | 1870 | 1870 | 1870 |
| Adj Flow Rate，veh／h | 16 | 1130 | 108 | 161 | 1526 | 0 | 107 | 11 | 58 | 15 | 11 | 22 |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Percent Heavy Veh，\％ | 3 | 3 | 3 | 2 | 2 | 2 | 5 | 5 | 5 | 2 | 2 | 2 |
| Cap，veh／h | 297 | 3114 | 297 | 377 | 3525 | 0 | 139 | 20 | 106 | 21 | 16 | 31 |
| Arrive On Green | 0.02 | 0.66 | 0.66 | 0.06 | 0.92 | 0.00 | 0.08 | 0.08 | 0.08 | 0.04 | 0.04 | 0.04 |
| Sat Flow，veh／h | 1767 | 4702 | 449 | 1781 | 5274 | 0 | 1739 | 253 | 1333 | 532 | 390 | 781 |
| Grp Volume（v），veh／h | 16 | 811 | 427 | 161 | 1526 | 0 | 107 | 0 | 69 | 48 | 0 | 0 |
| Grp Sat Flow（s），veh／h／ln | 1767 | 1689 | 1774 | 1781 | 1702 | 0 | 1739 | 0 | 1586 | 1703 | 0 | 0 |
| Q Serve（g＿s），s | 0.4 | 16.0 | 16.0 | 4.5 | 6.1 | 0.0 | 9.1 | 0.0 | 6.3 | 4.2 | 0.0 | 0.0 |
| Cycle Q Clear（g＿c），s | 0.4 | 16.0 | 16.0 | 4.5 | 6.1 | 0.0 | 9.1 | 0.0 | 6.3 | 4.2 | 0.0 | 0.0 |
| Prop In Lane | 1.00 |  | 0.25 | 1.00 |  | 0.00 | 1.00 |  | 0.84 | 0.31 |  | 0.46 |
| Lane Grp Cap（c），veh／h | 297 | 2236 | 1175 | 377 | 3525 | 0 | 139 | 0 | 126 | 69 | 0 | 0 |
| V／C Ratio（X） | 0.05 | 0.36 | 0.36 | 0.43 | 0.43 | 0.00 | 0.77 | 0.00 | 0.55 | 0.70 | 0.00 | 0.00 |
| Avail Cap（c＿a），veh／h | 327 | 2236 | 1175 | 465 | 3525 | 0 | 359 | 0 | 328 | 386 | 0 | 0 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.33 | 1.33 | 1.33 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter（I） | 1.00 | 1.00 | 1.00 | 0.91 | 0.91 | 0.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.00 |
| Uniform Delay（d），s／veh | 7.8 | 11.3 | 11.3 | 8.3 | 2.1 | 0.0 | 67.7 | 0.0 | 66.4 | 71.1 | 0.0 | 0.0 |
| Incr Delay（d2），s／veh | 0.1 | 0.5 | 0.9 | 0.7 | 0.4 | 0.0 | 12.1 | 0.0 | 5.1 | 16.6 | 0.0 | 0.0 |
| Initial Q Delay（d3），s／veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| \％ile BackOfQ（95\％），veh／ln | 0.3 | 9.7 | 10.3 | 2.8 | 2.7 | 0.0 | 8.0 | 0.0 | 4.9 | 3.9 | 0.0 | 0.0 |
| Unsig．Movement Delay，s／veh |  |  |  |  |  |  |  |  |  |  |  |  |
| LnGrp Delay（d），s／veh | 7.9 | 11.7 | 12.1 | 9.0 | 2.5 | 0.0 | 79.8 | 0.0 | 71.6 | 87.7 | 0.0 | 0.0 |
| LnGrp LOS | A | B | B | A | A | A | E | A | E | F | A | A |
| Approach Vol，veh／h |  | 1254 |  |  | 1687 |  |  | 176 |  |  | 48 |  |
| Approach Delay，s／veh |  | 11.8 |  |  | 3.1 |  |  | 76.6 |  |  | 87.7 |  |
| Approach LOS |  | B |  |  | A |  |  | E |  |  | F |  |
| Timer－Assigned Phs | 1 | 2 |  | 4 | 5 | 6 |  | 8 |  |  |  |  |
| Phs Duration（ $\mathrm{G}+\mathrm{Y}+\mathrm{Rc}$ ）， s | 9.3 | 110.5 |  | 18.1 | 13.6 | 106.2 |  | 12.2 |  |  |  |  |
| Change Period（ $\mathrm{Y}+\mathrm{Rc}$ ），s | 6.9 | 6.9 |  | ＊ 6.1 | 6.9 | 6.9 |  | 6.1 |  |  |  |  |
| Max Green Setting（Gmax），s | 5.0 | 54.0 |  | ＊ 31 | 14.1 | 44.9 |  | 34.0 |  |  |  |  |
| Max Q Clear Time（g＿c＋l1），s | 2.4 | 8.1 |  | 11.1 | 6.5 | 18.0 |  | 6.2 |  |  |  |  |
| Green Ext Time（p＿c），s | 0.0 | 21.5 |  | 0.9 | 0.2 | 12.3 |  | 0.3 |  |  |  |  |
| Intersection Summary |  |  |  |  |  |  |  |  |  |  |  |  |
| HCM 6th Ctrl Delay |  |  | 11.9 |  |  |  |  |  |  |  |  |  |
| HCM 6th LOS |  |  | B |  |  |  |  |  |  |  |  |  |

## Notes

User approved pedestrian interval to be less than phase max green．
＊HCM 6th computational engine requires equal clearance times for the phases crossing the barrier．


## Intersection Summary

Cycle Length: 130
Actuated Cycle Length: 130
Offset: 17 (13\%), Referenced to phase 2:WBTL, Start of Yellow
Natural Cycle: 135
Control Type: Actuated-Coordinated

Splits and Phases: 1: Driveway/NW Ridgewood Ave \& US 90


| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Configurations | ${ }^{7}$ | 惺 |  | ${ }_{1}$ | 性\% |  |  | \$ |  |  | $\$$ |  |
| Traffic Volume (veh/h) | 61 | 1379 | 0 | 3 | 890 | 13 | 4 | 0 | 0 | 9 | 0 | 45 |
| Future Volume (veh/h) | 61 | 1379 | 0 | 3 | 890 | 13 | 4 | 0 | 0 | 9 | 0 | 45 |
| Initial Q (Qb), veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped-Bike Adj(A_pbT) | 1.00 |  | 1.00 | 1.00 |  | 1.00 | 1.00 |  | 1.00 | 1.00 |  | 1.00 |
| Parking Bus, Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach |  | No |  |  | No |  |  | No |  |  | No |  |
| Adj Sat Flow, veh/h/ln | 1856 | 1856 | 1856 | 1796 | 1796 | 1796 | 1870 | 1870 | 1870 | 1781 | 1781 | 1781 |
| Adj Flow Rate, veh/h | 72 | 1622 | 0 | 4 | 1047 | 13 | 5 | 0 | 0 | 11 | 0 | 15 |
| Peak Hour Factor | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 |
| Percent Heavy Veh, \% | 3 | 3 | 3 | 7 | 7 | 7 | 2 | 2 | 2 | 8 | 8 | 8 |
| Cap, veh/h | 495 | 3823 | 0 | 255 | 3616 | 45 | 16 | 0 | 0 | 22 | 0 | 30 |
| Arrive On Green | 0.04 | 0.75 | 0.00 | 0.01 | 0.96 | 0.96 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.03 |
| Sat Flow, veh/h | 1767 | 5233 | 0 | 1711 | 4992 | 62 | 1781 | 0 | 0 | 670 | 0 | 914 |
| Grp Volume(v), veh/h | 72 | 1622 | 0 | 4 | 686 | 374 | 5 | 0 | 0 | 26 | 0 | 0 |
| Grp Sat Flow(s),veh/h/ln | 1767 | 1689 | 0 | 1711 | 1635 | 1785 | 1781 | 0 | 0 | 1584 | 0 | 0 |
| Q Serve(g_s), s | 1.3 | 15.0 | 0.0 | 0.1 | 1.4 | 1.4 | 0.4 | 0.0 | 0.0 | 2.1 | 0.0 | 0.0 |
| Cycle Q Clear(g_c), s | 1.3 | 15.0 | 0.0 | 0.1 | 1.4 | 1.4 | 0.4 | 0.0 | 0.0 | 2.1 | 0.0 | 0.0 |
| Prop In Lane | 1.00 |  | 0.00 | 1.00 |  | 0.03 | 1.00 |  | 0.00 | 0.42 |  | 0.58 |
| Lane Grp Cap(c), veh/h | 495 | 3823 | 0 | 255 | 2368 | 1293 | 16 | 0 | 0 | 52 | 0 | 0 |
| V/C Ratio(X) | 0.15 | 0.42 | 0.00 | 0.02 | 0.29 | 0.29 | 0.32 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 |
| Avail Cap(c_a), veh/h | 652 | 3823 | 0 | 354 | 2368 | 1293 | 138 | 0 | 0 | 130 | 0 | 0 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.33 | 1.33 | 1.33 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter(I) | 0.84 | 0.84 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| Uniform Delay (d), s/veh | 3.9 | 5.8 | 0.0 | 5.2 | 0.7 | 0.7 | 64.0 | 0.0 | 0.0 | 61.8 | 0.0 | 0.0 |
| Incr Delay (d2), s/veh | 0.1 | 0.3 | 0.0 | 0.0 | 0.3 | 0.6 | 10.9 | 0.0 | 0.0 | 7.3 | 0.0 | 0.0 |
| Initial Q Delay(d3),s/veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| \%ile BackOfQ(95\%),veh/ln | 0.7 | 7.4 | 0.0 | 0.0 | 0.7 | 1.0 | 0.4 | 0.0 | 0.0 | 1.7 | 0.0 | 0.0 |

Unsig. Movement Delay, s/veh

| LnGrp Delay(d), s/veh | 4.0 | 6.0 | 0.0 | 5.3 | 1.0 | 1.3 | 75.0 | 0.0 | 0.0 | 69.1 | 0.0 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| LnGrp LOS | A | A | A | A | A | A | E | A | A | E | A |
| Approach Vol, veh/h |  | 1694 |  |  | 1064 |  |  | 5 |  | A |  |
| Approach Delay, s/veh |  | 6.0 |  |  | 1.1 |  |  | 75.0 |  | 69.1 |  |
| Approach LOS | A |  |  | A |  |  | E |  |  |  |  |


| Timer - Assigned Phs | 1 | 2 | 4 | 5 | 6 | 8 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Phs Duration (G+Y+Rc), s | 11.4 | 101.0 | 7.1 | 7.5 | 104.9 | 10.6 |
| Change Period (Y+Rc), s | 6.8 | 6.8 | 5.9 | 6.8 | 6.8 | 6.3 |
| Max Green Setting (Gmax), s | 16.2 | 67.2 | 10.1 | 8.2 | 75.2 | 10.7 |
| Max Q Clear Time (g_c+11), s | 3.3 | 3.4 | 2.4 | 2.1 | 17.0 | 4.1 |
| Green Ext Time (p_c), s | 0.1 | 12.6 | 0.0 | 0.0 | 26.1 | 0.0 |

## Intersection Summary

| HCM 6th Ctrl Delay | 4.8 |
| :--- | ---: |
| HCM 6th LOS | A |

## Notes

User approved pedestrian interval to be less than phase max green.

2: SW Sisters Welcome Rd \& US 90

|  | 4 |  | $\%$ | $\Perp$ | 4 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | EBL | EBT | WBL | WBT | NBL | NBT | SBT |
| Lane Configurations | ${ }^{7}$ | 虾 | ${ }^{7}$ | 虾 | ${ }^{*}$ | $\uparrow$ |  |
| Traffic Volume (vph) | 8 | 1197 | 131 | 803 | 112 | 1 | 2 |
| Future Volume (vph) | 8 | 1197 | 131 | 803 | 112 | 1 | 2 |
| Turn Type | pm+pt | NA | pm+pt | NA | Split | NA | NA |
| Protected Phases | 1 | 6 | 5 | 2 | 4 | 4 | 8 |
| Permitted Phases | 6 |  | 2 |  |  |  |  |
| Detector Phase | 1 | 6 | 5 | 2 | 4 | 4 | 8 |
| Switch Phase |  |  |  |  |  |  |  |
| Minimum Initial (s) | 5.0 | 15.0 | 5.0 | 15.0 | 7.0 | 7.0 | 7.0 |
| Minimum Split (s) | 11.9 | 36.9 | 11.9 | 25.9 | 37.1 | 37.1 | 40.1 |
| Total Split (s) | 15.0 | 62.0 | 29.0 | 76.0 | 22.0 | 22.0 | 17.0 |
| Total Split (\%) | 11.5\% | 47.7\% | 22.3\% | 58.5\% | 16.9\% | 16.9\% | 13.1\% |
| Yellow Time (s) | 4.9 | 4.9 | 4.9 | 4.9 | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.0 | 2.0 | 2.0 | 2.0 | 2.4 | 2.4 | 2.4 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 6.9 | 6.9 | 6.9 | 6.9 | 6.1 | 6.1 | 6.1 |
| Lead/Lag | Lead | Lag | Lead | Lag |  |  |  |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes |  |  |  |
| Recall Mode | None | Max | None | C-Max | None | None | None |

## Intersection Summary

Cycle Length: 130
Actuated Cycle Length: 130
Offset: 9 (7\%), Referenced to phase 2:WBTL, Start of Yellow
Natural Cycle: 140
Control Type: Actuated-Coordinated

Splits and Phases: 2: SW Sisters Welcome Rd \& US 90


|  | $\rangle$ |  |  | 7 |  |  | 4 | $\uparrow$ | > |  | $\downarrow$ | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| Lane Configurations | ${ }^{7}$ | 快 |  | \% | 惺 |  | \% | $\uparrow$ |  |  | \$ |  |
| Traffic Volume (veh/h) | 8 | 1197 | 125 | 131 | 803 | 0 | 112 | 1 | 225 | 11 | 2 | 8 |
| Future Volume (veh/h) | 8 | 1197 | 125 | 131 | 803 | 0 | 112 | 1 | 225 | 11 | 2 | 8 |
| Initial $\mathrm{Q}(\mathrm{Qb})$, veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped-Bike Adj(A_pbT) | 1.00 |  | 0.98 | 1.00 |  | 1.00 | 1.00 |  | 1.00 | 1.00 |  | 1.00 |
| Parking Bus, Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach |  | No |  |  | No |  |  | No |  |  | No |  |
| Adj Sat Flow, veh/h/ln | 1856 | 1856 | 1856 | 1796 | 1796 | 1796 | 1841 | 1841 | 1841 | 1870 | 1870 | 1870 |
| Adj Flow Rate, veh/h | 9 | 1360 | 140 | 149 | 912 | 0 | 127 | 1 | 140 | 12 | 2 | 6 |
| Peak Hour Factor | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| Percent Heavy Veh, \% | 3 | 3 | 3 | 7 | 7 | 7 | 4 | 4 | 4 | 2 | 2 | 2 |
| Cap, veh/h | 448 | 2865 | 295 | 294 | 3211 | 0 | 187 | 1 | 166 | 29 | 5 | 14 |
| Arrive On Green | 0.01 | 0.62 | 0.62 | 0.07 | 0.87 | 0.00 | 0.11 | 0.11 | 0.11 | 0.03 | 0.03 | 0.03 |
| Sat Flow, veh/h | 1767 | 4654 | 479 | 1711 | 5065 | 0 | 1753 | 11 | 1551 | 1035 | 173 | 518 |
| Grp Volume(v), veh/h | 9 | 987 | 513 | 149 | 912 | 0 | 127 | 0 | 141 | 20 | 0 | 0 |
| Grp Sat Flow(s),veh/h/ln | 1767 | 1689 | 1756 | 1711 | 1635 | 0 | 1753 | 0 | 1562 | 1725 | 0 | 0 |
| Q Serve(g_s), s | 0.2 | 20.6 | 20.6 | 4.2 | 4.1 | 0.0 | 9.1 | 0.0 | 11.5 | 1.5 | 0.0 | 0.0 |
| Cycle Q Clear(g_c), s | 0.2 | 20.6 | 20.6 | 4.2 | 4.1 | 0.0 | 9.1 | 0.0 | 11.5 | 1.5 | 0.0 | 0.0 |
| Prop In Lane | 1.00 |  | 0.27 | 1.00 |  | 0.00 | 1.00 |  | 0.99 | 0.60 |  | 0.30 |
| Lane Grp Cap(c), veh/h | 448 | 2079 | 1081 | 294 | 3211 | 0 | 187 | 0 | 167 | 48 | 0 | 0 |
| V/C Ratio(X) | 0.02 | 0.47 | 0.47 | 0.51 | 0.28 | 0.00 | 0.68 | 0.00 | 0.84 | 0.42 | 0.00 | 0.00 |
| Avail Cap(c_a), veh/h | 539 | 2079 | 1081 | 500 | 3211 | 0 | 214 | 0 | 191 | 145 | 0 | 0 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.33 | 1.33 | 1.33 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter(1) | 1.00 | 1.00 | 1.00 | 0.97 | 0.97 | 0.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.00 |
| Uniform Delay (d), s/veh | 9.1 | 13.6 | 13.6 | 10.7 | 3.2 | 0.0 | 55.9 | 0.0 | 57.0 | 62.2 | 0.0 | 0.0 |
| Incr Delay (d2), s/veh | 0.0 | 0.8 | 1.5 | 1.3 | 0.2 | 0.0 | 8.3 | 0.0 | 27.0 | 8.1 | 0.0 | 0.0 |
| Initial Q Delay(d3),s/veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| \%oile BackOfQ(95\%),veh/ln | 0.2 | 11.9 | 12.6 | 2.6 | 2.1 | 0.0 | 7.9 | 0.0 | 9.7 | 1.4 | 0.0 | 0.0 |
| Unsig. Movement Delay, s/veh |  |  |  |  |  |  |  |  |  |  |  |  |
| LnGrp Delay(d),s/veh | 9.1 | 14.3 | 15.1 | 12.0 | 3.4 | 0.0 | 64.2 | 0.0 | 84.0 | 70.3 | 0.0 | 0.0 |
| LnGrp LOS | A | B | B | B | A | A | E | A | F | E | A | A |
| Approach Vol, veh/h |  | 1509 |  |  | 1061 |  |  | 268 |  |  | 20 |  |
| Approach Delay, s/veh |  | 14.6 |  |  | 4.6 |  |  | 74.6 |  |  | 70.3 |  |
| Approach LOS |  | B |  |  | A |  |  | E |  |  | E |  |
| Timer - Assigned Phs | 1 | 2 |  | 4 | 5 | 6 |  | 8 |  |  |  |  |
| Phs Duration ( $G+Y+R \mathrm{c}$ ), $s$ | 8.3 | 92.0 |  | 20.0 | 13.4 | 86.9 |  | 9.7 |  |  |  |  |
| Change Period ( $\mathrm{Y}+\mathrm{Rc}$ ), s | 6.9 | 6.9 |  | * 6.1 | 6.9 | 6.9 |  | 6.1 |  |  |  |  |
| Max Green Setting (Gmax), s | 8.1 | 69.1 |  | *16 | 22.1 | 55.1 |  | 10.9 |  |  |  |  |
| Max Q Clear Time (g_c+1), s | 2.2 | 6.1 |  | 13.5 | 6.2 | 22.6 |  | 3.5 |  |  |  |  |
| Green Ext Time (p_c), s | 0.0 | 10.8 |  | 0.4 | 0.3 | 17.1 |  | 0.0 |  |  |  |  |
| Intersection Summary |  |  |  |  |  |  |  |  |  |  |  |  |
| HCM 6th Ctrl DelayHCM 6th LOS |  |  | 16.9 |  |  |  |  |  |  |  |  |  |
|  |  |  | B |  |  |  |  |  |  |  |  |  |

## Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

1: Driveway/NW Ridgewood Ave \& US 90


Cycle Length: 150
Actuated Cycle Length: 150
Offset: 60 (40\%), Referenced to phase 2:WBTL, Start of Yellow
Natural Cycle: 70
Control Type: Actuated-Coordinated
Splits and Phases: 1: Driveway/NW Ridgewood Ave \& US 90


| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Configurations | ${ }_{1}$ | 个中t |  | \％ | 蚛 |  |  | ¢ |  |  | ${ }_{\$}$ |  |
| Traffic Volume（veh／h） | 61 | 1275 | 7 | 0 | 1646 | 29 | 7 | 0 | 1 | 14 | 0 | 67 |
| Future Volume（veh／h） | 61 | 1275 | 7 | 0 | 1646 | 29 | 7 | 0 | 1 | 14 | 0 | 67 |
| Initial $\mathrm{Q}(\mathrm{Qb})$ ，veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped－Bike Adj（A＿pbT） | 1.00 |  | 0.98 | 1.00 |  | 0.98 | 1.00 |  | 1.00 | 1.00 |  | 1.00 |
| Parking Bus，Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach |  | No |  |  | No |  |  | No |  |  | No |  |
| Adj Sat Flow，veh／h／ln | 1841 | 1841 | 1841 | 1856 | 1856 | 1856 | 1870 | 1870 | 1870 | 1841 | 1841 | 1841 |
| Adj Flow Rate，veh／h | 64 | 1328 | 7 | 0 | 1715 | 29 | 7 | 0 | 1 | 15 | 0 | 25 |
| Peak Hour Factor | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| Percent Heavy Veh，\％ | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 4 | 4 | 4 |
| Cap，veh／h | 304 | 4241 | 22 | 352 | 3825 | 65 | 20 | 0 | 3 | 23 | 0 | 38 |
| Arrive On Green | 0.03 | 0.82 | 0.82 | 0.00 | 0.99 | 0.99 | 0.01 | 0.00 | 0.01 | 0.04 | 0.00 | 0.04 |
| Sat Flow，veh／h | 1753 | 5158 | 27 | 1767 | 5128 | 87 | 1535 | 0 | 219 | 610 | 0 | 1017 |
| Grp Volume（v），veh／h | 64 | 863 | 472 | 0 | 1129 | 615 | 8 | 0 | 0 | 40 | 0 | 0 |
| Grp Sat Flow（s），veh／h／ln | 1753 | 1675 | 1835 | 1767 | 1689 | 1838 | 1754 | 0 | 0 | 1627 | 0 | 0 |
| Q Serve（g＿s），s | 1.2 | 9.2 | 9.2 | 0.0 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 3.6 | 0.0 | 0.0 |
| Cycle Q Clear（g＿c），s | 1.2 | 9.2 | 9.2 | 0.0 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 3.6 | 0.0 | 0.0 |
| Prop In Lane | 1.00 |  | 0.01 | 1.00 |  | 0.05 | 0.87 |  | 0.12 | 0.37 |  | 0.62 |
| Lane Grp Cap（c），veh／h | 304 | 2755 | 1509 | 352 | 2519 | 1371 | 23 | 0 | 0 | 62 | 0 | 0 |
| V／C Ratio（X） | 0.21 | 0.31 | 0.31 | 0.00 | 0.45 | 0.45 | 0.34 | 0.00 | 0.00 | 0.65 | 0.00 | 0.00 |
| Avail Cap（c＿a），veh／h | 416 | 2755 | 1509 | 448 | 2519 | 1371 | 118 | 0 | 0 | 149 | 0 | 0 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.33 | 1.33 | 1.33 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter（l） | 0.88 | 0.88 | 0.88 | 0.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| Uniform Delay（d），s／veh | 3.5 | 3.2 | 3.2 | 0.0 | 0.2 | 0.2 | 73.4 | 0.0 | 0.0 | 71.2 | 0.0 | 0.0 |
| Incr Delay（d2），s／veh | 0.3 | 0.3 | 0.5 | 0.0 | 0.6 | 1.1 | 8.6 | 0.0 | 0.0 | 10.9 | 0.0 | 0.0 |
| Initial Q Delay（d3），s／veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| \％ile BackOfQ（95\％），veh／ln | 0.7 | 4.2 | 4.8 | 0.0 | 0.6 | 1.0 | 0.7 | 0.0 | 0.0 | 3.1 | 0.0 | 0.0 |
| Unsig．Movement Delay，s／veh |  |  |  |  |  |  |  |  |  |  |  |  |
| LnGrp Delay（d），s／veh | 3.8 | 3.5 | 3.7 | 0.0 | 0.7 | 1.2 | 81.9 | 0.0 | 0.0 | 82.1 | 0.0 | 0.0 |
| LnGrp LOS | A | A | A | A | A | A | F | A | A | F | A | A |
| Approach Vol，veh／h |  | 1399 |  |  | 1744 |  |  | 8 |  |  | 40 |  |
| Approach Delay，s／veh |  | 3.5 |  |  | 0.9 |  |  | 81.9 |  |  | 82.1 |  |
| Approach LOS |  | A |  |  | A |  |  | F |  |  | F |  |


| Timer－Assigned Phs | 1 | 2 | 4 | 5 | 6 | 8 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Phs Duration（G＋Y＋Rc），s | 11.5 | 118.7 | 7.9 | 0.0 | 130.1 | 12.0 |
| Change Period（Y＋Rc），s | 6.8 | 6.8 | 5.9 | 6.8 | 6.8 | 6.3 |
| Max Green Setting（Gmax），s | 14.2 | 86.2 | 10.1 | 8.2 | 92.2 | 13.7 |
| Max Q Clear Time（g＿c＋11），s | 3.2 | 2.7 | 2.7 | 0.0 | 11.2 | 5.6 |
| Green Ext Time（p＿c），s | 0.1 | 31.7 | 0.0 | 0.0 | 18.8 | 0.1 |

## Intersection Summary

| HCM 6th Ctrl Delay | 3.3 |
| :--- | ---: |
| HCM 6th LOS | A |

## Notes

User approved pedestrian interval to be less than phase max green．

2: SW Sisters Welcome Rd \& US 90

|  | 4 |  | $\%$ | $\leftarrow$ | 4 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | EBL | EBT | WBL | WBT | NBL | NBT | SBT |
| Lane Configurations | ${ }^{7}$ | 虾 | ${ }^{7}$ | 紈 | ${ }^{7}$ | $\uparrow$ |  |
| Traffic Volume (vph) | 9 | 1152 | 163 | 1526 | 160 | 3 | 6 |
| Future Volume (vph) | 9 | 1152 | 163 | 1526 | 160 | 3 | 6 |
| Turn Type | pm+pt | NA | pm+pt | NA | Split | NA | NA |
| Protected Phases | 1 | 6 | 5 | 2 | 4 | 4 | 8 |
| Permitted Phases | 6 |  | 2 |  |  |  |  |
| Detector Phase | 1 | 6 | 5 | 2 | 4 | 4 | 8 |
| Switch Phase |  |  |  |  |  |  |  |
| Minimum Initial (s) | 5.0 | 15.0 | 5.0 | 15.0 | 7.0 | 7.0 | 7.0 |
| Minimum Split (s) | 11.9 | 36.9 | 11.9 | 25.9 | 37.1 | 37.1 | 40.1 |
| Total Split (s) | 15.0 | 75.0 | 31.0 | 91.0 | 27.0 | 27.0 | 17.0 |
| Total Split (\%) | 10.0\% | 50.0\% | 20.7\% | 60.7\% | 18.0\% | 18.0\% | 11.3\% |
| Yellow Time (s) | 4.9 | 4.9 | 4.9 | 4.9 | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.0 | 2.0 | 2.0 | 2.0 | 2.4 | 2.4 | 2.4 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 6.9 | 6.9 | 6.9 | 6.9 | 6.1 | 6.1 | 6.1 |
| Lead/Lag | Lead | Lag | Lead | Lag |  |  |  |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes |  |  |  |
| Recall Mode | None | Max | None | C-Max | None | None | None |

## Intersection Summary

Cycle Length: 150
Actuated Cycle Length: 150
Offset: 47 (31\%), Referenced to phase 2:WBTL, Start of Yellow
Natural Cycle: 140
Control Type: Actuated-Coordinated
Splits and Phases: 2: SW Sisters Welcome Rd \& US 90


|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |

## Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



## Intersection Summary

Cycle Length: 150
Actuated Cycle Length: 150
Offset: 60 (40\%), Referenced to phase 2:WBTL, Start of Yellow
Natural Cycle: 70
Control Type: Actuated-Coordinated
Splits and Phases: 1: Driveway/NW Ridgewood Ave \& US 90


| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Configurations | ${ }^{1}$ | 惺 |  | ${ }^{1}$ | 性\% |  |  | \$ |  |  | $\ddagger$ |  |
| Traffic Volume (veh/h) | 65 | 1259 | 3 | 2 | 1667 | 28 | 2 | 0 | 1 | 16 | 0 | 82 |
| Future Volume (veh/h) | 65 | 1259 | 3 | 2 | 1667 | 28 | 2 | 0 | 1 | 16 | 0 | 82 |
| Initial Q (Qb), veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped-Bike Adj(A_pbT) | 1.00 |  | 0.98 | 1.00 |  | 0.97 | 1.00 |  | 1.00 | 1.00 |  | 1.00 |
| Parking Bus, Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach |  | No |  |  | No |  |  | No |  |  | No |  |
| Adj Sat Flow, veh/h/ln | 1856 | 1856 | 1856 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 |
| Adj Flow Rate, veh/h | 66 | 1272 | 3 | 2 | 1684 | 26 | 2 | 0 | 1 | 16 | 0 | 26 |
| Peak Hour Factor | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| Percent Heavy Veh, \% | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Cap, veh/h | 316 | 4077 | 10 | 361 | 3897 | 60 | 6 | 0 | 3 | 24 | 0 | 39 |
| Arrive On Green | 0.03 | 0.78 | 0.78 | 0.00 | 1.00 | 1.00 | 0.01 | 0.00 | 0.01 | 0.04 | 0.00 | 0.04 |
| Sat Flow, veh/h | 1767 | 5218 | 12 | 1781 | 5178 | 80 | 1140 | 0 | 570 | 630 | 0 | 1024 |
| Grp Volume(v), veh/h | 66 | 823 | 452 | 2 | 1107 | 603 | 3 | 0 | 0 | 42 | 0 | 0 |
| Grp Sat Flow(s),veh/h/ln | 1767 | 1689 | 1853 | 1781 | 1702 | 1853 | 1711 | 0 | 0 | 1654 | 0 | 0 |
| Q Serve(g_s), s | 1.3 | 10.6 | 10.6 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 3.8 | 0.0 | 0.0 |
| Cycle Q Clear(g_c), s | 1.3 | 10.6 | 10.6 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 3.8 | 0.0 | 0.0 |
| Prop In Lane | 1.00 |  | 0.01 | 1.00 |  | 0.04 | 0.67 |  | 0.33 | 0.38 |  | 0.62 |
| Lane Grp Cap(c), veh/h | 316 | 2638 | 1448 | 361 | 2562 | 1395 | 9 | 0 | 0 | 64 | 0 | 0 |
| V/C Ratio(X) | 0.21 | 0.31 | 0.31 | 0.01 | 0.43 | 0.43 | 0.32 | 0.00 | 0.00 | 0.66 | 0.00 | 0.00 |
| Avail Cap(c_a), veh/h | 429 | 2638 | 1448 | 454 | 2562 | 1395 | 115 | 0 | 0 | 151 | 0 | 0 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.33 | 1.33 | 1.33 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter(I) | 0.91 | 0.91 | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| Uniform Delay (d), s/veh | 3.6 | 4.7 | 4.7 | 4.6 | 0.0 | 0.0 | 74.3 | 0.0 | 0.0 | 71.1 | 0.0 | 0.0 |
| Incr Delay (d2), s/veh | 0.3 | 0.3 | 0.5 | 0.0 | 0.5 | 1.0 | 18.4 | 0.0 | 0.0 | 11.0 | 0.0 | 0.0 |
| Initial Q Delay(d3),s/veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| \%ile BackOfQ(95\%),veh/In | 0.7 | 5.6 | 6.4 | 0.0 | 0.3 | 0.7 | 0.3 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 |
| Unsig. Movement Delay, s/veh |  |  |  |  |  |  |  |  |  |  |  |  |
| LnGrp Delay(d),s/veh | 3.9 | 5.0 | 5.3 | 4.6 | 0.5 | 1.0 | 92.7 | 0.0 | 0.0 | 82.1 | 0.0 | 0.0 |
| LnGrp LOS | A | A | A | A | A | A | F | A | A | F | A | A |
| Approach Vol, veh/h |  | 1341 |  |  | 1712 |  |  | 3 |  |  | 42 |  |
| Approach Delay, s/veh |  | 5.0 |  |  | 0.7 |  |  | 92.7 |  |  | 82.1 |  |
| Approach LOS |  | A |  |  | A |  |  | F |  |  | F |  |


| Timer - Assigned Phs | 1 | 2 | 4 | 5 | 6 | 8 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Phs Duration (G+Y+Rc), s | 11.5 | 119.7 | 6.7 | 7.2 | 124.0 | 12.1 |
| Change Period (Y+Rc), s | 6.8 | 6.8 | 5.9 | 6.8 | 6.8 | 6.3 |
| Max Green Setting (Gmax), s | 14.2 | 86.2 | 10.1 | 8.2 | 92.2 | 13.7 |
| Max Q Clear Time (g_c+11), s | 3.3 | 2.0 | 2.3 | 2.0 | 12.6 | 5.8 |
| Green Ext Time (p_c), s | 0.1 | 30.5 | 0.0 | 0.0 | 17.2 | 0.1 |


| Intersection Summary |  |
| :--- | ---: |
| HCM 6th Ctrl Delay | 3.8 |
| HCM 6th LOS | A |

## Notes

User approved pedestrian interval to be less than phase max green.

2: SW Sisters Welcome Rd \& US 90

|  | 4 |  | $\%$ | $\leftarrow$ | 4 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | EBL | EBT | WBL | WBT | NBL | NBT | SBT |
| Lane Configurations | ${ }^{7}$ | 虾 | ${ }^{7}$ | 紈 | ${ }^{7}$ | $\uparrow$ |  |
| Traffic Volume (vph) | 16 | 1153 | 164 | 1557 | 109 | 11 | 11 |
| Future Volume (vph) | 16 | 1153 | 164 | 1557 | 109 | 11 | 11 |
| Turn Type | pm+pt | NA | pm+pt | NA | Split | NA | NA |
| Protected Phases | 1 | 6 | 5 | 2 | 4 | 4 | 8 |
| Permitted Phases | 6 |  | 2 |  |  |  |  |
| Detector Phase | 1 | 6 | 5 | 2 | 4 | 4 | 8 |
| Switch Phase |  |  |  |  |  |  |  |
| Minimum Initial (s) | 5.0 | 15.0 | 5.0 | 15.0 | 7.0 | 7.0 | 7.0 |
| Minimum Split (s) | 11.9 | 36.9 | 11.9 | 25.9 | 37.1 | 37.1 | 40.1 |
| Total Split (s) | 15.0 | 75.0 | 31.0 | 91.0 | 27.0 | 27.0 | 17.0 |
| Total Split (\%) | 10.0\% | 50.0\% | 20.7\% | 60.7\% | 18.0\% | 18.0\% | 11.3\% |
| Yellow Time (s) | 4.9 | 4.9 | 4.9 | 4.9 | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.0 | 2.0 | 2.0 | 2.0 | 2.4 | 2.4 | 2.4 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 6.9 | 6.9 | 6.9 | 6.9 | 6.1 | 6.1 | 6.1 |
| Lead/Lag | Lead | Lag | Lead | Lag |  |  |  |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes |  |  |  |
| Recall Mode | None | Max | None | C-Max | None | None | None |

## Intersection Summary

Cycle Length: 150
Actuated Cycle Length: 150
Offset: 47 (31\%), Referenced to phase 2:WBTL, Start of Yellow
Natural Cycle: 130
Control Type: Actuated-Coordinated
Splits and Phases: 2: SW Sisters Welcome Rd \& US 90


|  |  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |

## Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

|  | 4 |  | $\downarrow$ | $\leftarrow$ | $\dagger$ | $p$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | EBL | EBT | WBL | WBT | NBT | NBR | SBT |
| Lane Configurations | \％ | 惺 | \％ | 个中献 | $\uparrow$ | 「 | \＄ |
| Traffic Volume（vph） | 61 | 1250 | 120 | 807 | 2 | 165 | ， |
| Future Volume（vph） | 61 | 1250 | 120 | 807 | 2 | 165 | 2 |
| Turn Type | pm＋pt | NA | $\mathrm{pm}+\mathrm{pt}$ | NA | NA | Perm | NA |
| Protected Phases | 1 | 6 | 5 | 2 | 4 |  | 8 |
| Permitted Phases | 6 |  | 2 |  |  | 4 |  |
| Detector Phase | 1 | 6 | 5 | 2 | 4 | 4 | 8 |
| Switch Phase |  |  |  |  |  |  |  |
| Minimum Initial（s） | 5.0 | 15.0 | 5.0 | 15.0 | 7.0 | 7.0 | 7.0 |
| Minimum Split（s） | 11.8 | 25.8 | 11.8 | 33.8 | 36.9 | 36.9 | 41.3 |
| Total Split（s） | 23.0 | 73.0 | 15.0 | 65.0 | 25.0 | 25.0 | 17.0 |
| Total Split（\％） | 17．7\％ | 56．2\％ | 11．5\％ | 50．0\％ | 19．2\％ | 19．2\％ | 13．1\％ |
| Yellow Time（s） | 4.8 | 4.8 | 4.8 | 4.8 | 3.4 | 3.4 | 3.4 |
| All－Red Time（s） | 2.0 | 2.0 | 2.0 | 2.0 | 2.5 | 2.5 | 2.9 |
| Lost Time Adjust（s） | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time（s） | 6.8 | 6.8 | 6.8 | 6.8 | 5.9 | 5.9 | 6.3 |
| Lead／Lag | Lead | Lag | Lead | Lag |  |  |  |
| Lead－Lag Optimize？ | Yes | Yes | Yes | Yes |  |  |  |
| Recall Mode | None | Max | None | C－Max | None | None | None |

## Intersection Summary

Cycle Length： 130
Actuated Cycle Length： 130
Offset： 17 （13\％），Referenced to phase 2：WBTL，Start of Yellow
Natural Cycle： 145
Control Type：Actuated－Coordinated

Splits and Phases：1：Driveway／NW Ridgewood Ave \＆US 90


| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Configurations | ${ }^{*}$ | 性中 |  | ${ }^{7}$ | 性中 |  |  | $\uparrow$ | 「 |  | $\uparrow$ |  |
| Traffic Volume（veh／h） | 61 | 1250 | 166 | 120 | 807 | 13 | 123 | 2 | 165 | 9 | 2 | 45 |
| Future Volume（veh／h） | 61 | 1250 | 166 | 120 | 807 | 13 | 123 | 2 | 165 | 9 | 2 | 45 |
| Initial Q（Qb），veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped－Bike Adj（A＿pbT） | 1.00 |  | 0.98 | 1.00 |  | 1.00 | 1.00 |  | 1.00 | 1.00 |  | 1.00 |
| Parking Bus，Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach |  | No |  |  | No |  |  | No |  |  | No |  |
| Adj Sat Flow，veh／h／ln | 1856 | 1856 | 1856 | 1796 | 1796 | 1796 | 1870 | 1870 | 1870 | 1781 | 1781 | 1781 |
| Adj Flow Rate，veh／h | 72 | 1471 | 195 | 141 | 949 | 13 | 145 | 2 | 29 | 11 | 2 | 15 |
| Peak Hour Factor | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 |
| Percent Heavy Veh，\％ | 3 | 3 | 3 | 7 | 7 | 7 | 2 | 2 | 2 | 8 | 8 | 8 |
| Cap，veh／h | 461 | 2805 | 371 | 259 | 3151 | 43 | 175 | 2 | 158 | 21 | 4 | 29 |
| Arrive On Green | 0.04 | 0.62 | 0.62 | 0.06 | 0.84 | 0.84 | 0.10 | 0.10 | 0.10 | 0.03 | 0.03 | 0.03 |
| Sat Flow，veh／h | 1767 | 4510 | 597 | 1711 | 4985 | 68 | 1758 | 24 | 1585 | 627 | 114 | 855 |
| Grp Volume（v），veh／h | 72 | 1101 | 565 | 141 | 622 | 340 | 147 | 0 | 29 | 28 | 0 | 0 |
| Grp Sat Flow（s），veh／h／ln | 1767 | 1689 | 1731 | 1711 | 1635 | 1784 | 1782 | 0 | 1585 | 1596 | 0 | 0 |
| Q Serve（g＿s），s | 1.9 | 23.8 | 23.8 | 3.9 | 5.3 | 5.3 | 10.5 | 0.0 | 2.2 | 2.2 | 0.0 | 0.0 |
| Cycle Q Clear（g＿c），s | 1.9 | 23.8 | 23.8 | 3.9 | 5.3 | 5.3 | 10.5 | 0.0 | 2.2 | 2.2 | 0.0 | 0.0 |
| Prop In Lane | 1.00 |  | 0.35 | 1.00 |  | 0.04 | 0.99 |  | 1.00 | 0.39 |  | 0.54 |
| Lane Grp Cap（c），veh／h | 461 | 2100 | 1076 | 259 | 2067 | 1128 | 177 | 0 | 158 | 55 | 0 | 0 |
| V／C Ratio（X） | 0.16 | 0.52 | 0.52 | 0.54 | 0.30 | 0.30 | 0.83 | 0.00 | 0.18 | 0.51 | 0.00 | 0.00 |
| Avail Cap（c＿a），veh／h | 618 | 2100 | 1076 | 289 | 2067 | 1128 | 262 | 0 | 233 | 131 | 0 | 0 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.33 | 1.33 | 1.33 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter（l） | 0.83 | 0.83 | 0.83 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.00 |
| Uniform Delay（d），s／veh | 8.0 | 13.8 | 13.8 | 11.9 | 4.2 | 4.2 | 57.4 | 0.0 | 53.7 | 61.7 | 0.0 | 0.0 |
| Incr Delay（d2），s／veh | 0.1 | 0.8 | 1.5 | 1.8 | 0.4 | 0.7 | 13.1 | 0.0 | 0.6 | 7.2 | 0.0 | 0.0 |
| Initial Q Delay（d3），s／veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| \％ile BackOfQ（95\％），veh／ln | 1.2 | 12.8 | 13.4 | 2.5 | 2.8 | 3.2 | 9.2 | 0.0 | 1.6 | 1.8 | 0.0 | 0.0 |
| Unsig．Movement Delay，s／veh |  |  |  |  |  |  |  |  |  |  |  |  |
| LnGrp Delay（d），s／veh | 8.1 | 14.6 | 15.3 | 13.6 | 4.6 | 4.9 | 70.5 | 0.0 | 54.2 | 68.9 | 0.0 | 0.0 |
| LnGrp LOS | A | B | B | B | A | A | E | A | D | E | A | A |
| Approach Vol，veh／h |  | 1738 |  |  | 1103 |  |  | 176 |  |  | 28 |  |
| Approach Delay，s／veh |  | 14.5 |  |  | 5.9 |  |  | 67.9 |  |  | 68.9 |  |
| Approach LOS |  | B |  |  | A |  |  | E |  |  | E |  |


| Timer－Assigned Phs | 1 | 2 | 4 | 5 | 6 | 8 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Phs Duration（G＋Y＋Rc），s | 11.4 | 89.0 | 18.8 | 12.8 | 87.6 | 10.8 |
| Change Period（Y＋Rc），s | 6.8 | 6.8 | 5.9 | 6.8 | 6.8 | 6.3 |
| Max Green Setting（Gmax），s | 16.2 | 58.2 | 19.1 | 8.2 | 66.2 | 10.7 |
| Max Q Clear Time（g＿c＋11），s | 3.9 | 7.3 | 12.5 | 5.9 | 25.8 | 4.2 |
| Green Ext Time（p＿c），s | 0.1 | 10.6 | 0.4 | 0.1 | 22.1 | 0.0 |

## Intersection Summary

| HCM 6th Ctrl Delay | 15.0 |
| :--- | ---: |
| HCM 6th LOS | B |

## Notes

User approved pedestrian interval to be less than phase max green．

2：SW Sisters Welcome Rd \＆US 90

|  | 4 | $\rightarrow$ | 7 |  | 4 | $\dagger$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | EBL | EBT | WBL | WBT | NBL | NBT | SBT |
| Lane Configurations | ${ }^{7}$ | 性中 | 7 | 虾 | ${ }^{7}$ | $\dagger$ | \＄ |
| Traffic Volume（vph） | 8 | 1234 | 138 | 835 | 115 | 1 | 2 |
| Future Volume（vph） | 8 | 1234 | 138 | 835 | 115 | 1 | 2 |
| Turn Type | pm＋pt | NA | pm＋pt | NA | Split | NA | NA |
| Protected Phases | 1 | 6 | 5 | 2 | 4 | 4 | 8 |
| Permitted Phases | 6 |  | 2 |  |  |  |  |
| Detector Phase | 1 | 6 | 5 | 2 | 4 | 4 | 8 |
| Switch Phase |  |  |  |  |  |  |  |
| Minimum Initial（s） | 5.0 | 15.0 | 5.0 | 15.0 | 7.0 | 7.0 | 7.0 |
| Minimum Split（s） | 11.9 | 36.9 | 11.9 | 25.9 | 37.1 | 37.1 | 40.1 |
| Total Split（s） | 15.0 | 62.0 | 29.0 | 76.0 | 22.0 | 22.0 | 17.0 |
| Total Split（\％） | 11．5\％ | 47．7\％ | 22．3\％ | 58．5\％ | 16．9\％ | 16．9\％ | 13．1\％ |
| Yellow Time（s） | 4.9 | 4.9 | 4.9 | 4.9 | 3.7 | 3.7 | 3.7 |
| All－Red Time（s） | 2.0 | 2.0 | 2.0 | 2.0 | 2.4 | 2.4 | 2.4 |
| Lost Time Adjust（s） | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time（s） | 6.9 | 6.9 | 6.9 | 6.9 | 6.1 | 6.1 | 6.1 |
| Lead／Lag | Lead | Lag | Lead | Lag |  |  |  |
| Lead－Lag Optimize？ | Yes | Yes | Yes | Yes |  |  |  |
| Recall Mode | None | Max | None | C－Max | None | None | None |

## Intersection Summary

Cycle Length： 130
Actuated Cycle Length： 130
Offset： 9 （7\％），Referenced to phase 2：WBTL，Start of Yellow
Natural Cycle： 140
Control Type：Actuated－Coordinated

Splits and Phases：2：SW Sisters Welcome Rd \＆US 90


|  | 4 | $\rightarrow$ |  | 7 | $4$ | 4 | 4 | $\dagger$ | $p$ |  | $\dagger$ | $\downarrow$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| Lane Configurations | ${ }^{7}$ | 惺个 |  | ${ }^{7}$ | 虾 $\%$ |  | ${ }^{7}$ | $\uparrow$ |  |  | \＆ |  |
| Traffic Volume（veh／h） | 8 | 1234 | 125 | 138 | 835 | 0 | 115 | 1 | 225 | 11 | 2 | 8 |
| Future Volume（veh／h） | 8 | 1234 | 125 | 138 | 835 | 0 | 115 | 1 | 225 | 11 | 2 | 8 |
| Initial Q（Qb），veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped－Bike Adj（A＿pbT） | 1.00 |  | 0.98 | 1.00 |  | 1.00 | 1.00 |  | 1.00 | 1.00 |  | 1.00 |
| Parking Bus，Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach |  | No |  |  | No |  |  | No |  |  | No |  |
| Adj Sat Flow，veh／h／ln | 1856 | 1856 | 1856 | 1796 | 1796 | 1796 | 1841 | 1841 | 1841 | 1870 | 1870 | 1870 |
| Adj Flow Rate，veh／h | 9 | 1402 | 140 | 157 | 949 | 0 | 131 | 1 | 140 | 12 | 2 | 6 |
| Peak Hour Factor | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| Percent Heavy Veh，\％ | 3 | 3 | 3 | 7 | 7 | 7 | 4 | 4 | 4 | 2 | 2 | 2 |
| Cap，veh／h | 434 | 2865 | 286 | 288 | 3211 | 0 | 187 | 1 | 166 | 29 | 5 | 14 |
| Arrive On Green | 0.01 | 0.61 | 0.61 | 0.07 | 0.87 | 0.00 | 0.11 | 0.11 | 0.11 | 0.03 | 0.03 | 0.03 |
| Sat Flow，veh／h | 1767 | 4670 | 466 | 1711 | 5065 | 0 | 1753 | 11 | 1551 | 1035 | 173 | 518 |
| Grp Volume（v），veh／h | 9 | 1014 | 528 | 157 | 949 | 0 | 131 | 0 | 141 | 20 | 0 | 0 |
| Grp Sat Flow（s），veh／h／ln | 1767 | 1689 | 1759 | 1711 | 1635 | 0 | 1753 | 0 | 1562 | 1725 | 0 | 0 |
| Q Serve（g＿s），s | 0.2 | 21.5 | 21.6 | 4.4 | 4.4 | 0.0 | 9.4 | 0.0 | 11.5 | 1.5 | 0.0 | 0.0 |
| Cycle Q Clear（g＿c），s | 0.2 | 21.5 | 21.6 | 4.4 | 4.4 | 0.0 | 9.4 | 0.0 | 11.5 | 1.5 | 0.0 | 0.0 |
| Prop In Lane | 1.00 |  | 0.27 | 1.00 |  | 0.00 | 1.00 |  | 0.99 | 0.60 |  | 0.30 |
| Lane Grp Cap（c），veh／h | 434 | 2072 | 1079 | 288 | 3211 | 0 | 187 | 0 | 167 | 48 | 0 | 0 |
| V／C Ratio（X） | 0.02 | 0.49 | 0.49 | 0.54 | 0.30 | 0.00 | 0.70 | 0.00 | 0.84 | 0.42 | 0.00 | 0.00 |
| Avail Cap（c＿a），veh／h | 525 | 2072 | 1079 | 491 | 3211 | 0 | 214 | 0 | 191 | 145 | 0 | 0 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.33 | 1.33 | 1.33 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter（I） | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.00 |
| Uniform Delay（d），s／veh | 9.2 | 13.9 | 13.9 | 11.2 | 3.2 | 0.0 | 56.0 | 0.0 | 57.0 | 62.2 | 0.0 | 0.0 |
| Incr Delay（d2），s／veh | 0.0 | 0.8 | 1.6 | 1.5 | 0.2 | 0.0 | 9.6 | 0.0 | 27.0 | 8.1 | 0.0 | 0.0 |
| Initial Q Delay（d3），s／veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| \％ile BackOfQ（95\％），veh／In | 0.2 | 12.3 | 13.1 | 2.8 | 2.2 | 0.0 | 8.2 | 0.0 | 9.7 | 1.4 | 0.0 | 0.0 |
| Unsig．Movement Delay，s／veh |  |  |  |  |  |  |  |  |  |  |  |  |
| LnGrp Delay（d），s／veh | 9.2 | 14.7 | 15.5 | 12.7 | 3.4 | 0.0 | 65.6 | 0.0 | 84.0 | 70.3 | 0.0 | 0.0 |
| LnGrp LOS | A | B | B | B | A | A | E | A | F | E | A | A |
| Approach Vol，veh／h |  | 1551 |  |  | 1106 |  |  | 272 |  |  | 20 |  |
| Approach Delay，s／veh |  | 14.9 |  |  | 4.7 |  |  | 75.1 |  |  | 70.3 |  |
| Approach LOS |  | B |  |  | A |  |  | E |  |  | E |  |
| Timer－Assigned Phs | 1 | 2 |  | 4 | 5 | 6 |  | 8 |  |  |  |  |
| Phs Duration（ $\mathrm{G}+\mathrm{Y}+\mathrm{Rc}$ ），$s$ | 8.3 | 92.0 |  | 20.0 | 13.6 | 86.7 |  | 9.7 |  |  |  |  |
| Change Period（ $\mathrm{Y}+\mathrm{Rc}$ ），s | 6.9 | 6.9 |  | ＊ 6.1 | 6.9 | 6.9 |  | 6.1 |  |  |  |  |
| Max Green Setting（Gmax），s | 8.1 | 69.1 |  | ＊ 16 | 22.1 | 55.1 |  | 10.9 |  |  |  |  |
| Max Q Clear Time（g＿c＋l1），s | 2.2 | 6.4 |  | 13.5 | 6.4 | 23.6 |  | 3.5 |  |  |  |  |
| Green Ext Time（p＿c），s | 0.0 | 11.5 |  | 0.4 | 0.3 | 17.4 |  | 0.0 |  |  |  |  |
| Intersection Summary |  |  |  |  |  |  |  |  |  |  |  |  |
| HCM 6th Ctrl Delay |  |  | 17.0 |  |  |  |  |  |  |  |  |  |
| HCM 6th LOS |  |  | B |  |  |  |  |  |  |  |  |  |

## Notes

User approved pedestrian interval to be less than phase max green．
＊HCM 6th computational engine requires equal clearance times for the phases crossing the barrier．

| Intersection |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Int Delay, s/veh | 0.1 |  |  |  |  |  |
| Movement | WBL | WBR | NBT | NBR | SBL | SBT |
| Lane Configurations |  | $\mathbf{7}$ | $\mathbf{F}$ |  |  | 4 |
| Traffic Vol, veh/h | 0 | 3 | 340 | 7 | 0 | 264 |
| Future Vol, veh/h | 0 | 3 | 340 | 7 | 0 | 264 |
| Conflicting Peds, \#/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | - | - | - | - |
| Veh in Median Storage, $\#$ | 0 | - | 0 | - | - | 0 |
| Grade, \% | 0 | - | 0 | - | - | 0 |
| Peak Hour Factor | 88 | 88 | 88 | 88 | 88 | 88 |
| Heavy Vehicles, $\%$ | 2 | 2 | 4 | 4 | 2 | 2 |
| Mvmt Flow | 0 | 3 | 386 | 8 | 0 | 300 |



1: Driveway/NW Ridgewood Ave \& US 90

|  | 4 |  | $\downarrow$ | $\longleftarrow$ | $\dagger$ | $p$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | EBL | EBT | WBL | WBT | NBT | NBR | SBT |
| Lane Configurations | \% | 恌 | \% | 虾 ${ }^{\text {d }}$ | $\uparrow$ | F | \$ |
| Traffic Volume (vph) | 61 | 1188 | 142 | 1536 | 2 | 119 | 2 |
| Future Volume (vph) | 61 | 1188 | 142 | 1536 | 2 | 119 | 2 |
| Turn Type | pm+pt | NA | pm+pt | NA | NA | Perm | NA |
| Protected Phases | 1 | 6 | 5 | 2 | 4 |  | 8 |
| Permitted Phases | 6 |  | 2 |  |  | 4 |  |
| Detector Phase | 1 | 6 | 5 | 2 | 4 | 4 | 8 |
| Switch Phase |  |  |  |  |  |  |  |
| Minimum Initial (s) | 5.0 | 15.0 | 5.0 | 15.0 | 7.0 | 7.0 | 7.0 |
| Minimum Split (s) | 11.8 | 21.8 | 11.8 | 21.8 | 12.9 | 12.9 | 13.3 |
| Total Split (s) | 21.0 | 83.0 | 15.0 | 77.0 | 32.0 | 32.0 | 20.0 |
| Total Split (\%) | 14.0\% | 55.3\% | 10.0\% | 51.3\% | 21.3\% | 21.3\% | 13.3\% |
| Yellow Time (s) | 4.8 | 4.8 | 4.8 | 4.8 | 3.4 | 3.4 | 3.4 |
| All-Red Time (s) | 2.0 | 2.0 | 2.0 | 2.0 | 2.5 | 2.5 | 2.9 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 6.8 | 6.8 | 6.8 | 6.8 | 5.9 | 5.9 | 6.3 |
| Lead/Lag | Lead | Lag | Lead | Lag |  |  |  |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes |  |  |  |
| Recall Mode | None | Max | None | C-Max | None | None | None |

## Intersection Summary

Cycle Length: 150
Actuated Cycle Length: 150
Offset: 60 (40\%), Referenced to phase 2:WBTL, Start of Yellow
Natural Cycle: 75
Control Type: Actuated-Coordinated

Splits and Phases: 1: Driveway/NW Ridgewood Ave \& US 90


| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Configurations | \％ | 恌郎 |  | \％ | 恌 ${ }^{\text {a }}$ |  |  | $\uparrow$ | F |  | ¢ |  |
| Traffic Volume（veh／h） | 61 | 1188 | 119 | 142 | 1536 | 29 | 146 | 2 | 119 | 14 | 2 | 67 |
| Future Volume（veh／h） | 61 | 1188 | 119 | 142 | 1536 | 29 | 146 | 2 | 119 | 14 | 2 | 67 |
| Initial $\mathrm{Q}(\mathrm{Qb})$ ，veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped－Bike Adj（A＿pbT） | 1.00 |  | 0.98 | 1.00 |  | 0.98 | 1.00 |  | 1.00 | 1.00 |  | 1.00 |
| Parking Bus，Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach |  | No |  |  | No |  |  | No |  |  | No |  |
| Adj Sat Flow，veh／h／ln | 1841 | 1841 | 1841 | 1856 | 1856 | 1856 | 1870 | 1870 | 1870 | 1841 | 1841 | 1841 |
| Adj Flow Rate，veh／h | 64 | 1238 | 124 | 148 | 1600 | 29 | 152 | 2 | 24 | 15 | 2 | 25 |
| Peak Hour Factor | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| Percent Heavy Veh，\％ | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 4 | 4 | 4 |
| Cap，veh／h | 281 | 2983 | 299 | 327 | 3358 | 61 | 180 | 2 | 163 | 23 | 3 | 38 |
| Arrive On Green | 0.03 | 0.64 | 0.64 | 0.06 | 0.87 | 0.87 | 0.10 | 0.10 | 0.10 | 0.04 | 0.04 | 0.04 |
| Sat Flow，veh／h | 1753 | 4631 | 464 | 1767 | 5121 | 93 | 1759 | 23 | 1585 | 584 | 78 | 974 |
| Grp Volume（v），veh／h | 64 | 896 | 466 | 148 | 1055 | 574 | 154 | 0 | 24 | 42 | 0 | 0 |
| Grp Sat Flow（s），veh／h／ln | 1753 | 1675 | 1745 | 1767 | 1689 | 1836 | 1782 | 0 | 1585 | 1636 | 0 | 0 |
| Q Serve（g＿s），s | 1.8 | 19.5 | 19.5 | 4.4 | 10.2 | 10.2 | 12.7 | 0.0 | 2.1 | 3.8 | 0.0 | 0.0 |
| Cycle Q Clear（g＿c），s | 1.8 | 19.5 | 19.5 | 4.4 | 10.2 | 10.2 | 12.7 | 0.0 | 2.1 | 3.8 | 0.0 | 0.0 |
| Prop In Lane | 1.00 |  | 0.27 | 1.00 |  | 0.05 | 0.99 |  | 1.00 | 0.36 |  | 0.60 |
| Lane Grp Cap（c），veh／h | 281 | 2158 | 1124 | 327 | 2215 | 1204 | 183 | 0 | 163 | 63 | 0 | 0 |
| VIC Ratio（X） | 0.23 | 0.41 | 0.42 | 0.45 | 0.48 | 0.48 | 0.84 | 0.00 | 0.15 | 0.67 | 0.00 | 0.00 |
| Avail Cap（c＿a），veh／h | 393 | 2158 | 1124 | 348 | 2215 | 1204 | 310 | 0 | 276 | 149 | 0 | 0 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.33 | 1.33 | 1.33 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter（1） | 0.87 | 0.87 | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.00 |
| Uniform Delay（d），s／veh | 8.5 | 13.0 | 13.0 | 9.9 | 4.0 | 4.0 | 66.1 | 0.0 | 61.3 | 71.2 | 0.0 | 0.0 |
| Incr Delay（d2），s／veh | 0.4 | 0.5 | 1.0 | 1.0 | 0.7 | 1.4 | 10.0 | 0.0 | 0.4 | 11.4 | 0.0 | 0.0 |
| Initial Q Delay（d3），s／veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| \％ile BackOfQ（95\％），veh／ln | 1.2 | 11.1 | 11.7 | 2.9 | 4.7 | 5.5 | 10.5 | 0.0 | 1.6 | 3.3 | 0.0 | 0.0 |
| Unsig．Movement Delay，s／veh |  |  |  |  |  |  |  |  |  |  |  |  |
| LnGrp Delay（d），s／veh | 8.9 | 13.5 | 13.9 | 10.9 | 4.7 | 5.3 | 76.1 | 0.0 | 61.7 | 82.6 | 0.0 | 0.0 |
| LnGrp LOS | A | B | B | B | A | A | E | A | E | F | A | A |
| Approach Vol，veh／h |  | 1426 |  |  | 1777 |  |  | 178 |  |  | 42 |  |
| Approach Delay，s／veh |  | 13.4 |  |  | 5.4 |  |  | 74.1 |  |  | 82.6 |  |
| Approach LOS |  | B |  |  | A |  |  | E |  |  | F |  |


| Timer－Assigned Phs | 1 | 2 | 4 | 5 | 6 | 8 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Phs Duration（G＋Y＋Rc），s | 11.5 | 105.2 | 21.3 | 13.2 | 103.4 | 12.1 |
| Change Period（Y＋Rc），s | 6.8 | 6.8 | 5.9 | 6.8 | 6.8 | 6.3 |
| Max Green Setting（Gmax），s | 14.2 | 70.2 | 26.1 | 8.2 | 76.2 | 13.7 |
| Max Q Clear Time（g＿c＋11），s | 3.8 | 12.2 | 14.7 | 6.4 | 21.5 | 5.8 |
| Green Ext Time（p＿c），s | 0.1 | 24.8 | 0.7 | 0.1 | 18.4 | 0.1 |

## Intersection Summary

| HCM 6th Ctrl Delay | 13.3 |
| :--- | ---: |
| HCM 6th LOS | B |

## Notes

User approved pedestrian interval to be less than phase max green．

2: SW Sisters Welcome Rd \& US 90

|  | 4 | $\rightarrow$ | 7 | $\downarrow$ | 4 |  | $\ddagger$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | EBL | EBT | WBL | WBT | NBL | NBT | SBT |
| Lane Configurations | ${ }^{1}$ |  | ${ }^{1}$ | 性朝 | ${ }^{1}$ | $\uparrow$ | 4 |
| Traffic Volume (vph) | 9 | 1184 | 170 | 1555 | 163 | 3 | 6 |
| Future Volume (vph) | 9 | 1184 | 170 | 1555 | 163 | 3 | 6 |
| Turn Type | pm+pt | NA | pm+pt | NA | Split | NA | NA |
| Protected Phases | 1 | 6 | 5 | 2 | 4 | 4 | 8 |
| Permitted Phases | 6 |  | 2 |  |  |  |  |
| Detector Phase | 1 | 6 | 5 | 2 | 4 | 4 | 8 |
| Switch Phase |  |  |  |  |  |  |  |
| Minimum Initial (s) | 5.0 | 15.0 | 5.0 | 15.0 | 7.0 | 7.0 | 7.0 |
| Minimum Split (s) | 11.9 | 36.9 | 11.9 | 25.9 | 37.1 | 37.1 | 40.1 |
| Total Split (s) | 15.0 | 75.0 | 31.0 | 91.0 | 27.0 | 27.0 | 17.0 |
| Total Split (\%) | 10.0\% | 50.0\% | 20.7\% | 60.7\% | 18.0\% | 18.0\% | 11.3\% |
| Yellow Time (s) | 4.9 | 4.9 | 4.9 | 4.9 | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.0 | 2.0 | 2.0 | 2.0 | 2.4 | 2.4 | 2.4 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 6.9 | 6.9 | 6.9 | 6.9 | 6.1 | 6.1 | 6.1 |
| Lead/Lag | Lead | Lag | Lead | Lag |  |  |  |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes |  |  |  |
| Recall Mode | None | Max | None | C-Max | None | None | None |

## Intersection Summary

Cycle Length: 150
Actuated Cycle Length: 150
Offset: 47 (31\%), Referenced to phase 2:WBTL, Start of Yellow
Natural Cycle: 140
Control Type: Actuated-Coordinated
Splits and Phases: 2: SW Sisters Welcome Rd \& US 90


|  | $\stackrel{ }{*}$ |  |  | 7 | $\checkmark$ |  | 4 | $\uparrow$ | $p$ |  | $\downarrow$ | $\downarrow$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| Lane Configurations | \% | 惺 |  | \% | 恌t |  | \% | $\uparrow$ |  |  | $\dagger$ |  |
| Traffic Volume (veh/h) | 9 | 1184 | 130 | 170 | 1555 | 2 | 163 | 3 | 171 | 8 | 6 | 22 |
| Future Volume (veh/h) | 9 | 1184 | 130 | 170 | 1555 | , | 163 | 3 | 171 | 8 | 6 | 22 |
| Initial $\mathrm{Q}(\mathrm{Qb})$, veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped-Bike Adj(A_pbT) | 1.00 |  | 0.98 | 1.00 |  | 1.00 | 1.00 |  | 1.00 | 1.00 |  | 0.99 |
| Parking Bus, Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach |  | No |  |  | No |  |  | No |  |  | No |  |
| Adj Sat Flow, veh/h/ln | 1856 | 1856 | 1856 | 1856 | 1856 | 1856 | 1796 | 1796 | 1796 | 1870 | 1870 | 1870 |
| Adj Flow Rate, veh/h | 9 | 1246 | 135 | 179 | 1637 | 2 | 172 | 3 | 84 | 8 | 6 | 17 |
| Peak Hour Factor | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Percent Heavy Veh, \% | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 2 | 2 | 2 |
| Cap, veh/h | 250 | 2887 | 313 | 329 | 3477 | 4 | 199 | 6 | 171 | 15 | 11 | 32 |
| Arrive On Green | 0.01 | 0.62 | 0.62 | 0.07 | 0.89 | 0.89 | 0.12 | 0.12 | 0.12 | 0.03 | 0.03 | 0.03 |
| Sat Flow, veh/h | 1767 | 4628 | 501 | 1767 | 5225 | 6 | 1711 | 53 | 1474 | 433 | 324 | 919 |
| Grp Volume(v), veh/h | 9 | 909 | 472 | 179 | 1058 | 581 | 172 | 0 | 87 | 31 | 0 | 0 |
| Grp Sat Flow(s),veh/h/ln | 1767 | 1689 | 1752 | 1767 | 1689 | 1854 | 1711 | 0 | 1526 | 1676 | 0 | 0 |
| Q Serve(g_s), s | 0.3 | 20.8 | 20.8 | 5.4 | 9.3 | 9.3 | 14.8 | 0.0 | 8.0 | 2.7 | 0.0 | 0.0 |
| Cycle Q Clear(g_c), s | 0.3 | 20.8 | 20.8 | 5.4 | 9.3 | 9.3 | 14.8 | 0.0 | 8.0 | 2.7 | 0.0 | 0.0 |
| Prop In Lane | 1.00 |  | 0.29 | 1.00 |  | 0.00 | 1.00 |  | 0.97 | 0.26 |  | 0.55 |
| Lane Grp Cap(c), veh/h | 250 | 2106 | 1093 | 329 | 2248 | 1234 | 199 | 0 | 177 | 58 | 0 | 0 |
| V/C Ratio(X) | 0.04 | 0.43 | 0.43 | 0.54 | 0.47 | 0.47 | 0.87 | 0.00 | 0.49 | 0.53 | 0.00 | 0.00 |
| Avail Cap(c_a), veh/h | 327 | 2106 | 1093 | 521 | 2248 | 1234 | 238 | 0 | 213 | 122 | 0 | 0 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.33 | 1.33 | 1.33 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter(1) | 1.00 | 1.00 | 1.00 | 0.84 | 0.84 | 0.84 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.00 |
| Uniform Delay (d), s/veh | 10.1 | 14.5 | 14.5 | 11.1 | 3.4 | 3.4 | 65.2 | 0.0 | 62.1 | 71.2 | 0.0 | 0.0 |
| Incr Delay (d2), s/veh | 0.1 | 0.6 | 1.2 | 1.2 | 0.6 | 1.1 | 25.4 | 0.0 | 3.0 | 10.4 | 0.0 | 0.0 |
| Initial Q Delay(d3),s/veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| \%ile BackOfQ(95\%),veh/ln | 0.2 | 12.3 | 12.9 | 3.5 | 4.1 | 4.8 | 12.4 | 0.0 | 5.9 | 2.4 | 0.0 | 0.0 |
| Unsig. Movement Delay, s/veh |  |  |  |  |  |  |  |  |  |  |  |  |
| LnGrp Delay (d),s/veh | 10.2 | 15.2 | 15.8 | 12.3 | 4.0 | 4.5 | 90.5 | 0.0 | 65.1 | 81.6 | 0.0 | 0.0 |
| LnGrp LOS | B | B | B | B | A | A | F | A | E | F | A | A |
| Approach Vol, veh/h |  | 1390 |  |  | 1818 |  |  | 259 |  |  | 31 |  |
| Approach Delay, s/veh |  | 15.3 |  |  | 5.0 |  |  | 82.0 |  |  | 81.6 |  |
| Approach LOS |  | B |  |  | A |  |  | F |  |  | F |  |
| Timer - Assigned Phs | 1 | 2 |  | 4 | 5 | 6 |  | 8 |  |  |  |  |
| Phs Duration ( $G+Y+R \mathrm{c}$ ), $s$ | 8.5 | 106.7 |  | 23.5 | 14.7 | 100.5 |  | 11.3 |  |  |  |  |
| Change Period ( $\mathrm{Y}+\mathrm{Rc}$ ), s | 6.9 | 6.9 |  | * 6.1 | 6.9 | 6.9 |  | 6.1 |  |  |  |  |
| Max Green Setting (Gmax), s | 8.1 | 84.1 |  | *21 | 24.1 | 68.1 |  | 10.9 |  |  |  |  |
| Max Q Clear Time ( $\left.\mathrm{g}_{-} \mathrm{c}+11\right)$, s | 2.3 | 11.3 |  | 16.8 | 7.4 | 22.8 |  | 4.7 |  |  |  |  |
| Green Ext Time (p_c), s | 0.0 | 27.0 |  | 0.5 | 0.4 | 17.7 |  | 0.0 |  |  |  |  |
| Intersection Summary |  |  |  |  |  |  |  |  |  |  |  |  |
| HCM 6th Ctrl DelayHCM 6th LOS |  |  | 15.5 |  |  |  |  |  |  |  |  |  |
|  |  |  | B |  |  |  |  |  |  |  |  |  |

## Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



|  | $\rangle$ |  | 7 | $\leftarrow$ | $\dagger$ | $p$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | EBL | EBT | WBL | WBT | NBT | NBR | SBT |
| Lane Configurations | 7 | 惺官 | \％ | 虾 | $\uparrow$ | F | \＄ |
| Traffic Volume（vph） | 65 | 1182 | 134 | 1564 | 2 | 106 | 2 |
| Future Volume（vph） | 65 | 1182 | 134 | 1564 | 2 | 106 | 2 |
| Turn Type | pm＋pt | NA | $\mathrm{pm}+\mathrm{pt}$ | NA | NA | Perm | NA |
| Protected Phases | 1 | 6 | 5 | 2 | 4 |  | 8 |
| Permitted Phases | 6 |  | 2 |  |  | 4 |  |
| Detector Phase | 1 | 6 | 5 | 2 | 4 | 4 | 8 |
| Switch Phase |  |  |  |  |  |  |  |
| Minimum Initial（s） | 5.0 | 15.0 | 5.0 | 15.0 | 7.0 | 7.0 | 7.0 |
| Minimum Split（s） | 11.8 | 21.8 | 11.8 | 21.8 | 12.9 | 12.9 | 13.3 |
| Total Split（s） | 21.0 | 83.0 | 15.0 | 77.0 | 32.0 | 32.0 | 20.0 |
| Total Split（\％） | 14．0\％ | 55．3\％ | 10．0\％ | 51．3\％ | 21．3\％ | 21．3\％ | 13．3\％ |
| Yellow Time（s） | 4.8 | 4.8 | 4.8 | 4.8 | 3.4 | 3.4 | 3.4 |
| All－Red Time（s） | 2.0 | 2.0 | 2.0 | 2.0 | 2.5 | 2.5 | 2.9 |
| Lost Time Adjust（s） | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time（s） | 6.8 | 6.8 | 6.8 | 6.8 | 5.9 | 5.9 | 6.3 |
| Lead／Lag | Lead | Lag | Lead | Lag |  |  |  |
| Lead－Lag Optimize？ | Yes | Yes | Yes | Yes |  |  |  |
| Recall Mode | None | Max | None | C－Max | None | None | None |

## Intersection Summary

Cycle Length： 150
Actuated Cycle Length： 150
Offset： 60 （40\％），Referenced to phase 2：WBTL，Start of Yellow
Natural Cycle： 70
Control Type：Actuated－Coordinated
Splits and Phases：1：Driveway／NW Ridgewood Ave \＆US 90


| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Configurations | ${ }^{*}$ | 性中 |  | ${ }^{7}$ | 性 |  |  | $\uparrow$ | 「 |  | \＆ |  |
| Traffic Volume（veh／h） | 65 | 1182 | 108 | 134 | 1564 | 28 | 135 | 2 | 106 | 16 | 2 | 82 |
| Future Volume（veh／h） | 65 | 1182 | 108 | 134 | 1564 | 28 | 135 | 2 | 106 | 16 | 2 | 82 |
| Initial Q（Qb），veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped－Bike Adj（A＿pbT） | 1.00 |  | 0.97 | 1.00 |  | 0.97 | 1.00 |  | 1.00 | 1.00 |  | 1.00 |
| Parking Bus，Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach |  | No |  |  | No |  |  | No |  |  | No |  |
| Adj Sat Flow，veh／h／ln | 1856 | 1856 | 1856 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 |
| Adj Flow Rate，veh／h | 66 | 1194 | 109 | 135 | 1580 | 26 | 136 | 2 | 10 | 16 | 2 | 27 |
| Peak Hour Factor | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| Percent Heavy Veh，\％ | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Cap，veh／h | 292 | 3093 | 282 | 346 | 3435 | 57 | 164 | 2 | 148 | 23 | 3 | 39 |
| Arrive On Green | 0.03 | 0.66 | 0.66 | 0.05 | 0.88 | 0.88 | 0.09 | 0.09 | 0.09 | 0.04 | 0.04 | 0.04 |
| Sat Flow，veh／h | 1767 | 4712 | 430 | 1781 | 5171 | 85 | 1757 | 26 | 1585 | 591 | 74 | 997 |
| Grp Volume（v），veh／h | 66 | 856 | 447 | 135 | 1040 | 566 | 138 | 0 | 10 | 45 | 0 | 0 |
| Grp Sat Flow（s），veh／h／ln | 1767 | 1689 | 1765 | 1781 | 1702 | 1852 | 1783 | 0 | 1585 | 1661 | 0 | 0 |
| Q Serve（g＿s），s | 1.8 | 17.5 | 17.5 | 3.8 | 9.0 | 9.0 | 11.4 | 0.0 | 0.9 | 4.0 | 0.0 | 0.0 |
| Cycle Q Clear（g＿c），s | 1.8 | 17.5 | 17.5 | 3.8 | 9.0 | 9.0 | 11.4 | 0.0 | 0.9 | 4.0 | 0.0 | 0.0 |
| Prop In Lane | 1.00 |  | 0.24 | 1.00 |  | 0.05 | 0.99 |  | 1.00 | 0.36 |  | 0.60 |
| Lane Grp Cap（c），veh／h | 292 | 2217 | 1159 | 346 | 2261 | 1230 | 166 | 0 | 148 | 66 | 0 | 0 |
| V／C Ratio（X） | 0.23 | 0.39 | 0.39 | 0.39 | 0.46 | 0.46 | 0.83 | 0.00 | 0.07 | 0.69 | 0.00 | 0.00 |
| Avail Cap（c＿a），veh／h | 405 | 2217 | 1159 | 373 | 2261 | 1230 | 310 | 0 | 276 | 152 | 0 | 0 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.33 | 1.33 | 1.33 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter（I） | 0.91 | 0.91 | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.00 |
| Uniform Delay（d），s／veh | 7.9 | 11.9 | 11.9 | 8.9 | 3.5 | 3.5 | 66.9 | 0.0 | 62.1 | 71.1 | 0.0 | 0.0 |
| Incr Delay（d2），s／veh | 0.4 | 0.5 | 0.9 | 0.7 | 0.7 | 1.2 | 10.2 | 0.0 | 0.2 | 11.9 | 0.0 | 0.0 |
| Initial Q Delay（d3），s／veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| \％ile BackOfQ（95\％），veh／ln | 1.2 | 10.2 | 10.8 | 2.5 | 4.2 | 4.9 | 9.7 | 0.0 | 0.7 | 3.5 | 0.0 | 0.0 |
| Unsig．Movement Delay，s／veh |  |  |  |  |  |  |  |  |  |  |  |  |
| LnGrp Delay（d），s／veh | 8.2 | 12.3 | 12.7 | 9.6 | 4.1 | 4.7 | 77.1 | 0.0 | 62.3 | 83.0 | 0.0 | 0.0 |
| LnGrp LOS | A | B | B | A | A | A | E | A | E | F | A | A |
| Approach Vol，veh／h |  | 1369 |  |  | 1741 |  |  | 148 |  |  | 45 |  |
| Approach Delay，s／veh |  | 12.3 |  |  | 4.7 |  |  | 76.1 |  |  | 83.0 |  |
| Approach LOS |  | B |  |  | A |  |  | E |  |  | F |  |


| Timer－Assigned Phs | 1 | 2 | 4 | 5 | 6 | 8 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Phs Duration（G＋Y＋Rc），s | 11.5 | 106.4 | 19.9 | 12.6 | 105.3 | 12.2 |
| Change Period（Y＋Rc），s | 6.8 | 6.8 | 5.9 | 6.8 | 6.8 | 6.3 |
| Max Green Setting（Gmax），s | 14.2 | 70.2 | 26.1 | 8.2 | 76.2 | 13.7 |
| Max Q Clear Time（g＿c＋11），s | 3.8 | 11.0 | 13.4 | 5.8 | 19.5 | 6.0 |
| Green Ext Time（p＿c），s | 0.1 | 24.4 | 0.6 | 0.1 | 17.2 | 0.1 |

## Intersection Summary

| HCM 6th Ctrl Delay | 12.1 |
| :--- | ---: |
| HCM 6th LOS | B |

## Notes

User approved pedestrian interval to be less than phase max green．

2: SW Sisters Welcome Rd \& US 90

|  | 4 |  | $\%$ | $4$ | 4 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | EBL | EBT | WBL | WBT | NBL | NBT | SBT |
| Lane Configurations | ${ }^{7}$ | 虾 | ${ }^{7}$ | 虾 | ${ }^{*}$ | $\uparrow$ |  |
| Traffic Volume (vph) | 16 | 1184 | 170 | 1583 | 112 | 11 | 11 |
| Future Volume (vph) | 16 | 1184 | 170 | 1583 | 112 | 11 | 11 |
| Turn Type | pm+pt | NA | pm+pt | NA | Split | NA | NA |
| Protected Phases | 1 | 6 | 5 | 2 | 4 | 4 | 8 |
| Permitted Phases | 6 |  | 2 |  |  |  |  |
| Detector Phase | 1 | 6 | 5 | 2 | 4 | 4 | 8 |
| Switch Phase |  |  |  |  |  |  |  |
| Minimum Initial (s) | 5.0 | 15.0 | 5.0 | 15.0 | 7.0 | 7.0 | 7.0 |
| Minimum Split (s) | 11.9 | 36.9 | 11.9 | 25.9 | 37.1 | 37.1 | 40.1 |
| Total Split (s) | 15.0 | 75.0 | 31.0 | 91.0 | 27.0 | 27.0 | 17.0 |
| Total Split (\%) | 10.0\% | 50.0\% | 20.7\% | 60.7\% | 18.0\% | 18.0\% | 11.3\% |
| Yellow Time (s) | 4.9 | 4.9 | 4.9 | 4.9 | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.0 | 2.0 | 2.0 | 2.0 | 2.4 | 2.4 | 2.4 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 6.9 | 6.9 | 6.9 | 6.9 | 6.1 | 6.1 | 6.1 |
| Lead/Lag | Lead | Lag | Lead | Lag |  |  |  |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes |  |  |  |
| Recall Mode | None | Max | None | C-Max | None | None | None |

## Intersection Summary

Cycle Length: 150
Actuated Cycle Length: 150
Offset: 47 (31\%), Referenced to phase 2:WBTL, Start of Yellow
Natural Cycle: 140
Control Type: Actuated-Coordinated
Splits and Phases: 2: SW Sisters Welcome Rd \& US 90


|  | 4 |  | \％ | 7 | 4 | 4 | 4 | $\dagger$ | $p$ | （ | $\dagger$ | $\downarrow$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| Lane Configurations | ${ }^{7}$ | 性中 |  | ${ }^{7}$ | 虾 |  | ${ }^{*}$ | $\hat{\beta}$ |  |  | \＆ |  |
| Traffic Volume（veh／h） | 16 | 1184 | 111 | 170 | 1583 | 0 | 112 | 11 | 151 | 15 | 11 | 29 |
| Future Volume（veh／h） | 16 | 1184 | 111 | 170 | 1583 | 0 | 112 | 11 | 151 | 15 | 11 | 29 |
| Initial Q（Qb），veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped－Bike Adj（A＿pbT） | 1.00 |  | 1.00 | 1.00 |  | 1.00 | 1.00 |  | 1.00 | 1.00 |  | 1.00 |
| Parking Bus，Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach |  | No |  |  | No |  |  | No |  |  | No |  |
| Adj Sat Flow，veh／h／ln | 1856 | 1856 | 1856 | 1870 | 1870 | 1870 | 1826 | 1826 | 1826 | 1870 | 1870 | 1870 |
| Adj Flow Rate，veh／h | 16 | 1184 | 110 | 170 | 1583 | 0 | 112 | 11 | 61 | 15 | 11 | 23 |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Percent Heavy Veh，\％ | 3 | 3 | 3 | 2 | 2 | 2 | 5 | 5 | 5 | 2 | 2 | 2 |
| Cap，veh／h | 283 | 3102 | 288 | 364 | 3518 | 0 | 140 | 20 | 108 | 21 | 16 | 32 |
| Arrive On Green | 0.02 | 0.66 | 0.66 | 0.06 | 0.92 | 0.00 | 0.08 | 0.08 | 0.08 | 0.04 | 0.04 | 0.04 |
| Sat Flow，veh／h | 1767 | 4715 | 438 | 1781 | 5274 | 0 | 1739 | 242 | 1342 | 521 | 382 | 798 |
| Grp Volume（v），veh／h | 16 | 848 | 446 | 170 | 1583 | 0 | 112 | 0 | 72 | 49 | 0 | 0 |
| Grp Sat Flow（s），veh／h／ln | 1767 | 1689 | 1776 | 1781 | 1702 | 0 | 1739 | 0 | 1584 | 1701 | 0 | 0 |
| Q Serve（g＿s），s | 0.4 | 17.2 | 17.2 | 4.8 | 6.6 | 0.0 | 9.5 | 0.0 | 6.6 | 4.3 | 0.0 | 0.0 |
| Cycle Q Clear（g＿c），s | 0.4 | 17.2 | 17.2 | 4.8 | 6.6 | 0.0 | 9.5 | 0.0 | 6.6 | 4.3 | 0.0 | 0.0 |
| Prop In Lane | 1.00 |  | 0.25 | 1.00 |  | 0.00 | 1.00 |  | 0.85 | 0.31 |  | 0.47 |
| Lane Grp Cap（c），veh／h | 283 | 2221 | 1168 | 364 | 3518 | 0 | 140 | 0 | 128 | 69 | 0 | 0 |
| V／C Ratio（X） | 0.06 | 0.38 | 0.38 | 0.47 | 0.45 | 0.00 | 0.80 | 0.00 | 0.56 | 0.71 | 0.00 | 0.00 |
| Avail Cap（c＿a），veh／h | 350 | 2221 | 1168 | 566 | 3518 | 0 | 242 | 0 | 221 | 124 | 0 | 0 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.33 | 1.33 | 1.33 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter（I） | 1.00 | 1.00 | 1.00 | 0.85 | 0.85 | 0.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.00 |
| Uniform Delay（d），s／veh | 8.1 | 11.7 | 11.7 | 8.7 | 2.2 | 0.0 | 67.7 | 0.0 | 66.4 | 71.1 | 0.0 | 0.0 |
| Incr Delay（d2），s／veh | 0.1 | 0.5 | 0.9 | 0.8 | 0.4 | 0.0 | 13.5 | 0.0 | 5.4 | 17.3 | 0.0 | 0.0 |
| Initial Q Delay（d3），s／veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| \％ile BackOfQ（95\％），veh／ln | 0.3 | 10.3 | 10.9 | 3.0 | 2.8 | 0.0 | 8.3 | 0.0 | 5.1 | 3.9 | 0.0 | 0.0 |
| Unsig．Movement Delay，s／veh |  |  |  |  |  |  |  |  |  |  |  |  |
| LnGrp Delay（d），s／veh | 8.1 | 12.2 | 12.7 | 9.5 | 2.6 | 0.0 | 81.2 | 0.0 | 71.8 | 88.4 | 0.0 | 0.0 |
| LnGrp LOS | A | B | B | A | A | A | F | A | E | F | A | A |
| Approach Vol，veh／h |  | 1310 |  |  | 1753 |  |  | 184 |  |  | 49 |  |
| Approach Delay，s／veh |  | 12.3 |  |  | 3.3 |  |  | 77.5 |  |  | 88.4 |  |
| Approach LOS |  | B |  |  | A |  |  | E |  |  | F |  |
| Timer－Assigned Phs | 1 | 2 |  | 4 | 5 | 6 |  | 8 |  |  |  |  |
| Phs Duration（ $G+Y+R \mathrm{c}$ ），$s$ | 9.3 | 110.3 |  | 18.2 | 14.0 | 105.6 |  | 12.2 |  |  |  |  |
| Change Period（ $\mathrm{Y}+\mathrm{Rc}$ ），s | 6.9 | 6.9 |  | ＊ 6.1 | 6.9 | 6.9 |  | 6.1 |  |  |  |  |
| Max Green Setting（Gmax），s | 8.1 | 84.1 |  | ＊ 21 | 24.1 | 68.1 |  | 10.9 |  |  |  |  |
| Max Q Clear Time（g＿c＋11），s | 2.4 | 8.6 |  | 11.5 | 6.8 | 19.2 |  | 6.3 |  |  |  |  |
| Green Ext Time（p＿c），s | 0.0 | 27.2 |  | 0.6 | 0.4 | 16.4 |  | 0.1 |  |  |  |  |
| Intersection Summary |  |  |  |  |  |  |  |  |  |  |  |  |
| HCM 6th Ctrl Delay |  |  | 12.3 |  |  |  |  |  |  |  |  |  |
| HCM 6th LOS |  |  | B |  |  |  |  |  |  |  |  |  |

## Notes

User approved pedestrian interval to be less than phase max green．
＊HCM 6th computational engine requires equal clearance times for the phases crossing the barrier．

| Intersection |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Int Delay, s/veh | 0.1 |  |  |  |  |  |
| Movement | WBL | WBR | NBT | NBR | SBL | SBT |
| Lane Configurations |  | $\mathbf{7}$ | $\mathbf{F}$ |  |  | 4 |
| Traffic Vol, veh/h | 0 | 3 | 272 | 6 | 0 | 293 |
| Future Vol, veh/h | 0 | 3 | 272 | 6 | 0 | 293 |
| Conflicting Peds, \#/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | - | - | - | - |
| Veh in Median Storage, \# | 0 | - | 0 | - | - | 0 |
| Grade, \% | 0 | - | 0 | - | - | 0 |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, $\%$ | 2 | 2 | 5 | 5 | 2 | 2 |
| Mvmt Flow | 0 | 3 | 272 | 6 | 0 | 293 |



## APPENDIX E FDOT Trend Worksheet

COUNTY: 29 - COLUMBIA
SITE: 0102 - SR 10 200' W. OF BURK ST.

| YEAR | AADT |  | DIRECTION 1 |  | DIRECTION 2 |  | *K FACTOR | D FACTOR | T FACTOR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2022 | 31500 | C | E | 16500 | W | 15000 | 9.00 | 54.70 | 6.10 |
| 2021 | 32500 | S | E | 16500 | W | 16000 | 9.00 | 54.20 | 5.90 |
| 2020 | 31500 | F | E | 16000 | W | 15500 | 9.00 | 54.80 | 6.80 |
| 2019 | 31500 | C | E | 16000 | W | 15500 | 9.00 | 54.80 | 6.20 |
| 2018 | 31000 | C | E | 15500 | W | 15500 | 9.00 | 54.70 | 6.20 |
| 2017 | 35000 | C | E | 16000 | W | 19000 | 9.00 | 55.50 | 5.80 |
| 2016 | 32000 | C | E | 16000 | W | 16000 | 9.00 | 53.90 | 5.40 |
| 2015 | 32000 | C | E | 16000 | W | 16000 | 9.00 | 54.50 | 5.70 |
| 2014 | 33000 | C | E | 16500 | W | 16500 | 9.00 | 54.40 | 5.90 |
| 2013 | 37000 | C | E | 18500 | W | 18500 | 9.00 | 55.30 | 6.40 |
| 2012 | 33500 | C | E | 16500 | W | 17000 | 9.00 | 54.70 | 5.50 |
| 2011 | 34500 | C | E | 17000 | W | 17500 | 9.00 | 53.70 | 5.30 |
| 2010 | 33500 | C | E | 17000 | W | 16500 | 9.94 | 54.40 | 4.90 |
| 2009 | 35000 | C | E | 17500 | W | 17500 | 9.78 | 54.18 | 5.30 |
| 2008 | 37500 | C | E | 19000 | W | 18500 | 9.82 | 54.63 | 6.20 |
| 2007 | 36000 | C | E | 17500 | W | 18500 | 9.99 | 54.46 | 6.40 |

[^2]Traffic Trends - V03.a
US 90/SR 10 -- 200' W OF BURK ST



*Axle-Adjusted

## APPENDIX F <br> NCHRP Report 457 Worksheets

Figure 2-6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-controlled intersection.
INPUT

| Roadway geometry: | 2-lane roadw ay |  |
| :--- | :---: | :---: |
| Variable |  | Value |
| Major-road speed, mph: | 30 |  |
| Major-road volume (one direction), veh/h: | 347 |  |
| Right-turn volume, veh/h: | 7 |  |

OUTPUT

| Variable | Value |
| :--- | :---: |
| Limiting right-turn volume, veh/h: | 3207 |
| Guidance for determining the need for a major-road <br> right-turn bay for a 2-lane roadway: |  |
| Do NOT add right-turn bay. |  |



Figure 2-6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-controlled intersection.


Figure 2-6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-controlled intersection.


## LAKE CTY GROWTH MANAGEMENT STAFF ANALYSS REPORT

| Project Information |  |
| :--- | :--- |
| Project Name and Case No. | Wawa site plan review |
| Applicant | Michael Wagner |
| Owner | WPG- Lake City, LLC |
| Requested Action | Site plan review for Wawa, automotive service station, on <br> parcels 06185-000 and 06233-000 |
| Hearing Date |  |
| Staff Analysis/Determination | O3-05-2024 |
| Prepared By | Robert Angelo |


| Subject Property Information |  |
| :--- | :--- |
| Size | $+/-8.58$ Acres |
| Location | 1518 W US Highway 90, Lake City, FL |
| Parcel Number | $06185-000$ and 06233-000 |
| Future Land Use | Commercial |
| Proposed Future Land Use | Commercial |
| Current Zoning District | Commercial Intensive (CI) |
| Proposed Zoning | Commercial Intensive (CI) |
| Flood Zone-BFE | Flood Zone X Base Flood Elevation-N/A |


| Land Use Table |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Direction | Future Land Use | Zoning | Existing Use | Comments |  |
| N | Commercial | cG | Retail |  |  |
| E | Commercial | c | Entertainment |  |  |
| S | County |  | Business |  |  |
| W | County |  | Business |  |  |




## Summary of Request

Applicant has petitioned for a site plan review for the above parcels to build an automotive service station.

# REVIEW REPORT TO PLANNING AND ZONING, BOARD OF ADJUSTMENT AND HISTORICAL COMMITTEES' BY STAFF FOR SITE PLAN REVIEW, SPECIAL EXCEPTIONS, VARIANCES, COMPREHENSIVE PLAN AMENDMENTS/ ZONING AND CERTIFICATE OF APPROPRIATENESS 

Date:
02/15/2024
Request Type: Site Plan Review (SPR)
Special Exception (SE) $\square$ Variances (V) $\square$ Comprehensive Plan Amendment/Zoning (CPA/Z) $\square$ Certificate of Appropriateness (COA) $\square$ Project Number: SPR 24-03
Project Name: Wawa Site Plan Review
Project Address: 1518 W US Highway 90, Lake City, FL Project Parcel Number: 06185-000 and 06233-000 Owner Name: WPG-Lake City, LLC (Michael Wagner, Manager)

Owner Address:
4211 W Boyscout Blvd, Suite 620, Tampa, FL
Owner Contact Information: Telephone Number: ${ }^{813-284-7978}$ Email: sliakos@wagspg.com
Owner Agent Name: $\qquad$
Owner Agent Address: $\qquad$
Owner Agent Contact Information: Telephone: $\qquad$ Email: $\qquad$

The City of Lake City staff has reviewed the application and documents provided for the above request and have determined the following.

## Growth Management - Building Department, Planning and Zoning, Code Enforcement, Permitting

$\qquad$ | No comment at this timr |
| :--- |
|  |
|  |
|  |



> An automotive self service station is a permitted use per section 4.13 .2 and 4.13.2.17 of the land development regulations. Also see section 4.2 .6 , Automotive Service and self Service Stations.



Permitting: Reviewed by: $\qquad$ Date: $\qquad$
$\square$


| Sewer Department: Reviewed by: Cody pridgon |  | Date: ${ }^{2 / 15 / 2024}$ |
| :---: | :---: | :---: |
|  |  |  |

$\square$

|  |  |
| :---: | :---: |
|  |  |

$\square$
No comment at this time.

no concerns
Customer Service: Reviewed by:
Shasta Pellham
Date: ${ }^{2 / 21 / 2024}$ Date:
Customer Service: Reviewed by:
Shasta Pelham $\qquad$
$\qquad$

A tap application would need to be submitted in order to request city utilities. The utility fees will be calculated upon approval of the tap application. A floor plan of the existing building that depicts the fixture units is needed to accurately calculate the impact fee credit. Fixture units consist of drinking fountains, laundry trays, showers (per showerhead), sinks with the type included (example: hand sink, mop sink, two compartment sink), urinal, toilets, washing machine, and floor drains (with the drain size).

Public Safety - Public Works, Fire Department, Police Department

| Public Works: Reviewed by: | ${ }^{\text {Socusigned by: }}$ | Date: $\qquad$ |
| :---: | :---: | :---: |
| No comment at this time. |  |  |

Fire Department: Reviewed by: $\qquad$ Date: $\qquad$
$\square$

No comment at this time

NOTE: Please provide separate pages for comments that will not fit in provided spaces and please label the pages for your department and for the project.
$\qquad$ Date: $\qquad$
$\square$


The project will require an ERP Individual Permit. The development has an application currently under review. The application number is ERP-023-247984-1.

School Board: Reviewed by: $\begin{aligned} & \text { Roassisester } \\ & \text { keith Hather }\end{aligned}$
Date: ${ }^{2 / 20 / 2024}$
No comments or issues at this time.

County: Reviewed by: $\qquad$ Date: $\qquad$
$\square$

NOTE: Please provide separate pages for comments that will not fit in provided spaces and please label the pages for your department and for the project.


# CITY OF LAKE CITY <br> NOTICE <br> LAND USE ACTION 

A PUBLIC HEARING IS SCHEDULED TO CONSIDER A REQUEST FOR:

| SPR24.03, a petition by Michael Wagner, as agent, to request a Site Plan Review approval be granted <br> as provided for in Section 4.13 of the Land Development Regulations, to get approval on site plan for <br> Wawa for a property located in the Commercial Intensive zoning district, in accordance with the <br> submittal of the petition dated February 6, 2024, to be located on parcels 06185-000 and 06233-000 |
| :--- | :--- |
| WHEN:March 5,2024 <br> 5:30 p.m. |
| WHERE:City Council Meeting Room, Second Floor, City Hall, located at 205 North Marion Avenue, <br> Lake City, Florida. <br> Members of the public may also view the meeting on our YouTube channel at: <br> https://www.youtube.com/c/CityofLakeCity. |

Copies of the site plan review application are available for public inspection by contacting the Office of Growth Management at growthmanagement@lcfla.com or by calling 386.719.5820.

At the aforementioned public hearing, all interested parties may be heard with respect to the Certificate of Appropriateness.

# FOR MORE INFORMATION CONTACT ROBERT ANGELO PLANNING \& ZONING TECHNICIAN AT 386.719.5820 

# NOTICE OF PUBLIC MEETING CITY OF LAKE CITY PLANNING AND ZONING BOARD 

THIS SERVES AS PUBLIC NOTICE the Planning and Zoning Board will hold a meeting on Tuesday, March 5, 2024 at 5:30 PM or as soon after.

Agenda items-

1. SPR 24-03, Petition submitted by Michael Wagner, (agent) for WPG-Lake City, LLC, (owner), for a Site Plan Review for Wawa, in a Commercial Intensive zoning district, and located on parcels 06185-000 and 06233-000, which is regulated by the Land Development Regulations Section 4.13.
2. CPA23-06 and Z23-07, Petition submitted by David Winsberg, (owner), for Comprehensive Plan Amendment to the Future Land Use and a Rezoning to the Official Zoning Atlas of land located in the residential multi-family 1 and the residential single family- 3 zoning districts, on parcels 11602-002 and 11642-000
3. SPR 24-02, Petition submitted by Carol Chadwick, (agent) for Kevin Bendenbaugh, (owner), for a Site Plan Review for Melrose Place, in a residential multi-family 2 zoning district, and located on parcel 13536000 , which is regulated by the Land Development Regulations Section 4.9.

Meeting Location: City Council Chambers located on the $2^{\text {nd }}$ Floor of City Hall at 205 North Marion Avenue, Lake City, FL 32055.

Members of the public may also view the meeting on our YouTube channel at: https://www.youtube.com/c/CityofLakeCity

Pursuant to $\mathbf{2 8 6} \mathbf{0 1 0 5}$, Florida Statutes, the City hereby advises the public if a person decides to appeal any decision made by the City with respect to any matter considered at its meetings or hearings, he or she will need a record of the proceedings, and that, for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

SPECIAL REQUIREMENTS: Pursuant to 286.26, Florida Statutes, persons needing special accommodations to participate in this meeting should contact the City Manager's Office at (386) 719-5768.

Robert Angelo
Planning and Zoning Tech.

From:
Sent:
To:
Subject:

LCR-Classifieds [classifieds@lakecityreporter.com](mailto:classifieds@lakecityreporter.com) Tuesday, February 20, 2024 3:06 PM
Angelo, Robert
RE: 76741 RE: Non-Legal Ad Notice for Planning and Zoning Meeting 03-05-2024

Confirmed
Thank you
Kym Harrison • 386-754-0401
Serving 4 counties in North Florida
$\mathbf{7 0 \%}$ of households with income above $\mathbf{\$ 1 0 0 k}$ are newspaper readers.
Sources: ${ }^{1} 2018$ Release 2 Nielsen Scarborough Report. Copyright 2019 Scarborough Research. All rights reserved

From: Angelo, Robert [AngeloR@lcfla.com](mailto:AngeloR@lcfla.com)
Sent: Tuesday, February 20, 2024 2:58 PM
To: LCR-Classifieds [classifieds@lakecityreporter.com](mailto:classifieds@lakecityreporter.com)
Subject: RE: 76741 RE: Non-Legal Ad Notice for Planning and Zoning Meeting 03-05-2024
Looks good.
Thank You
Robert Angelo
City of Lake City
Growth Management
growthmanagement@lcfla.com
386-719-5820


PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from City officials regarding City business are public records availabie to the public and media upon request. Your email communications may be subject to public disclosure.

From: LCR-Classifieds [classifieds@lakecityreporter.com](mailto:classifieds@lakecityreporter.com)
Sent: Tuesday, February 20, 2024 11:46 AM
To: Angelo, Robert [AngeloR@Icfla.com](mailto:AngeloR@Icfla.com)
Subject: 76741 RE: Non-Legal Ad Notice for Planning and Zoning Meeting 03-05-2024
Proof attached for approval. 2×9 \$297 publishing 2/24
Thank you
Kym Harrison • 386-754-0401
Serving 4 counties in North Florida
$70 \%$ of households with income above \$100k are newspaper readers.

From: Angelo, Robert [AngeloR@lcfla.com](mailto:AngeloR@lcfla.com)
Sent: Tuesday, February 20, 2024 10:25 AM
To: LCR-Classifieds [classifieds@lakecityreporter.com](mailto:classifieds@lakecityreporter.com)
Subject: Non-Legal Ad Notice for Planning and Zoning Meeting 03-05-2024

Kym
Please publish this ad in the body of the paper as a display ad in the February 24, 2024 paper.

Thank You
Robert Angelo
City of Lake City
Growth Management
growthmanagement@lcfla.com
386-719-5820


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## NOTICE OF PUBLIC MEETING CITY OF LAKE CITY PLANNING AND ZONING BOARD

THIS SERVES AS PUBLIC NOTICE the Planning and Zoning Board will hold a meeting on Tuesday, March 5, 2024 at 5:30 PM or as soon after.

## Agenda items-

1. SPR 24-03, Petition submitted by Michael Wagner, (agent) for WPG-Lake Cily, LLC, (owner), for a Site Plan Review for Wawa, in a Commercial Intensive zoning district, and located on parcels 06185-000 and $06233-000$, which is regulated by the Land Development Regulations Section 4.13 .
2. CPA23-06 and 223-07, Petition submitted by David Winsberg. (owner), for Comprehensive Plan Amendment to the Future Land Use and a Rezoning to the Official Zoning Atlas of land located in the residential mult-family 1 and the residential single family- 3 zoning districts, on parcels $11602-002$ and 11642-000
3. SPR 24-02, Petition submitted by Carol Chadwick, (egent) for Kevin Bendenbaugh, (owner), for a Site Plan Review for Melrose Place, in a residential multi-family 2 zoning district, and located on parcel 13536 000 , which is reguiated by the Land Development Regulations Section 4.9

Meeting Location: City Council Chambers located on the $2^{\text {nd }}$ Floor of City Hall at 205 North Marion Avenue, Lake City, FL 32055.

Members of the public may also view the meeting on our YouTube channel at: https://www youtube com/c/Cityof LakeCity

Pursuant to $\mathbf{2 8 6 . 0 1 0 5}$, Florida Statutes, the City hereby advises the public if a person decides to appeal any decision made by the City with respect to any matter considered at its meetings or hearings, he or she will need a record of the proceedings, and that, for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

SPECIAL REQUIREMENTS: Pursuant to 286.26, Florida Statutes, persons needing special accommodations to participate in this meeting should contact the City Manager's Office at (386)719-5768.

Robert Angelo
Planning and Zoning Tech.

## NOIIICE OF PUBLIC MEETING CITY OF LAKE CITY PLANNING AND ZONING BOARD

THIS SERVES AS PUBLIC NOTICE the Planning and Zoning Board will hold a meeting on Tuesday, March 5, 2024 at 5:30 PM or as soon after.

Agenda items-

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2. CPA23-06 and Z23-07, Petition submitted by David Winsberg, (owner), for Comprehensive Plan Amendment to the Future Land Use and a Rezoning to the Official Zoning Atlas of land located in the residential multi-family 1 and the residential single family-3 zoning districts, on parcels 11602-002 and 11642-000
3. SPR 24-02, Petition submitted by Carol Chadwick, (agent) for Kevin Bendenbaugh, (owner), for a Site Plan Review for Melrose Place, in a residential multi-family 2 zoning district, and located on parcel 13536000, which is regulated by the Land Development Regulations Section 4.9.

Meeting Location: City Council Chambers located on the $2^{\text {nd }}$ Floor of City Hall at 205 North Marion Avenue, Lake City, FL 32055.

Members of the public may also view the meeting on our YouTube channel at: https://www.youtube.com/c/CityofLakeCity

Pursuant to 286.0105, Florida Statutes, the City hereby advises the public if a person decides to appeal any decision made by the City with respect to any matter considered at its meetings or hearings, he or she will need a record of the proceedings, and that, for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

SPECIAL REQUIREMENTS: Pursuant to 286.26, Florida Statutes, persons needing special accommodations to participate in this meeting should contact the City Manager's Office at (386) 719-5768.

Robert Angelo
Planning and Zoning Tech.

February 16, 2024

To Whom it May Concern

On March 5, 2024 the Planning and Zoning Board will be having a meeting at 5:30pm at 205 N. Marion. At this meeting we will be hearing a petition submitted by Michael Wagner, as agent, WPG-Lake City, LLC., for a site plan review, SPR24-03, for parcels 06185-000 and 06233-000, The site plan is to build a automotive service station located within the Commercial Intensive zoning district.

If you have any questions or concerns please call 386-752-2031 ext. 820 or email growthmanagement@lcfla.com.

Robert Angelo


Planning and Zoning Tech
City of Lake City


| Name | Address1 | Address2 | Address3 | City | State | ZIP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| HOME OWNERS REALTY CO INC | C/OL R ISBELL \& FINLEY MOORE | - | . |  |  |  |
| WILLIAMS CLIFFORD | 26 WESLEYMLL DR |  | ADAIRSVILLE | GA | 30103 |  |
| YP SUPPLIER LLC | 228 SW WATERFORD CT SUITE 107 |  | LAKE CITY | FL | 32025 |  |
| YP SUPPLIER LLC | 228 SW WATERFORD CT | SUITE 107 | LAKE CITY | FL | 32025 |  |
| JOHNSON \& JOHNSON INC | PO BOX 157 | . | MADISON | FL | 32341 |  |
| JOHNSON \& JOHNSON INC | РО ${ }^{\text {POX } 157}$ |  | MADISON | FL | 32341 |  |
| MORRIS MONTY K | 722 SW ARLINGTON BLVD |  | LAKE CITY | FL | 32025 |  |
| MORRIS DOROTHY L WILLIAMS | 722 SW ARLINGTON BLVD |  | LAKE CITY | FL | 32025 |  |
| VYP, LLC | 794 SW MANDIBI DR | . | LAKE CITY | FL | 32024 |  |
| MIDTOWN PROPERTIES HOLDINGS LLC | 540 W DUVAL ST |  | LAKE CITY | FL | 32055 |  |
| HERITAGE OPERATING LP | POBOX 965 |  | VALLEY FORGE | PA | 19482-0965 |  |
| LAKE CITY U AUTOMOTVE MANAGEMENT LLC | 1101 E FLETCHER AVE |  | TAMPA | FL | 33612 |  |
| DRAWDY JENNY SCAFF LIVING TRUST DATED APRIL 9, 2019 | 317 NW STREAMSIDE CT | . | LAKE CITY | FL | 32055 |  |
| DRAWDY J Bruce living trust dated April 9,2019 | 317 NW STREAMSIDE CT | . | LAKE CITY | FL | 32055 |  |
| VYP, LLC | 794 SW MANDIBI DR | . | LAKE CITY | FL | 32024 |  |
| ACEMCD, llC | 3101 W US HIGHWAY 90 | STE 201 | LAKE CITY | FL | 32055 |  |
| JOHNSON\& JOHNSON INC | РО ${ }^{\text {POX } 157}$ | - | MADISON | FL | 32341 |  |
| VYP, LLC | 794 SW MANDIBI DR | , | LAKE CITY | FL | 32024 |  |
| YP SUPPLIER LLC | 228 SW WATERFORD CT | SUITE 107 | LAKE CITY | FL | 32025 |  |
| COLEMAN FAMLly revocable trust | 385 SW ARLINGTON BLVD | - | LAKE CITY | FL | 32025 |  |
| LAKE CITY U AUTOMOTIVE MANAGEMENT LLC | 1101 EFLETCHER AVE | . | TAMPA | FL | 33612 |  |
| 379 PROPERTV GROUP LLC | 6786 SW 44TH PL | - | Lake butler | FL | 32054 |  |
| Store master funding iv lic | C/O VINTAGE PARTNERS | 4705 S APOPKA VINELAND RD STE 210 | ORLANDO | FL | 32819 |  |
| CEDAR RIVER SEAFOOD OF LAKE CITY INC | 1592 US HIGHWAY 90 W | - | LAKE CITY | FL | 32055 |  |
| RADIANT CREDIT UNION | ATTN ACCOUNTS PAYABLE | 4440 NW 25TH PLACE | GAINESVILLE | FL | 32606 |  |
| CAMPUS USA CREDIT UNION | POBOX 147029 | . | GAINESVILLE | FL | 32614 |  |
| RADIANT CREDIT UNION | 4440 NW 25TH PLACE | . | GAINESVILLE | FL | 32606 |  |

A

| Name | Address1 | Address2 | Address 3 | City | State | ZIP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FLORIDA GAS TRANSMISSION COMPANY | 2424 RIDGE RD | - | ROCKWALL | TX | 75087 |  |
| HOME OWNERS REALTY CO INC | C/OL R ISBELL \& FINLEY MOORE |  |  |  |  |  |
| WILLIAMS CLIFFORD S | 26 WESLEYMILL DR | . | ADAIRSVILLE | GA | 30103 |  |
| YP SUPPLIER LLC | 228 SW WATERFORD CT SUITE 107 |  | LAKE CITY | FL | 32025 |  |
| YP SUPPLIER LLC | 228 SW WATERFORD CT | SUITE 107 | LAKE CITY | FL | 32025 |  |
| NORTH RUSSELL. J | 347 NW STREAMSIDECT |  | LAKE CITY | FL | 32055 |  |
| 379 PROPERTY GROUP LLC | 3786 SW 44THPL | . | LAKE BUTLER | FL | 32054 |  |
| GANSKOP JEFFREY L | POBOX 1815 | . | LAKE CITY | FL | 32056 |  |
| CITY OF LAKE CITY, FLORIDA | 205 NORTH MARION AVE |  | LAKE CITY | FL | 32055 |  |
| CDS FAMLY \& BEHAVIORAL HEALTH SERVICES INC | 3615 SW 13TH ST | SUITE 7 | gainesvelle | FL | 32608 |  |
| CITY OF LAKE CITY | 205 N MARION AVE |  | LAKE CITY | FL | 32055 |  |
| MORRIS MONTY K | 722 SW ARLINGTON BLVD |  | LAKE CITY | FL | 32025 |  |
| RICHARDSON JAMES V | 692 SW ARLINGTON BLVD |  | LAKE CITY | FL | 32025 |  |
| MORRIS DOROTHY L WILLIAMS | 722 SW ARLINGTON BLVD |  | LAKE CITY | FL | 32025 |  |
| GROVE PARTNERS 4 (ETAL) | 364 SW DEXTER CIRCL |  | LAKE CITY | FL | 32025 |  |
| LAKE CITY U AUTOMOTVE MANAGEMENT LLC | 1101 E FLETCHER AVE | . | TAMPA | FL | 33612 |  |
| DRAWDY JENNY SCAFF LIVING TRUST DATED APRIL 9, 2019 | 317 NW STREAMSIDECT | . | LAKE CITY | FL | 32055 |  |
| DRAWDY J BRUCE LIIING TRUST DATED APRIL 9, 2019 | 317 NW STREAMSIDE CT | , | LAKE CITY | FL | 32055 |  |
| YP SUPPLIER LLC | 228 SW WATERFORD CT | SUITE 107 | LAKE CITY | FL | 32025 |  |
| LCPP LLC | ровох 357742 |  | GAINESVILLE | FL | 32635 |  |
| PREM ENTERPRISE USA, LLC | 1404 W US HWY 90 | . | LAKE CITY | FL | 32055 |  |
| COLEMAN FAMILY REVOCABLE TRUST | 385 SW ARLINGTON BLVD | . | LAKE CITY | FL | 32025-5607 |  |
| COLEMAN FAMILY REVOCABLE TRUST | 385 SW ARLINGTON BLVD | . | LAKE CITY | FL | 32025 |  |
| ABC PROPERTIES LTD | POBOX 593688 |  | ORLANDO | FL | 32859 |  |
| LAKE CITY U AUTOMOTVE MANAGEMENT LLC | 1101 E FLETCHER AVE | . | tampa | FL | 33612 |  |
| 379 PROPERTY GROUP LLC | 6786 SW 44TH PL |  | LAKE BUTLER | FL | 32054 |  |
| STORE MASTER FUNDING INLLC | CIO VINTAGE PARTNERS | 4705 S APOPKA VINELAND RD STE 210 | ORLANDO | FL | 32819 |  |
| CEDAR RIVER SEAFOOD OF LAKE CITY INC | 1592 US HIGHWAY 90 W | - | LAKE CITY | FL | 32055 |  |
| RADIANT CREDIT UNION | ATTN ACCOUNTS PAYABLE | 4440 NW 25TH PLACE | gainesville | FL | 32606 |  |

MORRIS DOROTHY L WILLIAMS
722 SW ARLINGTON BLVD LAKE CITY FL 32025

GROVE PARTNERS 4 (ETAL) 384 SW DEXTER CIRCL LAKE CITY FL 32025

LAKE CITY U AUTOMOTIVE MANAGEMENT LC 1101 E FLETCHER AVE TAMPA FL 33612

DRAWDY JENNY SCAFF LIVING
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DRAWDY J BRUCE LIVING TRUST
DATED APRIL 9, 2019
317 NW STREAMSIDE CT
LAKE CITY FL 32055

LOP LLD
PO BOX 357742
GAINESVILLE FL 32635

PREM ENTERPRISE USA, LLC
1404 W US HWY 90
LAKE CITY FL 32055

ABC PROPERTIES LTD
P 0 BOX 593688
ORLANDO FL 32859

379 PROPERTY GROUP LLC
6786 SW 44TH PL
LAKE BUTLER FL 32054
U.8. POSTAGE PAID LAKELAND, FL FE ${ }^{33805}$ AMOUNT
$\$ 5.22$
R2304N117641-5


DRAWDY JENNY SCAFF LIVING TRUST DATED APRIL 9, 2019 317 NW STREAMSIDE CT LAKE CITY FL 32055

WILLIAMS CLIFFORD S 26 WESLEY MILL DR ADAIRSVILLE GA 30103

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LAKE CITY FL 32025

JOHNSON \& JOHNSON INC POBOX157
MADISON FL 32341
MORRIS MONTYK
722 SW ARLINGTON BLVD
LAKE CITY FL 32025

LAKE CITY FL 32025

MORRIS DOROTHY L WILLIAMS
722 SW ARLINGTON BLVD LAKE CITY FL 32025

VYP, LLC
794 SW MANDIBIDR
LAKE CITY FL 32024

MIDTOWN PROPERTIES HOLDINGS
LLC
540 W DUVAL ST
LAKE CITY FL 32055

HERITAGE OPERATING L P POBOX965
VALLEY FORGE PA 19482-0965

LAKE CITY U AUTOMOTIVE MANAGEMENT LLC
1101 E FLETCHER AVE
TAMPA FL 33612

DRAWDY J BRUCE LIVING TRUST
DATED. APRIL 9, 2019
317 NW STREAMSIDE CT
LAKE CITY FL 32055

VYP, LLC
794 SW MANDIBI DR
LAKE CITY FL 32024

ACEMCD, LLC
3101 W US HIGHWAY 90
STE 201
LAKE CITY FL 32055

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LAKE CITY FL 32024

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LAKE CITY FL 32025

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379 PROPERTY GROUP LLC
6786 SW 44TH PL.
LAKE BUTLER FL 32054

STORE MASTER FUNDING IV LLC C/0 VINTAGE PARTNERS 4705 SAPOPKA VINELAND RD STE 210 ORLANDO FL 32819

CEDAR RIVER SEAFOOD OF LAKE CITY INC
1592 US HIGHWAY90W
LAKE CITY FL 32055

CAMPUS USA CREDIT UNION
P 0 BOX 147029
GAINESVILLE FL 32614 .

RADIANT CREDIT UNION 4440 NW 25TH PLACE GAINESVILLE FL 32606

FLORIDA GAS TRANSMISSION COMPANY
2424 RIDGE RD
ROCKWALL TX 75087

NORTH RUSSELL J
347 NW STREAMSIDE CT
LAKE CITY FL 32055

379 PROPERTY GROUP LLC
3786 SW 44TH PL LAKE BUTLER FL 32054

GANSKOP JEFFREY L
POBOX 1815
LAKE CITY FL 32056

CITY OF LAKE CITY, FLORIDA 205 NORTH MARION AVE LAKE CITY FL 32055

CDS FAMILY \& BEHAVIORAL HEALTH SERVICES INC 3615 SW 13TH ST SUITE 7
GAINESVELLE FL 32608

CITY OF LAKE CITY 205 N MARION AVE LAKE CITY FL 32055

RICHARDSON JAMES V 692 SW ARLINGTON BLVD LAKE CITY FL 32025

Bohce Enginuring
600 N west shore Bivd.
soite 950
C. Jolicians

## File Attachments for Item:

v. SPR24-02, Petition submitted by Carol Chadwick. (agent) for Kevin Bedendbough (owner), for a Site Plan Review for M elrose Place, in the Residential M ulti-Family 2 Zoning District, and located on parcel 13536-005, which is regulated by the Land Development Regulations section 4.9.
F. .. PLANNING USE ONLY Application \# SRR 24-02
Application Fee: $\$ 200.00$
Receipt No.
Filing Date
Completeness Date

## Site Plan Application

## A. PROJECT INFORMATION

1. Project Name: Melrose Place
2. Address of Subject Property: TBD
3. Parcel ID Number(s): 33-3S-17-13536-005
4. Future Land Use Map Designation: RESIDENTIAL-HIGH
5. Zoning Designation: RMF-2
6. Acreage: 1.71
7. Existing Use of Property: VACANT
8. Proposed use of Property: MULTI-FAMILY HOUSING
9. Type of Development (Check All That Apply):
() Increase of floor area to an existing structure: Total increase of square footage
() New construction: Total square footage 16996 S.F.
() Relocation of an existing structure: Total square footage

## B. APPLICANT INFORMATION

1. Applicant Status $\square$ Owner (title holder) $\quad$ Agent
2. Name of Applicant(s): CAROL CHADWICK, PE Title: CIVIL ENGINEER
Company name (if applicable): $\qquad$
Mailing Address: 1208 SW FAIRFAX GLEN

| City:LAKE CITY | State: FL |
| :--- | :--- |
| Telephone: $(307) 680.1772$ | Fax: $\quad$ __ $)$ |

PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from government officials regarding government business is subject to public records requests. Your e-mail address and communications may be subject to public disclosure.
3. If the applicant is agent for the property owner*.

Property Owner Name (title holder): KEVIN BEDENBOUGH, JR.
Mailing Address: 232 NW CHADLEY LANE

| City: LAKE CITY | State: FL | Zip: 32055 |
| :---: | :---: | :---: |
| Telephone: (386) 365.5264 | ) | Email:plumblevelconstruction@gmail.com |

PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from government officials regarding government business is subject to public records requests. Your e-mail address and communications may be subject to public disclosure. *Must provide an executed Property Owner Affidavit Form authorizing the agent to act on behalf of the property owner.

## C. ADDITIONAL INFORMATION

1. Is there any additional contract for the sale of, or options to purchase, the subject property? If yes, list the names of all parties involved: N.A.
If yes, is the contract/option contingent or absolute: $\square$ Contingent $\square$ Absolute
2. Has a previous application been made on all or part of the subject property? $\square \mathrm{Yes} \square$ No . Future Land Use Map Amendment: $\quad$ Yes $\square$ No $\qquad$
Future Land Use Map Amendment Application No.
Site Specific Amendment to the Official Zoning Atlas (Rezoning): $\square$ Yes___ $\square$ No
Site Specific Amendment to the Official Zoning Atlas (Rezoning) Application No. $\qquad$
Variance:ロYes $\qquad$ ENo $\qquad$
Variance Application No.
Special Exception: $\quad$ Yes_ $\quad$ No
Special Exception Application No.

## D. ATTACHMENT/SUBMITTAL REQUIREMENTS

$1 \sqrt{\text { Vicinity Map - Indicating general location of the site, abutting streets, existing utilities, }}$ complete legal description of the property in question, and adjacent land use.
2. Site Plan - Including, but not limited to the following:
a. Name, location, owner, and designer of the proposed development.
b. Present zoning for subject site.
c. Location of the site in relation to surrounding properties, including the means of ingress and egress to such properties and any screening or buffers on such properties.
d. Date, north arrow, and graphic scale not less than one inch equal to 50 feet.
e. Area and dimensions of site (Survey).
f. Location of all property lines, existing right-of-way approaches, sidewalks, curbs, and gutters.
g. Access to utilities and points of utility hook-up.
h. Location and dimensions of all existing and proposed parking areas and loading areas.
i. Location, size, and design of proposed landscaped areas (including existing trees and required landscaped buffer areas).
j. Location and size of any lakes, ponds, canals, or other waters and waterways.
k. Structures and major features fully dimensioned including setbacks, distances between structures, floor area, width of driveways, parking spaces, property or lot lines, and percent of property covered by structures.
l. Location of trash receptacles.
m . For multiple-family, hotel, motel, and mobile home park site plans:
i. Tabulation of gross acreage.
ii. Tabulation of density.
iii. Number of dwelling units proposed.
iv. Location and percent of total open space and recreation areas.
v. Percent of lot covered by buildings.
vi. Floor area of dwelling units.
vii. Number of proposed parking spaces.
viii. Street layout.
ix. Layout of mobile home stands (for mobile home parks only).
3. Stormwater Management Plan—Including the following:
a. Existing contours at one foot intervals based on U.S. Coast and Geodetic Datum.
b. Proposed finished elevation of each building site and first floor level.
c. Existing and proposed stormwater management facilities with size and grades.
d. Proposed orderly disposal of surface water runoff.
e. Centerline elevations along adjacent streets.
f. Water management district surface water management permit.
4. Fire Department Access and Water Supply Plan: The Fire Department Access and Water Supply Plan must demonstrate compliance with Chapter 18 of the Florida Fire Prevention Code, be located on a separate signed and sealed plan sheet, and must be prepared by a professional fire engineer licensed in the State of Florida. The Fire Department Access and Water Supply Plan must contain fire flow calculations in accordance with the Guide for Determination of Required Fire Flow, latest edition, as published by the Insurance Service Office ("ISO") and/or Chapter 18, Section 18.4 of the Florida Fire Prevention Code, whichever is greater.
5. Concurrency Impact Analysis: Concurrency Impact Analysis of impacts to public facilities. For commercial and industrial developments, an analysis of the impacts to Transportation, Potable Water, Sanitary Sewer, and Solid Waste impacts are required.
6. Comprehensive Plan Consistency Analysis: An analysis of the application's consistency with the Comprehensive Plan (analysis must identify specific Goals, Objectives, and Policies of the Comprehensive Plan and detail how the application complies with said Goals, Objectives, and Policies).
7. Legal Description with Tax Parcel Number (In Word Format).
8. Proof of Ownership (i.e. deed).
(9. Agent Authorization Form (signed and notarized).
10. Proof of Payment of Taxes (can be obtained online via the Columbia County Tax Collector's Office).
11. Fee. The application fee for a Site and Development Plan Application is $\$ 200.00$. No application shall be accepted or processed until the required application fee has been paid.

## NOTICE TO APPLICANT

All eleven (11) attachments are required for a complete application. Once an application is submitted and paid for, a completeness review will be done to ensure all the requirements for a complete application have been met. If there are any deficiencies, the applicant will be notified in writing. If an application is deemed to be incomplete, it may cause a delay in the scheduling of the application before the Planning \& Zoning Board.

A total of ten (10) copies of proposed site plan application and all support materials must be submitted along with a PDF copy on a CD. See City of Lake City submittal guidelines for additional submittal requirements.

## THE APPLICANT ACKNOWLEDGES THAT THE APPLICANT OR AGENT MUST BE PRESENT AT THE PUBLIC HEARING BEFORETHE PLANNING AND ZONING BOARD. AS ADOPTED IN THE BOARD RULES AND PROCEDURES, OTHERWISE THE REQUEST MAY BE CONTINUED TO A FUTURE HEARING DATE.

I hereby certify that all of the above statements and statements contained in any documents or plans submitted herewith are true and accurate to the best of my knowledge and belief.

Applicant/Agent Name (Type or Print)

| Applicant/Agent Signature |
| :--- |
| Applicant/Agent Name (Type or Print) |

Applicant/Agent Signature


STATE OF FLORIDA
COUNTY OF $\qquad$
The foregoing instrument was acknowledged before me this $\qquad$ day of $\qquad$ , 20 $\qquad$ , by (name of person acknowledging).

| Signature of Notary |
| :--- |
| Printed Name of Notary |

Printed Name of Notary
$\qquad$ Type of Identification Produced





## City of Lake City <br> Water flow report




July 7, 2023
re: Melrose Place Concurrency Impact Analysis

The site is located in a residential area and is zoned multi-family. Calculations were based on 16 dwelling units. Two quadplex buildings with two three bedroom units and two two-bedroom units are proposed. Four duplex buildings with two two-bedroom units are proposed. The site will utilize City sewer and water.

## Criteria for analyses:

- Trip generation was calculated per the ITE Trip Generation Manual, $9^{\text {th }}$ edition, ITE code 230
- Potable Water Analysis per Chapter 64E-6.008 Florida Administrative Code, Table I
- Sanitary Sewer Analysis Chapter 64E-6.008 Florida Admınistrative Code, Table 1
- Environmental Engineering: A Design Approach, Sincero and Sincero, 1996

Summary of analyses:

- Trip generation: 93 ADT $\$ 8$ Peak PM trips
- Potable Water: 3600 gallons per day
- Potable Water: 3600 gallons per day
- Solid Waste: 29.20 tons per year

See attached Concurrency Worksheet.
Please contact me at 307.680 .1772 if you have any questions.

Respectfully,

|  | Digitally signed by |
| :---: | :---: |
|  | Carol Chadwick |
| (2) | DN: $C=U \mathrm{US}$, |
|  | o=Florid |
|  | dnQualifier=A014 |
|  | 10D0000017EB6D |
|  | 924CE0005954C, |
|  | $\mathrm{cn}=$ Carol |
|  | Chadwick |
|  | Date: 2023.12.22 |
|  | 13:35:55-05'00' |

[^3][^4]
## REVISED CONCURRENCY <br> WORKSHEET

Trip Generation Analysis

| ITE Use | ADT Multiplier | PM Peak <br> Multiplier | Dwelling <br> Units | Total ADT | Total PM <br> Peak |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Residential <br> Condo/Townhome | 5.81 | 0.52 | 16.00 | 92.96 | 8.32 |

## Potable Water Analysis

| Ch. 64E-6.008, F.A.C. Use | Ch. 64E-6.008, F.A.C. Gallons Per Day (GPD) | Ch. 64E-6.008, F.A.C. Multiplier* | Total (Gallons Per Day) |
| :---: | :---: | :---: | :---: |
| Multi Family Homes | $200(2 \text { bed })$ $300 \text { (3 bed) }$ | $\begin{gathered} 12 \\ 4 \end{gathered}$ | 3600.00 |

* Multiplier is based upon Ch. 64E.6008, Florida Administrative Code and can very from square footage, number of employees, number of seats, or etc. See Ch. 64E-6.008, F.A.C. to determine multiplier.


## Sanitary Sewer Analysis

| Ch. 64E-6.008, F.A.C. |  |  |  |
| :---: | :---: | :---: | :---: |
| Use | Ch. 64E-6.008, <br> F.A.C. Gallons <br> Per Day (GPD) | Ch. 64E-6.008, <br> F.A.C. <br> Multiplier* | Total (Gallons Per Day) |
|  |  | $200(2$ bed) | 12 |

## Solid Waste Analysis

| Use | Tons Per <br> Dwelling <br> Unit** | Households | Total (Tons Per Year) |
| :---: | :---: | :---: | :---: |
|  | 1.83 | 16.00 | 29.20 |
| Multi Family Homes | 1.83 | **0.73 tons per person per year $\times 2.5$ person per household | $=1.825$ |
| tons per dwelling unit |  |  |  |

July 6, 2023
re: Melrose Place Comprehensive Plan Consistency Analysis
Melrose Place is consistent with Lake City's Comprehensive Plan.

## Future Land Use Element

GOAL I - IN RECOGNITION OF THE IMPORTANCE OF CONSERVING THE NATURAL RESOURCES AND ENHANCING THE QUALITY OF LIFE, THE CITY SHALL DIRECT DEVELOFMENT TO THOSE AREAS WHICH HAVE IN PLACE, OR HAVE AGREEMENTS TO PROVIDE, THE LAND AND WATER RESOURCES, FISCAL ABILITIES AND SERVICE CAPACITY TO ACCOMMODATE GROWTH IN AN ENVIRONMENTALLY ACCEPTABLE MANNER.

- Objective 1.1 The City shall continue to direct future population growth and associated urban development to urban development areas as established within this comprehensive plan.


## Consistency: The site is located in an existing residential area.

- Policy I.1.1 The City shall limit the location of higher density residential and high intensity commercial and industrial uses to areas adjacent to arterial or collector roads where public facilities are available to support such higher density or intensity. In addition, the City shall enable private subregional centralized potable water and sanitary sewer systems to connect to public regional facilities, in accordance with the objective and policies for the urban and rural areas within this future land use element of the comprehensive plan.

Consistency: The proposed lots meet the requirements as set forth in the city of Lake City's LDR's. The lots will utilize the City's sewer and water systems.

- Policy I. 1.2 The City's future land use plan map shall allocate amounts and mixes of land uses for residential, commercial, industrial, public and recreation to meet the needs of the existing and projected future populations and to locate urban land uses in a manner where public faclities may be provided to serve such urban land uses. Urban land uses shall be herein defined as residential, commercial and industrial land use categories.


## Consistency: The site is located in an existing residential area.

- Policy 1.1.3 The City's future land use plan map shall base the designation of residential, commercial and industrial lands depicted on the future land use plan map upon acreage which can be reasonable expected to develop by the year 2023.


## Consistency: The subdivision of the land will be complete in 2023.

- Policy 1.1.4 The City shall continue to maintain standards for the coordination and siting of
proposed urban development near agricultural or forested areas, or environmentally sensitive areas (including but not limited to wetlands and floodplain areas) to avoid adverse impact upon existing land uses.

Consistency: The proposed use of the subject property zoned multi-family and will not have any adverse envionmental impacts on the existing land uses.

- Policy 1.1.5 The City shall continue to regulate and govern future urban development within designated urban development areas in conformance with the land topography and soll conditions, and within an area which is or will be served by public facilities and services.

Consistency: The site is located in an existing residential area.

- Policy 1.1.6 The City's land development regulations shall be based on and be consistent with the following land use classifications and corresponding standards for densities and intensities within the designated urban development areas of the City. For the purpose of this policy and comprehensive plan, the phrase "other similar uses compatible with" shall mean land uses that can co-exist in relative proximity to other uses in a stable fashion over time such that no other uses within the same land use classification are negatively impacted directly or indirectly by the use.


## Consistency: The proposed lots are compatible with the adjacent residential lots.

Please contact me at 307.680 .1772 if you have any questions.

## Respectfully,



Digitally signed by Carol Chadwick DN: $\mathrm{c}=\mathrm{US}, \mathrm{o}=$ Florida, dnQualifier=A01410D0000017EB6D92 4CE0005954C, cn=Carol Chadwick Date: 2023.12.22 13:35:41-05'00'

Carol Chadwick, P.E.

[^5]PARCEL: 33-3S-17-13536-005

DESCRIPTION:

All of that part of SE $1 / 4$ of SW $1 / 4$ that lies South of Unit 2, Woodland Grove Subdivision, east of Southeast Sycamore Terrace (formerly Sycamore Lane), and north and west of Southeast Magnolia Loop (formerly Sycamore Lane).

Columbia County Property Appraiser
Jeff Hampton
Parcel: (cc) 33-35-17-13536-005 (43932) (22)
Owner \& Property Info

| Owner \& Property Info |  |  | Result: 1 of 0 |
| :---: | :---: | :---: | :---: |
| Owner | PINNACLE PROPERTIES \& DEVELOPMENT 232 NW CHADLEY LN LAKE CITY, FL 32055 |  |  |
| Site |  |  |  |
| Description ${ }^{*}$ | ALL THAT PART OF SE $1 / 4$ OF SW1/4 THAT LIES S OF UNIT 2, WOODLAND GROVE SID, E OF SE SYCAMORE TER \& $N$ \& W OF SE MAGNOLLA LOOP. 1043-1530, WD 14462230, WD 1481-183 |  |  |
| Area | 1.71 AC | S/T/R | 33-35-17 |
| Use Code** | VACANT (0000) | Tax District | 1 |


Property \& Assessment Values

| 2022 Certifiod Values |  | 2023 Wording Values |  |
| :---: | :---: | :---: | :---: |
| Mkt Land | \$105,000 | Mkt Land | \$129,500 |
| Ag Land | \$0 | Ag Land | \$0 |
| Building | \$0 | Building | \$0 |
| XFOB | \$0 | XFOB | \$0 |
| Just | \$105,000 | Just | \$129,500 |
| Class | \$0 | Clabs | \$0 |
| Appraised | \$105,000 | Appraised | \$129,500 |
| SOH Cap [?] | 50 | SOH Cap [7] | \$0 |
| Assessed | \$105,090 | Assessed | \$129,500 |
| Exempt | SO | Exempt | \$0 |
| Total Taxable | county: $\$ 105,000 \mathrm{cta}$. $\$ 105,000$ ether:\$0 echool:\$105,000 | Total Taxable | countys $\$ 129,500$ ctly: $\$ 129,500$ other: $\$ 0$ sachoot $\$ 128,500$ |

2023 Working Values updated: 7/8202

Aenal Vioweil Pictometery Google Mapa
$\bigcirc_{2022} \bigcirc_{2019} \bigcirc_{2018} \bigcirc_{2013} \bigcirc_{2010} \square$ sates


| * Sales History |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sale Date | Sale Price | Book/Page | Deed | V/I | Qualification (Codes) | RCode |
| 11/22/2022 | \$100 | 14810183 | WD | $v$ | U | 11 |
| 9/3/2021 | \$135,000 | 14482230 | WD | V | 0 | 01 |



- Extra Features 8 Out Bulldings (Codes)

| Code | Desc | Year Blt | Value | Units | Dims |
| :---: | :---: | :---: | :---: | :---: | :---: |


| - Land Breakdown |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Code | Desc | Units | Adjustments | Eff Rate | Land Value |
| 0000 | VAC RES (MKT) | 7.000 LT (1.710 AC) | 1.0000/1.0000 1.0000/I | \$18,500 /LT | \$129,500 |
| Seerch Result: 1 of 0 |  |  |  |  |  |

Prepared by:
Michae! H. Harrel1
Abstract Trust Title, LLC
283 NW Cole Terrace
Lake City, FL 32055
4-11055

Inst: 202112018140 Dete: 09/09/2021 Time: 10-314M
Page 1 of 3 B: 1446 P: 2230, James M Swisher Jr, Clerk of Court
Columbla, County, By: VC
Deputy ClerkDoc Stamp-Deed: 945.00

# Warranty Deed <br> LLC to Individual 

THIS WARRANTY DEED made the $\}$ day of September, 2021, by MOD Development, LLC, a Florida Limited Liability Company, hereinafter called the grantor, to Kevin Bedenbaugh, Jr. and Gregory Bedenbaugh, as Joint Tenants with Rights of Survivorship, whose address is: 232 NW Chadley Lane, Lake City, FL 32055, hereinafter called the grantee:
(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporation)

Witnesseth: That the grantor, for and in consideration of the sum of $\$ 10.00$ and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys, and confirms unto the grantee, all that certain land situate in COLUMBIA County, Florida:

## See Exhibit "A" Attached Hereto and by this Reference Made a Part Hereof.

TOGETHER with all tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

TO HAVE AND TO HOLD, the same in fee simple forever.
AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to the prior year.

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:


Jordan A. Hallock Printed Name:


Printed Name:

## STATE OF FLORIDA COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me by means of $\boxtimes$ physical presence or $\square$ online notarization, this 3 day of September, 2021 by John W. O'Neal, as Manager of MOD Development, LLC, a Florida Limited Liability Company, personally known to me or, if not personally known to me, who produced $\qquad$ DR as identification.

(Notary Seal)


ATT \#4-11055

## Exhibit "A"

Parcel 1:
SECTION 33, TOWNSHIP 3 SOUTH, RANGE 17 EAST: All that part of SE $1 / 4$ of SW $1 / 4$, that lies South of Unit 2, Woodland Grove Subdivision, according to the plat thereof as recorded in Plat Book 3, Page 72; East of Southeast Sycamore Terrace (formerly Sycamore Lane); and North and West of Southeast Magnolia Loop (formerly Sycamore Lane).


I
(r)
an officul thur whtrata nrmom

Department of State I Difiskon of Corporations I Search Records I Search by Enitity Name I

| Detail by Entity Name |  |
| :---: | :---: |
| Florida Limited Liability Company |  |
| PINNACLE PROPERTIES \& DEVELOPMENT LLC |  |
| Filing information |  |
| Document Number | L22000215512 |
| FEIEIN Number | 92-0643735 |
| Date Filed | 05/06/2022 |
| Effective Date | 05/01/2022 |
| State | FL |
| Status | ACTIVE |
| Principal Address |  |
| 232 NW CHADLEY LANE |  |
| LAKE CITY, FL 32055 |  |
| MailingAddress |  |
| 232 NW CHADLEY LANE |  |
| LAKE CITY, FL 32055 |  |
| Registered Agent Name \& Address |  |
| BEDENBAUGH, KEVIN L, JR. |  |
| 232 NW CHADLEY LANE |  |
| LAKE CITY, FL 32055 |  |
| Authorized Person(s) Detall |  |
| Name \& Address |  |
| Title MGR |  |
| BEDENBAUGH, KEVIN L, JR |  |
| 232 NW CHADLEY LN |  |
| LAKE CITY, FL 32055 |  |
| Title MGR |  |
| BEDENBAUGH, GREGORY A |  |
| 390 SW BEDENBAUGH LN |  |
| LAKE CITY, FL 32025 |  |
| Annual Reports |  |
| Report Year Filed Date |  |
| 2023 02/20/2023 |  |
| Document Images |  |
| 022012023-ANNUAL_REPORI | View lmage in PDF format |
| 05508/2022 - Florkid Limited Lablilitx | $x$ __. Viow Image in PDF format |

## GROWTH MANAGEMENT DEPARTMENT

 205 North Marion Ave, Lake City, FL 32055Phone: 386-719-5750
E-mail: growthmanagement@1cfla.com

## AGENT AUTHORIZATION FORM

I, KEVIN BEDEBAUGH, JR.
(owner name), owner of property parcel
number 33-3s-17-135636-005 (parcel number), do certify that
the below referenced persons) listed on this form is/are contracted/hired by me, the owner, or, is an officer of the corporation; or, partner as defined in Florida Statutes Chapter 468, and the said persons) is/are authorized to sign, speak and represent me as the owner in all matters relating to this parcel.

| Printed Name of Person Authorized | Signature of Authorized Person |
| :--- | :--- |
| 1. CAROL CHADWICK, PE | 1. |
| 2. | 2. |
| 3. | 3. |
| 4. | 4. |
| 5. | 5. |

I, the owner, realize that I am responsible for all agreements my duly authorized agent agrees with, and I am fully responsible for compliance with all Florida Statutes, City Codes, and Land Development Regulations pertaining to this parcel.

If at any time the persons) you have authorized is/are no longer agents, employees), or officers), you must notify this department in writing of the changes and submit a now letter of authorization form, which will supersede all previous lists. Failure to do so may allow unauthorized persons to use your name and/or license number to obtain permits.


NOTARY INFORMATION:
STATE OF: FLORIDA COUNTY OF: CoLum $\operatorname{Cos} / \mathrm{A}$

The above person, whose name is $K E V / N B E P E N B A L G i t$ personally appeared before $m e$ and is known by me or has produced identification (type of I.D.) $\qquad$ on this 23 day of $\qquad$ 20 23 (Charlevei) Pitman NOTARY'S SIGNATURE
(Seal/Stamp)

## Columbia County Tax Collector

## Tax Record

Last Update: 7/6/2023 3:46:07 PM EDT
Register for eBill

## Ad Valorem Taxes and Non-Ad Valorem Assessments

The information contained herein does not constitute a titite search and should not be relied on as such


| Ad Valorem Taxes |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Taxing Authority | Rate | $\begin{gathered} \text { Assassed } \\ \text { Value } \end{gathered}$ | Exeraption Amount | $\begin{gathered} \text { Tarable } \\ \text { Value } \end{gathered}$ | Taxas <br> Levied |
| CITY OF LARE CTTY | 4.9000 | 105,000 | 0 | \$105,000 | \$514.50 |
| bohrd of county comeissioners | 7.8150 | 105,000 | 0 | \$105,000 | \$820.58 |
| COLUMBIA COUNTY SCHOOL BOARD |  |  |  |  |  |
| discretionary | 0.7480 | 105,000 | 0 | \$105,000 | \$78.54 |
| local | 3.2990 | 105,000 | 0 | \$105,000 | \$346.40 |
| CAPITAL OUTLAY | 1.5000 | 105,000 | 0 | \$105,000 | \$157.50 |
| Sutarnee river water mgt dist | 0.3368 | 105,000 | 0 | \$105,000 | \$35.36 |
| LAKE SHORE HOSPITAL AUTHORITY | 0.0001 | 105,000 | 0 | \$105,000 | \$0.01 |
| Total Millage | 18.5989 | T | otal Taxes |  | 952.89 |

Non-Ad Valorem Assessments
Code Levying Authority

| Fomount |  |
| :---: | :---: |
| Total Assessments | $\$ 0.00$ |
| Taxes \& Assessments | $\$ 1,952.89$ |
|  | If Pald By |
|  | Amount Due |


| Date Paid | Transaction | Receipt | Item | Amount Paid |
| :--- | :--- | :--- | :---: | :---: |
| $12 / 19 / 2022$ | PAYMENT | 1502829.0001 | 2022 | $\$ 1,894.30$ |

Prior Years Payment History
[— Prior Year Taxes Due

# REVIEW REPORT TO PLANNING AND ZONING, BOARD OF ADJUSTMENT AND HISTORICAL COMMITTEES' BY STAFF FOR SITE PLAN REVIEW, SPECIAL EXCEPTIONS, VARIANCES, COMPREHENSIVE PLAN AMENDMENTS/ ZONING AND CERTIFICATE OF APPROPRIATENESS 

## Date: <br> $\square$

Request Type: Site Plan Review (SPR) Special Exception (SE) $\square$ Variances (V) $\square$
$\square$ Comprehensive Plan Amendment/Zoning (CPA/Z) Certificate of Appropriateness (COA)
Project Number: ..... SPR 24-02
Project Name: ..... Melrose Place
$\qquad$
Project Parcel Number: 13536-005
Owner Name: Kevin Bedenbough
owner Address: 232 NW Chadley Lane, Lake City, FL
Owner Contact Information: Telephone Number: ${ }^{386-365-5264}$ Email: ${ }^{\text {plumblevelconstruction@gmail.com }}$
Owner Agent Name: Carol Chadwick
Owner Agent Address: 1208 SW Fairfax Glen, Lake City, FL
Owner Agent Contact Information: Telephone: ${ }^{307-380-1772}$ Email: ${ }^{\text {ccpewyo@gmail.com }}$

The City of Lake City staff has reviewed the application and documents provided for the above request and have determined the following.

Growth Management - Building Department, Planning and Zoning, Code Enforcement, Permitting

$\square$
Planning and Zoning: Reviewed by Redut Angle

| Duplexes and multi-family dwellings are a permitted use in the RMF-2 zoning |
| :--- |
| district per the Land Development Regulations section 4.9.2. The property has |
| a Future Land Use of Residential High and allows up to twenty (20) dwelling |
| units per acres. |




no comments at this time


| Sewer Department: Reviewed by: Coly pridyou | Date: ${ }^{2 / 8 / 2024}$ |
| :---: | :---: |
|  |  |

$\square$
Gas Department: Reviewed by: Steme frown _D_Date: 2/9/2024

No comment at this time.

Water Distribution/Collection: Reviewed by: $\qquad$ Date: ${ }^{2 / 7 / 2024}$

```
no concerns
```

 Date: ${ }^{2 / 7 / 2024}$
$\qquad$
A tap application and utility plans will need to be submitted in order to request city utilities. The utility fees will be calculated upon approval of the tap application and utility plans.

Public Safety - Public Works, Fire Department, Police Department


No comment at this time.

Approved by Chief Joshua Wehinger

Police Department: Reviewed by: $\qquad$ Date: $\qquad$
$\square$

Please provide separate pages for comments that will not fit in provided spaces and please label the pages for your department and for the project.

## LAKE CTY GROWTH MANAGEMENT STAFF ANALYSS REPORT

| Project Information |  |
| :--- | :--- |
| Project Name and Case No. | Melrose Place Site Plan Review SPR 24-03 |
| Applicant | Carol Chadwick, as agent |
| Owner | Kevin Bedenbaugh |
| Requested Action | Site plan review. The parcel is located in the RMF-2 zoning <br> district. |
| Hearing Date | 03-05-2023 |
| Staff Analysis/Determination | Sufficient for Review |
| Prepared By | Robert Angelo |


| Subject Property Information |  |
| :--- | :--- |
| Size | $+/-1.71$ Acres |
| Location |  |
| Parcel Number | $13536-005$ |
| Future Land Use | Residential High |
| Proposed Future Land Use | Residential High |
| Current Zoning District | Residential Multi-Family 2 |
| Proposed Zoning | Residential Multi-Family 2 |
| Flood Zone-BFE | Flood Zone X Base Flood Elevation- N/A |


| Land Use Table |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Direction | Future Land Use | Zoning | Existing Use | Comments |  |
| N | Res Moderate | RSF-2 | Residential |  |  |
| E | Res Moderate | RSF-2 | Vacant |  |  |
| S | Res Moderate and <br> Res High | RSF-2 <br> and <br> RMF-2 | Veterans Affairs |  |  |
| W | Res Moderate | RSF-2 | Vacant |  |  |

Map of Location


Picture of Location


## Summary of Request

Applicant has petitioned have a site plan review to build multi-family dwellings on parcel 13536005.

To Whom it May Concern

On March 5, 2024 the Planning and Zoning Board will be having a meeting at 5:30pm, or as soon after, at 205 N. Marion. At this meeting we will be hearing a petition to review a site plan, SPR 24-02, for Melrose Place, in the multi-family 2 zoning district.

If you have any questions or concerns please call 386-752-2031 ext. 820 or email growthmanagement@lcfla.com.

Robert Angelo

Planning and Zoning Tech
City of Lake City

| Name | Address1 | Address2 | Address3 | City | State | ZIP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MORGAN TRAVIS | 1124 SE MAGNOLIA LOOP |  | LAKE CITY | FL | 32025 |  |
| MOD DEVELOPMENTLLC | 212 SE HICKORY DR |  | LAKE CITY | FL | 32025 |  |
| MHATRE AJAY U | 165 SW VISION GLN |  | LAKE CITY | FL | 32025 |  |
| PINNACLE PROPERTIES \& DEVELOPMENT | 232 NW CHADLEY LN |  | LAKE CITY | FL | 32055 |  |
| MOD Development llc | 212 SE HICKORY DR |  | LAKE CTTY | FL | 32025 |  |
| POUNDS GLENNIS J | 654 SE ELOISE AVE |  | LAKE CTTY | FL | 32025 |  |
| MCINNIS LISAD OLIVER | 678 SE ELOISE AVE |  | LAKE CITY | FL | 32025 |  |
| HUDSON W KEITH | 198 NE RUSKIN WAY |  | LAKE CTTY | FL | 32055 |  |
| MLMWESt llc | 3101 W US HIGHWAY 90 STE 201 |  | LAKE CITY | FL | 32055 |  |
| BPS \& HLLC | . |  | . | - | - |  |
| GILBERT ROBERT B | 3811 TAFT AVENUE |  | DAYTON | OH | 45431 |  |
| morgan travis | 1124 SE MAGNOLAALP |  | LAKE CITY | FL | 32025 |  |
| diY development llc | 215 SW WINDSWEPT GLN |  | LAKE CITY | FL | 32024 |  |
| diY development llc | 215 SW WINDSWEPT GLN |  | LAKE CITY | FL | 32024 |  |
| HOWE WILLIAM ROBERT | 6721 COUNTRY ROAD 248 |  | O'brien | FL | 32071 |  |
| HARRINGTON MARIAHS | 1211 SE MAGNOLIALOOP |  | LAKE CITY | FL | 32025 |  |
| WARD WYATT C | 1227 SE MAGNOLIA LOOP |  | LAKE CITY | FL | 32055 |  |
| MOD DEVELOPMENTLLC | 212 SE HICKORY DR |  | LAKE CITY | FL | 32025 |  |
| SORENSEN \& SMITH LLC | 147 SW SUMMERS LN |  | LAKE CITY | FL | 32025 |  |
| JUAREZ FLOR DE LIZ | 669 SE SYCAMORE TER |  | LAKE CITY | FL | 32025 |  |
| PATRICK JEFFERY L | 689 SE SYCAMORE TER |  | LAKE CITY | FL | 32025-6223 |  |
| TIITFIDEPT VETERANS AFFAIRS | 3900 COMMONWEALTH BLVD |  | TALLAHASSEE | FL | 32399-3000 |  |
| WILSON BRYANA | 1082 SE VIOLET PL |  | LAKE CITY | FL | 32025 |  |
| CHARLES debrainn | 1096 SE VIOLET PL |  | LAKE CITY | FL | 32025 |  |
| ROGERS NANCYT | 1097 SE VIOLET PL |  | LAKE CITY | FL | 32025-6225 |  |
| CAGLE PAMELAJ | 1106 SE VIOLET PL |  | LAKE CITY | FL | 32025 |  |
| Stlwfarle | POBOX 801 |  | LAKE CITY | FL | 32056-0801 |  |
| BROWN GLENDA | 1126 SE VIOLET PL |  | LAKE CITY | FL | 32025 |  |
| DIX KATHYL | 1129 SE VIOLET PL |  | LAKE CITY | FL | 32025 |  |
| WILIAMS ANGELAC | 1141 SE VIOLET PL |  | LAKE CITY | FL | 32025 |  |
| BLACKWELL DEBORAHE | 1142 SE VIOLET PL |  | Lake city | FL | 32025 |  |
| WILLIAMS JANICEL | 1154 SE VIOLET PL |  | LAKE CITY | FL | 32025 |  |
| BULLARD BRADLEY Bray | 1157 SE VIOLET PL |  | LAKE CITY | FL | 32025-6225 |  |
| RIVERO JOSE MOREO II | 153 SE HAVEN CT |  | LAKE CITY | FL | 32025 |  |
| ASH DUSTIN WILLAM | 1173 SE VIOLET PL |  | LAKE CITY | FL | 32025 |  |

## GIS Buffer





U.S. Fostal Selvice

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U.S. Postal Service ${ }^{\text {w" }}$

CERTIFIED MAIL® RECEIPT
Domestic Mail Only


## U.S. Postal Service ${ }^{T M}$




# CITY OF LAKE CITY <br> NOTICE <br> LAND USE ACTION 

A PUBLIC HEARING IS SCHEDULED TO CONSIDER A REQUEST FOR:

| SPR24-02, a petition by Carol Chadwick. as agent, to request a Site Plan Review as provided for in <br> Section 4.9.2 of the Land Development Regulations, to get approval on a site plan, for Melrose Place, <br> for a property located in the Residential Multi-Family 2 zoning district, in accordance with the <br> submittal of the petition dated December 22, 2023, to be located on parcels 33-3S-17-13536-000. |  |
| :--- | :--- |
| WHEN: | March 5, 2024 <br> $5: 30$ p.m. |
| WHERE: | City Council Meeting Room, Second Floor, City Hall, located at 205 North Marion Avenue, <br> Lake City, Florida. <br> Members of the public may also view the meeting on our YouTube channel at: <br> https://www.youtube.com/c/CityofLakeCity. |

Copies of the site plan application are available for public inspection by contacting the Office of Growth Management at growthmanagement@1cfla.com or by calling 386.719.5820.

At the aforementioned public hearing, all interested parties may be heard with respect to the Certificate of Appropriateness.

FOR MORE INFORMATION CONTACT ROBERT ANGELO<br>PLANNING \& ZONING TECHNICIAN<br>AT 386.719.5820




## CITY OF LAKE CITY NOTICE LAND USE ACTION

A PUBLIC HEARING IS SCHEDULED TO CONSIDER A REQUEST FOR:
\(\left.\begin{array}{|ll|}\hline SPR24-02, a petition by Carol Chadwick. as agent, to request a Site Plan Review as provided for in <br>
Section 4.9.2 of the Land Development Regulations, to get approval on a site plan, for Melrose Place, <br>
for a property located in the Residential Multi-Family 2 zoning district, in accordance with the <br>

submittal of the petition dated December 22, 2023, to be located on parcels 33-3S-17-13536-000.\end{array}\right\}\)| WHEN: | March 5, 2024 <br> $5: 30$ <br> p.m. |
| :--- | :--- |
| WHERE: | City Council Meeting Room, Second Floor, City Hall, located at 205 North Marion Avenue, <br> Lake City, Florida. <br> Members of the public may also view the meeting on our YouTube channel at: <br> https://www.youtube.com/c/CityofLakeCity. |

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At the aforementioned public hearing, all interested parties may be heard with respect to the Certificate of Appropriateness.

# FOR MORE INFORMATION CONTACT <br> ROBERT ANGELO <br> PLANNING \& ZONING TECHNICIAN 

AT 386.719.5820

## NOTICE OF PUBLIC MEETING CITY OF LAKE CITY PLANNING AND ZONING BOARD

THIS SERVES AS PUBLIC NOTICE the Planning and Zoning Board will hold a meeting on Tuesday, March 5, 2024 at 5:30 PM or as soon after.

1. SPR 24-03, Petition submitted by Michael Wagner, (agent) for WPG-Lake City, LLC, (owner), for a Site Plan Review for Wawa, in a Commercial Intensive zoning district, and located on parcels 06185-000 and 06233-000, which is regulated by the Land Development Regulations Section 4.13.
2. CPA23-06 and Z23-07, Petition submitted by David Winsberg, (owner), for Comprehensive Plan Amendment to the Future Land Use and a Rezoning to the Official Zoning Atlas of land located in the residential multi-family 1 and the residential single family-3 zoning districts, on parcels 11602-002 and 11642-000
3. SPR 24-02, Petition submitted by Carol Chadwick, (agent) for Kevin Bendenbaugh, (owner), for a Site Plan Review for Melrose Place, in a residential multi-family 2 zoning district, and located on parcel 13536000, which is regulated by the Land Development Regulations Section 4.9.

Meeting Location: City Council Chambers located on the $2^{\text {nd }}$ Floor of City Hall at 205 North Marion Avenue, Lake City, FL 32055.

Members of the public may also view the meeting on our YouTube channel at: https://www.youtube.com/c/CityofLakeCity

Pursuant to $\mathbf{2 8 6 . 0 1 0 5}$, Florida Statutes, the City hereby advises the public if a person decides to appeal any decision made by the City with respect to any matter considered at its meetings or hearings, he or she will need a record of the proceedings, and that, for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

SPECIAL REQUIREMENTS: Pursuant to 286.26, Florida Statutes, persons needing special accommodations to participate in this meeting should contact the City Manager's Office at (386) 719-5768.

Robert Angelo
Planning and Zoning Tech.

## Angelo, Robert

| From: | LCR-Classifieds [classifieds@lakecityreporter.com](mailto:classifieds@lakecityreporter.com) |
| :--- | :--- |
| Sent: | Tuesday, February 20, 2024 3:06 PM |
| To: | Angelo, Robert |
| Subject: | RE: 76741 RE: Non-Legal Ad Notice for Planning and Zoning Meeting 03-05-2024 |

Confirmed

Thank you
Kym Harrison • 386-754-0401
Serving 4 counties in North Florida

## $\mathbf{7 0 \%}$ of households with income above $\mathbf{\$ 1 0 0 k}$ are newspaper readers.

Sources: ${ }^{1} 2018$ Release 2 Nielsen Scarborough Report. Copyright 2019 Scarborough Research. All rights reserved

From: Angelo, Robert [AngeloR@lcfla.com](mailto:AngeloR@lcfla.com)
Sent: Tuesday, February 20, 2024 2:58 PM
To: LCR-Classifieds [classifieds@lakecityreporter.com](mailto:classifieds@lakecityreporter.com)
Subject: RE: 76741 RE: Non-Legal Ad Notice for Planning and Zoning Meeting 03-05-2024

Looks good.

Thank You
Robert Angelo
City of Lake City
Growth Management
growthmanagement@lcfla.com
386-719-5820


PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from City officials regarding City business are public records available to the public and media upon request. Your email communications may be subject to public disclosure.

From: LCR-Classifieds [classifieds@lakecityreporter.com](mailto:classifieds@lakecityreporter.com)
Sent: Tuesday, February 20, 2024 11:46 AM
To: Angelo, Robert [AngeloR@lcfla.com](mailto:AngeloR@lcfla.com)
Subject: 76741 RE: Non-Legal Ad Notice for Planning and Zoning Meeting 03-05-2024

Proof attached for approval. $2 \times 9 \$ 297$ publishing 2/24

Thank you
Kym Harrison • 386-754-0401
Serving 4 counties in North Florida

From: Angelo, Robert [AngeloR@lcfla.com](mailto:AngeloR@lcfla.com)
Sent: Tuesday, February 20, 2024 10:25 AM
To: LCR-Classifieds [classifieds@lakecityreporter.com](mailto:classifieds@lakecityreporter.com)
Subject: Non-Legal Ad Notice for Planning and Zoning Meeting 03-05-2024

Kym
Please publish this ad in the body of the paper as a display ad in the February 24, 2024 paper.

Thank You<br>Robert Angelo<br>City of Lake City<br>Growth Management<br>growthmanagement@lcfla.com<br>386-719-5820



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Robert Angelo
Planning and Zoning Tech.

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Robert Angelo<br>Planning and Zoning Tech.


[^0]:    Date:
    08-17-2023

[^1]:    AADT FLAGS: $C=$ COMPUTED; $E=$ MANUAL ESTIMATE; F = FIRST YEAR ESTIMATE $S=$ SECOND YEAR ESTIMATE; T = THIRD YEAR ESTIMATE; R = FOURTH YEAR ESTIMATE $\mathrm{V}=\mathrm{FIFTH}$ YEAR ESTIMATE; $6=$ SIXTH YEAR ESTIMATE; X = UNKNOWN
    *K FACTOR: STARTING WITH YEAR 2011 IS STANDARDK, PRIOR YEARS ARE K30 VALUES

[^2]:    AADT FLAGS: $C=$ COMPUTED; $E=$ MANUAL ESTIMATE; F = FIRST YEAR ESTIMATE $S=$ SECOND YEAR ESTIMATE; T = THIRD YEAR ESTIMATE; R = FOURTH YEAR ESTIMATE $\mathrm{V}=\mathrm{FIFTH}$ YEAR ESTIMATE; $6=$ SIXTH YEAR ESTIMATE; X = UNKNOWN
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[^3]:    Carol Chadwick, P.E.

[^4]:    Printed coples of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
    CC Job \#FL2|365

[^5]:    Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
    CC Job \#FL2 1365

