

**Notice of City Council Meeting  
AGENDA**

**August 10, 2021 at 6:00 PM**

**NOTICE TO THE PUBLIC IS HEREBY GIVEN** the Montgomery City Council will conduct its City Council Meeting scheduled for **6:00 PM on Tuesday, August 10, 2021**, at the City of Montgomery City Hall, 101 Old Plantersville Road, Montgomery, Texas.

Members of the public may view the meeting live on the City's website [www.montgomerytexas.gov](http://www.montgomerytexas.gov) under Agenda/Minutes and then select **Live Stream Page (located at the top of the page)**. The Meeting Agenda Pack will be posted online at [www.montgomerytexas.gov](http://www.montgomerytexas.gov). The meeting will be recorded and uploaded to the City's website.

**CALL TO ORDER**

**INVOCATION**

**PLEDGE OF ALLEGIANCE TO FLAGS**

**VISITOR/CITIZENS FORUM:**

Any citizen with business not scheduled on the agenda may speak to the City Council. Prior to speaking, each speaker must be recognized by the Mayor. City Council may not discuss or take any action on an item but may place the issue on a future agenda. The number of speakers along with the time allowed per speaker may be limited.

**CONSENT AGENDA:**

- 1.** Matters related to the approval of the July 21, 2021 Special Meeting and July 27, 2021 Regular Meeting Minutes.
- 2.** Consideration and possible action on calling a Public Hearing regarding the City of Montgomery 2021-2022 Proposed Operating Budget.

**CONSIDERATION AND POSSIBLE ACTION:**

- 3.** Consider and accept Excess Collections for 2020 Debt Service and Certification for Debt Service Collection Rate for 2021/2022.
- 4.** Presentation of FM 1097 and Buffalo Springs Drive Traffic Signal Warrant Analysis and FM 1097 Speed Study by Jones | Carter, Inc.
- 5.** Consideration and possible action regarding acceptance of the FM 1097 and Buffalo Springs Drive Traffic Signal Warrant Analysis as performed by Jones | Carter, Inc.
- 6.** Consideration and possible action regarding acceptance of the FM 1097 Speed Study as performed by Jones | Carter, Inc.
- 7.** Consideration and possible action regarding the purchase of an emergency power generator for the City of Montgomery Community Building located at 14420 Liberty Street.
- 8.** Consideration and possible action on the purchase of vehicles for the City of Montgomery Police Department.

9. Consideration and possible action to purchase three (3) mobile traffic control and messaging signs from All Traffic Solutions.

**EXECUTIVE SESSION:**

The City Council reserves the right to discuss any of the items listed specifically under this heading or for any items listed above in executive closed session as permitted by law including if they meet the qualifications in Sections 551.071(consultation with attorney), 551.072 (deliberation regarding real property), 551.073 (deliberation regarding gifts), 551.074 (personnel matters), 551.076 (deliberation regarding security devices), and 551.087 (deliberation regarding economic development negotiations) of Chapter 551 of the Government Code of the State of Texas.

**POSSIBLE ACTION FROM EXECUTIVE SESSION:**

**COUNCIL INQUIRY:**

Pursuant to Texas Government Code Sect. 551.042 the Mayor and Council Members may inquire about a subject not specifically listed on this Agenda. Responses are limited to the recitation of existing policy or a statement of specific factual information given in response to the inquiry. Any deliberation or decision shall be limited to a proposal to place on the agenda of a future meeting.

**ADJOURNMENT**

/s/Susan Hensley

Susan Hensley, City Secretary

I certify that the attached notice of meeting was posted on the bulletin board at City of Montgomery City Hall, 101 Old Plantersville Road, Montgomery, Texas, on August 6, 2021, at 2:40 p.m. I further certify that the following news media was notified of this meeting as stated above: The Courier

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*This facility is wheelchair accessible and accessible parking spaces are available. Please contact the City Secretary's office at 936-597-6434 for further information or for special accommodations.*

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**MINUTES OF SPECIAL MEETING**  
**July 21, 2021**  
**MONTGOMERY CITY COUNCIL**

**CALL TO ORDER**

Mayor Sara Countryman declared a quorum was present and called the meeting to order at 5:00 p.m.

Present:	Sara Countryman	Mayor
	Carol Langley	City Council Place # 1
	Kevin Lacy	City Council Place # 2
	T.J. Wilkerson	City Council Place # 3
	Julie Davis	City Council Place # 4
	Byron Sanford	City Council Place # 5

Absent:

Also Present:	Richard Tramm	City Administrator
	Dave McCorquodale	Assistant City Administrator
	Susan Hensley	City Secretary
	Alan Petrov	City Attorney

**CALL TO ORDER**

**INVOCATION**

Byron Sanford gave the Invocation.

**PLEDGE OF ALLEGIANCE TO FLAGS**

**VISITOR/CITIZENS FORUM:**

Any citizen with business not scheduled on the agenda may speak to the City Council. Prior to speaking, each speaker must be recognized by the Mayor. Council may not discuss or take any action on an item, but may place the issue on a future agenda. The number of speakers along with the time allowed per speaker may be limited.

Mayor Countryman said she did not receive any citizen visitor forms.

**CONSENT AGENDA:**

**CONSIDERATION AND POSSIBLE ACTION:**

1. Consideration and possible action regarding adoption of a Resolution setting City of Montgomery tax exemptions for 2021.

Mr. Tramm said in May of this year they set three exemption rates for property tax. Mr. Tramm said one was a \$10,000 homestead exemption which the City did not previously have, one was a \$50,000 over 65 exemption, which was keeping what was previously in place, and a \$70,000 disability exemption.

Mr. Tramm said they were informed last week by the Tax Assessor's office that as a City under State law they cannot have a flat dollar amount tax exemption, it has to be adopted as a percentage. Mr. Tramm said their options were to either take no action or call a special meeting because they have until tomorrow morning to have this turned in. Mr. Tramm said essentially when they found out, they could only post a notice for this week because it was too late to post a notice for last week. Mr. Tramm thanked City Council for working their schedules to allow for this meeting to happen.

Mr. Tramm said if they take no action today they keep the over 65 and disability exemptions in place, but the homestead exemption will go away. Mr. Tramm said they had a discussion on that and City Council was favorable, but he wanted to bring that back for reconsideration to be adopted by a percentage if City Council chooses so it can go into place.

Mr. Tramm said the \$10,000 amount is roughly a four percent exemption in terms of its numerical value. Mr. Tramm said you can adopt anything from zero percent up to 20 percent.

Mayor Countryman said Mr. Tramm pulled the information regarding what other cities around them use and asked what was the average. Julie Davis said previously when they spoke about this, she had asked for a percentage and she was told no. Julie Davis said at that point in time Mr. Tramm presented them with Tomball and a couple of other cities that were not in Montgomery County which was around three, four, and five percent. Julie Davis said yesterday and the day before she had meetings with Mr. McCorquodale, Assistant City Administrator, and Mr. Tramm about this and asked the same question. Julie Davis said the majority of the cities in Montgomery County are at zero percent, there are three she believes are one percent, and two that are 20 percent. Julie Davis said that is it and there are no other deviants between one or 20 percent inside Montgomery County. Julie Davis said the two that are 20 percent are Oak Ridge North and Shenandoah and both cities told her that was because of high sales tax revenue so the ad valorem tax and sales tax tend to balance each other. Julie Davis said Shenandoah's ad valorem is 16 cents and their sales tax revenue is about \$6 million and Oak Ridge North ad valorem is 47 cents and their sales tax revenue is \$2.2 million. Julie Davis said our ad valorem is 40 cents and sales tax revenue is \$2.7 million.

Julie Davis said she suggests that we are not going to get any smaller of a city than they are now and if they are ever going to try 20 percent they need to do it now. Julie Davis said a year from now they can always adjust it down but if they start at three, four, and five percent they are never going to give their citizens the 20 percent break they may ever deserve whether their sales tax revenue is there or not. Julie Davis said if Oak Ridge North can sustain it, why couldn't they. Julie Davis said they have more sales tax revenue than Oak Ridge North and they have more coming with future growth and predictions. Julie Davis said she thinks that 20 percent is where they should be. Julie Davis said they are talking about an approximate \$200 per homestead exemption break. Julie Davis said \$200 times 437 homestead exemptions that are currently filed in the City is roughly \$86,000 that they would lose once a year. Julie Davis said if they do not like it they can go back and revisit it. Julie Davis said they are sitting on six, seven, 11 months' worth of arrears, why not give back \$86,000 to the people in our town.

Mayor Countryman said they also have a lot of new expenses coming up with new water and all the infrastructure that is coming in so it is a balancing act they have to be able to sustain with roads and water and it is coming. Mayor Countryman said she gets Julie Davis' point of

the 20 percent but because of all of that coming, they have to be able to provide that infrastructure piece.

Carol Langley asked if MISD gives the homestead exemption and you get it on your tax receipt. Julie Davis said this is over and above the County homestead exemption. Julie Davis said the County offers a homestead exemption and the City will offer it on top of that. Julie Davis said they are exempting part of the ad valorem tax that is the City so that 40 cents to every \$100 valuation we are saying we give a 20 percent discount to that 40 cents. Carol Langley asked if she is already getting a homestead exemption through MISD she would also get another one on top of that. Julie Davis said yes. Julie Davis said the average home site is valued at \$260,000 which means that \$10,400 of that is approximately the City's tax revenue, which the City taxes you on. Julie Davis said of that amount they are saying let us give you 20 percent of that back and you would get a \$2,000 valuation deduction so you would only be taxed on \$8,400.

Mayor Countryman asked how often is it if they do start at 20 percent and then they come down, is it voted on every year, and have they ever had anyone max out at 20 percent. Mayor Countryman asked if they have ever seen it start at 10 and then go to 15. Mayor Countryman said they never had but she is talking about the other cities that they are discussing. Mayor Countryman asked is it typical you start high and then come down low or is it that you go mid-range then you go higher or lower. Mayor Countryman said she agrees with the fact that it is easier to come down versus going up but at the same time she also sees the infrastructure need coming in that they need to be able to be aware of.

Julie Davis said she understands that but there are only five cities in the entire County that are even giving any kind of exemptions at all and the rest of them are at zero.

Mr. Tramm said to answer Mayor Countryman's question, the cities vote on this annually. Mr. Tramm said most of these entities that he is familiar with are using what they have used before. Mr. Tramm said they have the over 65 disability where the City has maintained those for an extended period that the City is happy with and it is good for the residents and their numbers there are high relative to most. Mr. Tramm said most cities do not adjust those numbers because they find the number they are satisfied with and stay there. Mayor Countryman said she is curious that no one is at 20 percent and the highest is two. Julie Davis said no, there are two

cities at 20 percent. Julie Davis said it is worth mentioning to everyone sitting on City Council, she gets no benefit from this. Julie Davis said she is getting no benefit to argue for 20 percent for anyone. Julie Davis said she just thinks it is good for their town.

Mr. Tramm said he thinks one thing for City Council to consider is the number you have in place is for a year, it can be adjusted up or down from there. Mr. Tramm said most of the cities are at zero percent and there are a couple at 20 percent but those ones do have a high proportion of sales tax revenue. Julie Davis said Oak Ridge does not. Julie Davis said Oak Ridge has \$500,000 less in sales tax revenue than they do. Mr. Tramm said Oak Ridge does have a high amount of sales tax relative to their property tax and that is new to Montgomery as of two years ago but that is something they are on an increasing trend for. Mr. Tramm said while he does think that trend will slow down, he does think it will continue. Julie Davis said she does not think it will slow down. Julie Davis asked Mr. Tramm if he thinks it will slow down. Julie Davis said they are talking about 517 homes that are going in at \$500,000. Mayor Countryman said it is something though they are going to be at capacity within the City limits. Julie Davis said all the more incentive to ask someone now with the new legislation people have to ask to be annexed in. Julie Davis said they were a home City anyways so they had to ask to be annexed in. Julie Davis said if they are going to have people say they want to be a part of the City, why not have 20 percent for homestead exemption because that is a pull for people to say please annex me into your City.

Mr. Tramm said the direction he wanted to go with those details was if you look back several years many people would be surprised to think the City of Montgomery collects more sales tax than the City of Oak Ridge North. Mr. Tramm said that is something that was not true until two years ago. Mr. Tramm said where the City of Oak Ridge North is increasing in sales tax on a straight line, the City of Montgomery is showing an increase in the economic growth here that Oak Ridge North does not have. Mr. Tramm said they have a huge advantage of being on the interstate highway, but they are also blocked in as they build-out. Mr. Tramm said Montgomery is far from built out in an economic development sense.

Kevin Lacy asked what would be the advantages and disadvantages of starting at 20 percent. Julie Davis said the disadvantage is they are going to lose \$86,000 out of their corner so to speak for the next fiscal year, not this one. Julie Davis said they have time to plan. Julie Davis

said she fully believes that their increased sales tax revenue has shown in provability that they would more than make that up in sales tax revenue and it would still come in as a benefit to the citizens. Byron Sanford said he agrees. Julie Davis said she feels like it is a win-win to start there because fiscally the numbers make sense and she asked for percentage in the first place. Mayor Countryman said Julie Davis was also the first one to make a motion.

Byron Sanford said toward the end of the infrastructure they know it is coming at some point won't they feel the need to ask the taxpayers to help with that in some way. Mr. Tramm said one way or another all the infrastructure is paid for by the taxpayers. Byron Sanford asked if it wouldn't make sense to try and ease that now at this time as much as they can. Julie Davis said how much are we going to sit on because they keep spending \$5,000 for all of the MEDC's stuff on goats and walkie-talkies and random items. Mayor Countryman said they are not just walkie-talkies. Mayor Countryman said the Chief requested those and they are actually for emergency services. Mayor Countryman invited the Chief to the next meeting to discuss why he needed those walking talkies and how many times they have been used. Julie Davis said just know that the higher the sales tax revenue goes the higher the bank account for MEDC goes as well. Julie Davis said they run hand in hand based upon the fact that MEDC gets a percentage of the sales tax revenue. Julie Davis said those things are not going away especially if MEDC is going to fund part of the downtown area like they are talking about doing. Mayor Countryman said she is all for exemptions and City Council sets the amount. Mayor Countryman said she was just trying to figure out if it is better to go high, low, or medium and make all considerations.

Mr. Tramm said they do have a lot of infrastructure ahead of them but he also believes they have the time to plan for a lot of it. Mr. Tramm said a lot of it is currently under construction that is currently funded and planned that they are continuing. Mr. Tramm said we have the Waterline Project they have been upsizing to connect the two parts of the City that are connected by a large line and that is nearing completion and mostly paid for. Mr. Tramm said there is the work recently beginning for Water Plant No. 3 improvements which will continue and are funded.



Julie Davis said she thinks what Byron Sanford is referring to is the Kammerer Tract like the rest of the City loops around the water lift stations. Mayor Countryman mentioned a water tower. Byron Sanford said the needs for the future.

Mr. Tramm said they definitely have plenty of needs but he is also comfortable in saying they have the resources to be able to accomplish this.

Julie Davis moved to set the homestead exemption at 20 percent. Byron Sanford seconded the motion.

Discussion: Mr. Tramm said they also need the inclusion of the \$50,000 over 65 exemption and the \$70,000 disability exemption.

Julie Davis moved to set the homestead exemption at 20 percent and maintain the \$50,000 over 65, and the disability at \$70,000 for the exemptions. Byron Sanford seconded the motion, the motion carried unanimously. (5-0)

**EXECUTIVE SESSION:**

The City Council reserves the right to discuss any of the items listed specifically under this heading or for any items listed above in executive closed session as permitted by law including if they meet the qualifications in Sections 551.071(consultation with attorney), 551.072 (deliberation regarding real property),551.073 (deliberation regarding gifts), 551.074 (personnel matters), 551.076 (deliberation regarding security devices), and 551.087 (deliberation regarding economic development negotiations) of Chapter 551 of the Government Code of the State of Texas.

No action was taken.

**POSSIBLE ACTION FROM EXECUTIVE SESSION:**

No action was taken.

**COUNCIL INQUIRY:**

Pursuant to Texas Government Code Sect. 551.042 the Mayor and Council Members may inquire about a subject not specifically listed on this Agenda. Responses are limited to the recitation of existing policy or a statement of specific factual information given in response to the inquiry. Any deliberation or decision shall be limited to a proposal to place on the agenda of a future meeting.

Julie Davis said one other thing that came out of Friday was a youth advisory program. Julie Davis said TML is really big on starting those. Julie Davis asked if they could start discussions on possibly hosting their youth advisory committee here for Montgomery. Mr. Tramm said he would be happy to discuss that with her. Julie Davis said she would love to help head it up. Mr. Tramm said he is not familiar with the program Julie Davis is talking about but says he would discuss it with her to see what they can do and it is a perfect time to talk about it because they are adjusting the budget. Mayor Countryman said and just before school starts too.

**ADJOURNMENT**

Kevin Lacy moved to adjourn at 5:18 p.m. Julie Davis seconded the motion, the motion carried unanimously. (5-0)

Submitted by:  Date Approved: \_\_\_\_\_  
Susan Hensley, City Secretary

\_\_\_\_\_  
Mayor Sara Countryman

**MINUTES OF REGULAR MEETING**

**July 27, 2021**

**MONTGOMERY CITY COUNCIL**

**CALL TO ORDER**

Mayor Sara Countryman declared a quorum was present and called the meeting to order at 6:00 p.m.

Present:	Sara Countryman	Mayor
	Carol Langley	City Council Place # 1
	Kevin Lacy	City Council Place # 2
	T.J. Wilkerson	City Council Place # 3
	Julie Davis	City Council Place # 4
	Byron Sanford	City Council Place # 5

Absent:

Also Present:	Richard Tramm	City Administrator
	Dave McCorquodale	Assistant City Administrator
	Alan Petrov	City Attorney
	Katherine Vu	City Engineer

**CALL TO ORDER**

**INVOCATION**

Byron Sanford gave the Invocation.

**PLEDGE OF ALLEGIANCE TO FLAGS**

**VISITOR/CITIZENS FORUM:**

Any citizen with business not scheduled on the agenda may speak to the City Council. Prior to speaking, each speaker must be recognized by the Mayor. Council may not discuss or take any action

on an item but may place the issue on a future agenda. The number of speakers along with the time allowed per speaker may be limited.

Mayor Countryman said she received four citizen and visitor forms. Mayor Countryman said she would call each person up as the forms were received and stated there is a three-minute time limit for each person.

Ms. Juanita Simmons said two weeks ago she attended a City Council meeting and got to see the City at work. Ms. Simmons said she would like to think City Council has listened to the people and maybe they will not be so biased in what they are trying to do and will be concerned and represent all of us here. Ms. Simmons said she thinks ethics, moral compass, trade laws, free enterprise, political fairness in representing every citizen of the City was temporarily abandoned. Ms. Simmons said she wants to implement ways that encourage pride and brings new business to the City. Ms. Simmons said she thinks they should clean up and revitalize parts of the City that do not promote safety and listen to all of the citizens. Ms. Simmons said she thinks they should stop the use of radical platforms that harbor other individuals. Ms. Simmons said she thinks if you surround yourself with like-minded people that think just like you do then you are not representing the rest of us. Ms. Simmons said her pet peeve is golf carts. Ms. Simmons said she drives a golf cart and has trouble crossing from SH 105 to go to Brookshire Brothers. Ms. Simmons said she spoke with Councilmember Davis and showed her where she thinks that could be improved because there have been deaths in this area and this County with golf carts trying to cross the street. Ms. Simmons said she wanted to thank the City for passing the 20 percent homestead exemption and thinks that is a great step in the right direction.

Ms. Brandi Chrisenberry of 18913 Bethel Road, Richards, Texas said she is a member of the community although she is not a resident she wants to be here to offer support to all the locals and in the community. Ms. Chrisenberry asked that while Council is making these decisions to think about what they want to do with these ordinances and things they are about to talk about and pass she thinks it is really easy to forget about the fact that this is our hometown. Ms. Chrisenberry said she wants to remind everyone and herself included that people are pouring into our State right now and they are getting people every day out at the farm visiting that are leaving their states from these states that have such a governmental overreach that they can no longer operate their businesses and their homes and they are not creating happy, positive memories in their states anymore. Ms. Chrisenberry said we have to be better than that because everyone is looking for an example right now and this town is capable

of that. Ms. Chrisenberry said it is an incredible blessing that everyone shows up today to fight for small businesses and the community itself. Ms. Chrisenberry said she does not know about all the politics, but she thinks small businesses and communities and talking with and supporting each other even when the competition is the competition, they need to figure out other ways to do things.

Mr. Clevenger said he wanted to bring attention to the amount of support from the citizens of just not the City of Montgomery but all around our community. Mr. Clevenger said the City of Montgomery depends on the revenue generated not just by the good people who reside within the City limits but everyone within the immediate surrounding neighborhoods. Mr. Clevenger said they also as a community try to work together to attract outside dollars for people to come in and they need to work better at creating and developing a place as a community for people who want to come in and enjoy what we already know. Mr. Clevenger said these two local businesses owned by local residents located at 404 Caroline Street do not just bring jobs and revenue to the City, they bring charm, and more importantly, above all else, they bring people who want to stroll around our community who are potential shoppers and potential home buyers. Mr. Clevenger said as a City and as a community he believes there are so many more important issues they face together than a coffee and ice cream business. Mr. Clevenger thanked Mr. Tramm for his words and implores everyone to read page 111 of the agenda as it stresses the fact of an ice cream business and coffee business is high on the agenda and he references back to the fact that there are so many more important issues facing us as an entire community. Mr. Clevenger said it is not just us. Mr. Clevenger said God bless us all, as he knows we need it, and God bless our community.

Mrs. Julie Stewart thanked Mr. Mike Muckleroy, Public Works Director, and the others in the town who started the process of trying to fix the origins of the sewage overflow on their property. Mrs. Stewart said she is looking forward to seeing the completion of the remediation that prevents this pollution and thanks them very much.

Mrs. Stewart said she would also like to have on record the broken and damaged play equipment at Cedar Brake Park. Mrs. Stewart said she would also like to suggest the addition of a splash pad. Mrs. Stewart said she thinks it would be greatly utilized and a great addition to the Park.

Mrs. Stewart said the City spends a lot of money on things that she thinks are not necessary. Mrs. Stewart said her biggest concern right now along with a lot of others are the concrete goats and a goat

mascot costume that are being pushed on the town. Mrs. Stewart said personally she thinks mascots are for schools and she would like to see money spent on something like that going toward fixing and/or improving the Park for the children and residents in the town.

**CONSENT AGENDA:**

1. Matters related to the approval of the July 13, 2021 Regular Meeting Minutes.

Julie Davis moved to accept the Consent Agenda as presented. Byron Sanford seconded the motion, the motion carried unanimously. (5-0)

**CONSIDERATION AND POSSIBLE ACTION:**

2. Consideration and possible action regarding adoption of the following Proclamation: Recognizing a truly remarkable athlete and City resident, Paislee Bell, on her outstanding accomplishments in gymnastics.

Mayor Countryman said she would like to read the Proclamation to everyone this evening and thinks it is very phenomenal that Paislee works out at the gym with Simone Biles and hopefully within the next three or four years we will see Paislee Bell there at the Olympics.

**PROCLAMATION**

***WHEREAS**, Paislee Bell began competing in 2014 and in her first season of competitive gymnastics, Paislee made it to the District 5 Championships where she finished fourth on bars and fifth all-around; and*

***WHEREAS**, during the 2015-2016 season, Paislee competed at the Houston National Invitational where she won the bars, beam, floor, and all-around titles. The next fall season, Paislee finished up her season at the Texas South State Championships where she brought home gold medals on bars and beam and earned a silver medal in the all-around; and*

***WHEREAS**, during the 2017 season, Paislee kicked off her season at the Boots & Bling District 5 Qualifier and finished fourth place on bars; and*

***WHEREAS**, in February 2018 at the Biles Invitational Paislee finished second on floor and third on beam. Paislee finished her compulsory season in the fall of 2018 and finished as the Texas State beam champion as well as finishing second place in the all-around and third place on bars; and*

***WHEREAS**, during the 2020 season, Paislee kicked off her season at the Alamo Classic where she finished second on bars and third on floor and all around. Paislee improved her all-around score at*

*each meet throughout the season and had her best showing at the Biles International Invitational in February winning the bars, floor, and all-around titles; and*

**WHEREAS**, *during the 2021 season Paislee won the following: Texas State All Around Champion (#1 in Texas), Texas State Bar Champion (#1 in Texas), Region 3 Beam Champion (#1 out of 7 states), Region 3 All Around Silver Medalist (#2 out of 7 states) and Western Bronze Medalist on Floor (#3 out of 24 states).*

**WHEREAS**, *currently, Paislee is a level 9/10 gymnast, she trains 34-hours per week (six days a week) at the World Champions Centre, home of Simone Biles. Paislee attends homeschool where she is a grade ahead and expects to graduate in 2027.*

**NOW, THEREFORE**, *be it proclaimed that the Mayor and Members of City Council of the City of Montgomery do recognize a truly remarkable athlete and resident of the City of Montgomery, Paislee Bell, and congratulate her on her outstanding accomplishments in gymnastics.*

**PASSED, APPROVED AND ADOPTED** *this 27<sup>th</sup> day of July, 2021.*

Mayor Countryman then presented the Proclamation to Ms. Bell.

3. Consideration and possible action regarding the Final Plat for Town Creek Crossing Section One as submitted by LeFevre Development, Inc.

Richard Tramm said this subdivision is located on the northwest corner of Lone Star Parkway and Buffalo Springs Drive and includes Section One includes 102 lots and 14 reserves. Mr. Tramm said the Planning and Zoning Commission approved the Final Plat at their Special Meeting held on July 20, 2021.

Mrs. Vu said this is a routine final plat and they offer no objections to approving the final plat. Mrs. Vu said the variance for the buffer zone was approved a few weeks ago and has been included.

Kevin Lacy asked if the open space where the drainage is will always be open space. Mrs. Vu said that is correct.

Julie Davis asked if there is any liability for the City because several of these are within the 100-year flood plain. Mrs. Vu said there is not. Mrs. Vu said what the developer is also doing right now is working on a Letter of Map Revision to modify the FEMA maps, all the development that the

developer has gone in and done on the channel the FEMA maps are still from before all of that so once the maps are revised those properties will come out of the flood plain.

Kevin Lacy moved to approve the Final Plat for Town Creek Crossing, Section One as presented. T.J. Wilkerson seconded the motion, the motion carried unanimously. (5-0)

4. Consideration and possible action regarding adoption of a Resolution approving the Montgomery County Emergency Communication District annual budget for the fiscal year beginning October 1, 2021.

Mr. Tramm said each year the Montgomery County Emergency Communication District must present its budget in a proposed form to governing bodies of participating jurisdictions. Mr. Tramm said the MCECD must receive approval from a majority of participating jurisdictions for the budget to be approved. Mr. Tramm said if any participating jurisdiction does not take action, then their approval is presumed.

Mr. Tramm said Mr. Chip VanSteenberg with the MCECD is here this evening to present and discuss the budget.

Mr. VanSteenberg, Executive Director with the Montgomery County Emergency Communication District said they are a County-wide independent unit of open government formed by the voters of Montgomery County in 1985. Mr. VanSteenberg said they are responsible for coordinating 9-1-1 service between telephone companies and the responding agencies.

Mr. VanSteenberg said four agencies operate emergency communication centers or 9-1-1 call centers here in the County. Mr. VanSteenberg said they support all four of those and provide them with the network they operate on, the equipment they use, as well as the coordination of the telephone companies to make sure that when a citizen dials 9-1-1 that call is routed to the correct emergency call center. Mr. VanSteenberg said those call centers are operated by the Montgomery County Sheriff's Office, the Conroe Police Department, Montgomery County Hospital District, and The Woodlands Fire Department. Mr. VanSteenberg said they provide services and work closely with all four of those entities.



Mr. VanSteenberg said their budget is under \$5 million and they are funded by 9-1-1 fees that are collected over different kinds of telephone service whether that is a traditional wire lines service, a voice over internet phone call, or cell phone wireless fees which makes up about 70 percent of their revenue and 85 percent of the calls.

Mr. VanSteenberg said they use that money primarily to establish connections, circuits, and connection costs as well as financially support the two emergency primary call centers in Montgomery County.

Mr. VanSteenberg said they have four categories of expenditures overall. Mr. VanSteenberg said their revenue is going to go up this year by 3.6 percent and estimated expenditures will increase over last year's budget by 3.1 percent. Mr. VanSteenberg said their largest category of expenditures is what they call their cost of service but that includes those payments to the Sheriff's Office and the Conroe Police Department for personnel, 9-1-1 calls as well as services like text messaging, which they have added recently, voice translation service for the call taker so if someone calls in that does not speak English they have access to a service that will provide them translations for dozens of languages, as well as an emergency alerting service. Mr. VanSteenberg said their second category of expenditures is personnel. Mr. VanSteenberg said those are anticipated to increase this year by 1.3 percent. Mr. VanSteenberg said the final category of expenditures is general administrative costs which are expected to have a 14.7 percent increase this year because they plan to do some long-range planning.

Mr. VanSteenberg said the district has recently purchased 11-acres on SH 105 close to Montgomery for a future 9-1-1 site. Mr. VanSteenberg said at the site they are at right now at the Sheriff's complex in Conroe they have already outgrown. Mr. VanSteenberg said they are going to work on some development-related costs this year as well as planning costs so they can plan to eventually build out that site.

Julie Davis asked with the trends that are showing for landlines on a serious decline on page 46, why is it shown on page 49 as an increase in the fiscal budget for landlines for 2022. Julie Davis said year over year you are showing a decline on one and an incline on the other and it seems backward. Mr. VanSteenberg said the budget that you are seeing now is the estimated revenues this year versus estimated revenues last year. Mr. VanSteenberg said they

underestimated landline revenue even though they are falling they took a conservative approach and estimated a very low number and now they are starting to hold steady specifically Consolidated more than AT&T.

Julie Davis moved to approve this agenda item as presented. Kevin Lacy seconded the motion, the motion carried unanimously. (5-0)

5. Consideration and possible action regarding nomination of an appointee to the Montgomery County Emergency Communication District Board of Directors.

Mr. Tramm said there are two positions on the Board of Directors that represent cities. Mr. Tramm said for the term that is preparing to expire on September 30, 2021, it is currently held by Mr. Paul Virgadamo from the City of Conroe. Mr. Tramm said Mr. Virgadamo has indicated he is willing to continue to serve in that position. Mr. Tramm said City Council can choose to nominate Mr. Virgadamo or choose to nominate another candidate. Mr. Tramm said at this time no other person is seeking this position. Mr. VanSteenberg confirmed there is no other person that has expressed interest. Mr. VanSteenberg said as everyone is probably aware Mr. Tramm holds the other position that is confirmed by the cities.

Julie Davis said she assumed their terms run alternating years so that way Mr. Tramm's position would not expire until next year. Mr. VanSteenberg said that is correct.

Kevin Lacy moved to accept the nomination of Mr. Paul Virgadamo from the City of Conroe for the Montgomery County Emergency Communication District Board of Directors. Carol Langley seconded the motion, the motion carried unanimously. (5-0)

6. Consideration and possible action regarding a renewal proposal of the contract with Waste Management of Texas, Inc. for solid waste collection in the City.

Mr. Tramm said Waste Management has provided trash collection services to the City for several years. Mr. Tramm said the current contract was signed in 2015 and was extended by an amendment in 2018 for an additional three years. Mr. Tramm said the contract is set to expire on July 31, 2021. Mr. Tramm said Waste Management recently submitted to the City a

renewal proposal for review and consideration. Mr. Tramm said current fees versus the newer proposed fees are presented on the chart with the agenda item. Mr. Tramm said there is a four percent increase for residential carts, a 45 percent decrease for those wanting a second cart. Mr. Tramm said there is a 29 percent increase, approximately \$6.00 for the first commercial cart and a drop from \$14.48 to \$8.00, a 45 percent decrease for a second commercial cart.

Mr. Tramm said staff recommends a minor increase in the City's garbage rates that would cover the cost for the renewed proposal. Mr. Tramm said a separate agenda item will address that and City Council can decide. Mr. Tramm said Ms. Terry Woodson, Public Sector Solutions Manager, Waste Management is here this evening to address any questions.

Mayor Countryman thanked Ms. Woodson saying she was great to work with and has always taken care of the City which she appreciates. Mayor Countryman said she knows sometimes there feels like there has been some buzz about them being forgotten sometimes and during COVID-19 there was trash left over from the day before but Ms. Woodson was highly responsive and Mayor Countryman thanked her for that. Mayor Countryman said she knows Ms. Woodson is also struggling with headcount and labor. Ms. Woodson said if anyone has a CDL and wants to apply she will give them her card to do so.

Kevin Lacy said it was fantastic how Waste Management responded last year. Kevin Lacy said every time there was an issue Waste Management jumped right on it and particularly Ms. Woodson which he thanked her as well.

Kevin Lacy asked Mr. Tramm when the City has contracts like this coming up, is it typical for the City to allow other companies the chance to bid on these contracts. Mr. Tramm said it varies and he knows he has spoken about going out for proposals on things and if it is something City Council wants to do they can certainly do that. Mr. Tramm said one thing he has seen with trash services is there are a limited number of providers and he has seen many times where people have changed companies and then lived to regret that. Mr. Tramm said in the community where he lived before they made that decision away from Waste Management and after six or seven months canceled that contract and went with another company because they saved money but created major headaches within the community. Mr. Tramm said with that said if City Council wants him to take that on they can advertise for another provider.

Kevin Lacy said if there were some major issues although there have not been and the feedback has been very good. Mr. Tramm said if the service level was where he thought it was two years ago he would have said something different.

Mayor Countryman said they are a growing community and they have four new neighborhoods coming and with that Waste Management has been so kind to give them those two large trash bins for their bulk trash day. Mayor Countryman asked if they could have an additional one or two. Mayor Countryman said that would be helpful because as of most recently they have been filled up even before noon. Ms. Woodson said with the City approving the three-year agreement she does not see that being a problem at all in raising that number to four.

Mayor Countryman said when they order a trash can it can take up to a week. Mayor Countryman asked if there is any way they can expedite that with all the growth and homes being developed. Ms. Woodson said they have a contractor that is working with them and doing an amazing job and they are having the same problem they are with manpower so they are working very hard to try to hire more staff so they can come in around three or four days. Ms. Woodson said they have made some progress recently with some help from Waste Management so they are going to continue helping them to strive to get that also.

Julie Davis said the current contract they are looking at is three years with a two-year extension and asked if the biggest one was a three year with a three-year extension. Ms. Woodson said the City went to bid in 2015 and in 2018 they got the extension for that. Julie Davis asked if they were extended due to COVID-19 or it was a three/three before. Ms. Woodson said it was a three/three. Julie Davis said so now they are doing three/two. Julie Davis asked if they could now possibly lock the rates in for the full five years assuming they just do an extension. Ms. Woodson said correct, they get an annual price increase that is part of keeping their margins so they can maintain their level of service for the City and they do it just with CPI and fuel. Ms. Woodson said she believes the City's fuel has a trigger and they have compressed natural gas trucks and even their nonautomated trucks are all compressed natural gas so they have a really good inexpensive fuel because it is just so efficient.

Julie Davis said in the contract it is triggered at \$4.00 a gallon which diesel is still underneath \$4.00 a gallon. Julie Davis said they are still seeing an increase on the trash. Ms. Woodson

said there is a consumer price index for trash and garbage. Julie Davis said they are seeing a huge reduction on second cans. Ms. Woodson said they have found through COVID-19 more people need them and in 2019 and 2020 she was instructed to lower the cost of the second cart to help families. Julie Davis said she does appreciate that as she has two cans but said she does not know if there are a lot of people in their town that have a second can right now. Julie Davis said she imagines there will be lots of new requests for a second can now that it is considerably cheaper.

Julie Davis said her other concern is that the City's businesses are paying a huge increase. Ms. Woodson said the reason why is the volume coming into those businesses now. Ms. Woodson said they are not just picking up a cart, they are picking up yards of debris next to the cart. Ms. Woodson said they need to be compensated for everything they are picking up. Ms. Woodson said they are going to work with some of the businesses to get them extra carts. Ms. Woodson said they received lower rates for extra carts so they can have enough carts and they are also going to try and help them to work with their neighbors and see if they have large amounts of shipments coming if maybe they pay the neighbor that maybe has an eight yarder and they do not have room for an eight yarder at their location. Ms. Woodson said maybe they work together as co-businesses and see if they can get that debris off the street instead of piling it up in front of their business.

Julie Davis asked if when talking about an eight-yarder you are talking about a dumpster, not the actual trash cans they are talking about which are 96 gallons. Ms. Woodson said correct. Ms. Woodson said the 96-gallon cart holds half a yard and when they get an 18-wheeler in there is no way that will work. Ms. Woodson said for normal weeks they are fine and normally do not need that but that is why they have worked with other cities in Montgomery's situation where some of your businesses just do not have the parking lot space to work with some of their neighboring businesses to have a line of communication and maybe they can help them out during times when they get a big load in to keep it off the streets.

Julie Davis said it is written in the contract that you are allowed two extra items every single week and four cans are the limit, not two. Julie Davis said they only have prices for two and asked if the third and fourth cart is also \$8.00 a cart and can businesses have up to four carts. Ms. Woodson said correct. Julie Davis said she just wants to be clear they are all \$8.00. Ms. Woodson said the first one is the regular price and the others are \$8.00. Ms. Woodson said

they lowered that rate to be more of an assistance to the residents and the businesses. Julie Davis asked if they are putting out more than the two designated items every single week is there a written clause for a fine for excessive use. Ms. Woodson said that is not their job. Ms. Woodson said they want to help them manage their waste with more carts but they also want them to help manage and realize when they have a large volume coming in. Ms. Woodson said she would be more than happy to come and talk with any of the business owners to go and meet with their neighbors and initiate communication with them to see if they can help each other out.

Julie Davis said she also noticed it constitutes a special collection for possible hazardous waste. Julie Davis asked if they have to call in or do they have a liaison for that. Ms. Woodson said it is called At Your Door. Ms. Woodson said they have had this program in the City for several years and it is very successful. Ms. Woodson said they have done mailers to the residents and they would recommend and work with the City staff to do another mailer to all the residents to remind them if they need to get rid of paint, motor oil, antifreeze, and shots. Ms. Woodson said she can work with your staff and with Hailey, who is fabulous to work with, as she has all the information to help the residents. Julie Davis said she thought it was a great opportunity to present so people know about it more because she is not sure she fully knew about it. Ms. Woodson said these items are called special waste and this is something they need to keep out of landfills. Ms. Woodson said this is a great resource for residents, yet not all communities have this program and she is a big advocate of it because they come to your house and pick it up. Ms. Woodson said you can put it at your front door and they will come and pick it up.

Mayor Countryman said that brings up a good point and they should put that back in the water bill. Mayor Countryman said they have had that before but she thinks it would be a great reminder.

Byron Sanford moved to accept the three-year renewal and two-year extension for the proposal with Waste Management of Texas. Kevin Lacy seconded the motion, the motion carried unanimously. (5-0)

7. Consideration and possible action regarding adoption of the following ordinance setting rates for solid waste collection service in the City:

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF MONTGOMERY, TEXAS AMENDING THE RATES TO BE CHARGED FOR SOLID WASTE COLLECTION SERVICE INSIDE THE CITY OF MONTGOMERY, TEXAS; PROVIDING FOR A PENALTY FOR FAILURE TO PAY ACCOUNTS; PROVIDING CONDITIONS UPON WHICH SERVICE WILL BE RESUMED; REPEALING ALL CONFLICTING ORDINANCES; PROVIDING A SAVINGS CLAUSE; PROVIDING A TEXAS OPEN MEETINGS ACT CLAUSE; AND PROVIDING AN EFFECTIVE DATE FOLLOWING PUBLICATION.

Mr. Tramm said with the approval of the Waste Management contract this change approved by City Council would amend the fees to follow the contract and also includes a 2.5 percent increase to cover the cost of the City's time and administering the work. Mr. Tramm said as was mentioned before to change the number of carts or if residents get new carts, City staff is in communication with Waste Management and it covers time for that. Mr. Tramm said when there are issues such as a house getting missed for pick-up there is communication between residents and the City and it covers that time. Mr. Tramm said that is what the administration fee is meant for.

Mr. Tramm said last year although they had a moderate increase from Waste Management, the City did not take action to raise that and absorbed it through the administrative fee as the pandemic year was probably not the time to consider raising the fees to the residents.

Julie Davis said she has concerns about the 2.5 percent over and above what Waste Management is charging them. Julie Davis said they have not done it in the past and have been just fine. Julie Davis said she hears Mr. Tramm say personnel but every single time because she is on the end of the run and Ms. Woodson knows that she has her phone number and she has hers and the minute her cart is missed she is on the phone with her and she does that herself. Julie Davis said she is trying to understand why are they charging the citizens 2.5 percent more. Mr. Tramm said they have charged that in the past. Julie Davis said not last year so in the past has it always been 2.5 percent. Mr. Tramm said they previously had 2.5 percent added on to cover the City's administrative costs. Mr. Tramm said last year they did not raise the rates

charged to citizens and just let that increase absorb into the 2.5 percent because as he said before the pandemic was the wrong time to talk about increasing the rates to the residents.

Kevin Lacy asked how much time did they spend last year on the phone with Waste Management and how much money does that equate to in the last 12 months. Mr. Tramm said some weeks there may be no communication and some weeks there may be a couple of hours. Mr. Tramm said any time a new resident moves in there is communication back and forth. Mr. Tramm said when the residents move out there is communication back and forth because carts are brought out to the residents and are removed from the residents who are moving out. Mr. Tramm said any time new homes are constructed for new residents there is a new cart that is delivered there. Kevin Lacy said to justify it how is it tracked in determining the amount of time invested last year even though they did not raise rates. Mr. Tramm said they do not specifically track them. Kevin Lacy asked if in investing 2.5 percent they are not sure how much time is spent on it. Mr. Tramm said he can tell him a decent amount of time but he cannot tell him exactly how much that time is.

Julie Davis asked if she read somewhere too that this was to cover damage to roadways. Mr. Tramm said that was adding on items with the administrative costs. Mr. Tramm said it is like any time trucks drive on roads, anything that is heavy does do more damage.

Kevin Lacy said this comes down to they got away with not doing this last year. Kevin Lacy said if he cannot see how much time they invested in last year or the year before, to put a monetary amount to it he would rather not do it.

Mayor Countryman asked how long they have had the 2.5 percent administrative fee and asked Carol Langley if it was here when she was here. Carol Langley said yes. Carol Langley said she knows they spent a lot of time that people do not realize they spend talking to Waste Management about different things. Carol Langley said it is well worth it to have it in there to help pay for that. Carol Langley said Ms. Woodson has always been available to answer any of those questions. Julie Davis said they are literally talking about 50 cents a month.

Carol Langley moved to adopt the ordinance for setting rates for solid waste collection service in the City. T.J. Wilkerson seconded the motion, the motion carried (3-2) as follows:

Aye – T.J. Wilkerson

Nay – Kevin Lacy



Aye – Byron Sanford                      Nay – Julie Davis  
Aye – Carol Langley

8. Consideration and possible action regarding a variance request to Section 78-96(b) of the City Code requiring all parking lots to be paved with asphalt or concrete as submitted by Cornerstone Community Church for 14740 Liberty Street.

Mr. Tramm said Cornerstone Community Church has recently purchased China Chapel at 14740 Liberty Street and plans to use the facility as their church. Mr. Tramm said the previous occupant was a non-profit organization who utilized the facility for several years as a counseling center. Mr. Tramm said the parking lot has crushed gravel and crushed concrete and was used several years for the parking lot and does not appear to have ever been a paved surface. Mr. Tramm said included for review are site photos and a survey of the property shows where the church plans to position their parking lot which is mostly where the existing parking lot is currently located.

Mr. Tramm said the property has generally mild cross-slopes, but none that would present a unique situation that other developments in the City do not have to deal with. Mr. Tramm said in conversations with the applicant, City staff feels the primary reason for the request is an economic request.

Mr. Tramm said the Planning & Zoning Commission did recommend approval of the request and their report is attached. Mr. Tramm said the City Engineer does not recommend approval of the variance and their report is attached. Mr. Tramm said the City Engineer is present should City Council have questions. Mr. Tramm said because economic hardship is not justified as a criteria for granting a variance, staff does not find a reason in the variance to approve the request and recommends denial based on the Ordinance.

Julie Davis asked if the representative from this church was here. Mr. Tramm said no they did not come.

Mrs. Vu said the Ordinance allows for a variance if what is based in the Ordinance would place any hardship on the development of the tract. Mrs. Vu said from an engineering

standpoint they do not see a hardship on this tract for a paved parking lot and the tract would be able to be developed so they do not recommend the variance. Mrs. Vu said they also did a historical area imagery from the site to obtain more information of what it has been, what it is currently, and then what is being requested in the variance application.

Julie Davis asked if they know they purchased it or are they leasing this. Mrs. Vu said she did not know. Mr. Dave McCorquodale said Mr. Arnette Easley did sell the property.

T.J. Wilkerson asked if it would be grandfathered in since it was a church some 150 years ago before it came to City Council. Mrs. Vu said the reason they are seeing it as a development/redevelopment is the survey that has been drawn in as the proposed gravel parking lot is an expansion of what is existing and that is interpreted to be a development/redevelopment of the property.

Kevin Lacy asked if right now they are asking to expand it with gravel and then repave it after three years or up to three years. Julie Davis said they only get a variance for three years and they will have to come back to renew a variance or to pave it. Mrs. Vu said that is correct.

Julie Davis said it was her opinion that they deny this because this piece of property is on the seventh-grade history project and come December they are going to send 600 to 700 students there and over and over again to go take a picture of the historical plaque. Julie Davis said she worries about what that looks like to trip over stuff. Julie Davis asked T.J. Wilkerson if he had a different view. T.J. Wilkerson said he likes a little gravel around the City. T.J. Wilkerson said he does not like everything to be paved. T.J. Wilkerson said if that were the case they would have to pave Fernland, the Feed Store, Ransom's, and a lot of other places. T.J. Wilkerson said there is nothing wrong with a few rocks. T.J. Wilkerson said kids would be taking pictures, they are going to pick up a rock, maybe they would throw it and that is just part of being a kid and is part of it. T.J. Wilkerson said he would like to see it remain gravel for a while.

Mayor Countryman said she agrees with T.J. Wilkerson because with concrete and the additional water, Town Creek is already an issue with the water, and if they could find a

porous surface like other places have that would absorb the water versus it going down Town Creek.

Mrs. Vu said something that City Council has approved in the past is the true grid system which is an engineering grid system that is filled with gravel but it allows for more structure and allows for a path for drainage. Mrs. Vu said that is something that City Council has approved in the past and she understands it would be a separate request.

Julie Davis asked if that is what Hodge Podge has. Mayor Countryman said yes. Julie Davis said that is awful. Julie Davis says it holds more water than you can imagine and you cannot get out of your car without stepping in a mud hole. Mayor Countryman said it may be the way they put it in or the way they grated it.

T.J. Wilkerson said if you look at the historical value of this, the town was founded by the creek and then there was a school there close to where the church is. T.J. Wilkerson said all of this is historical but for some reason, this is not in the Historical District and he still cannot understand that.

Kevin Lacy said he is fine with the gravel. Kevin Lacy said T.J. Wilkerson made a great point in that as soon as you tell someone they are going to change some gravel after 170 years they will go back and tell everyone else.

T.J. Wilkerson said there is a lot of historical value in that piece of property.

Julie Davis asked if the standard variance is three years or do they have the leisure to make it a year or two years. Mrs. Vu said three years is what they requested.

Mr. Tramm said he thinks they can request it for a shorter period. Mr. Tramm said if City Council wanted he would recommend considering something shorter like one year and then evaluate it.

T.J. Wilkerson said he believes the building that is at Fernland is all tied together and Fernland is not paved.

Julie Davis moved to accept the variance request for one year instead of three years and City Council revisit it in one year. Byron Sanford seconded the motion, the motion carried unanimously. (5-0)

#### DEPARTMENTAL REPORTS:

9. City Administrator's Reports for June 2021 – Mr. Tramm presented his report to City Council. Mr. Tramm said he has been working with City staff and the City Attorney on changes to the vendor ordinance regarding definitions. Mr. Tramm said they are also looking at door-to-door vendors working with the Police Department, and whether or not to look at background checks. Mr. Tramm said they are not talking about nonprofit groups like Girl Scouts selling cookies. Mr. Tramm said they are talking about professionals who are selling things door-to-door. Mr. Tramm said they are looking at many other city ordinances where cities have tackled these issues. Mr. Tramm said he knows the Director of the Development Planning was looking at a presentation today related to what has been done in Tomball. Mr. Tramm said they are trying to cast a wide net before they bring anything back. Mr. Tramm said he would like to ask City Council to contact him independently as they cannot discuss things outside of the meeting and to let him know what elements they would feel are most important for them to address in the revised ordinance before bringing this back to City Council.

Kevin Lacy asked Mr. Tramm what his thoughts were on a public hearing to discuss ordinances for food trucks. Kevin Lacy said one thing he thinks they will agree on is they have a lot of passion around this topic and why not have all of us as a City work together going forward and possibly erase the entire ordinance as it is and start over. Kevin Lacy said instead of doing it individually he would prefer to have a meeting like this where everyone can talk and deal with the ordinance that way. Mr. Tramm said he is not sure a public hearing is the proper venue and he would defer to the City Attorney on that. Mr. Tramm said he and the City staff are certainly committed to working out a process. Mr. Tramm said he envisions this as a give and take process where the staff makes recommendations to City Council and they receive public input along the way. Mr. Tramm said public input is not necessarily limited to people speaking at City Council meetings. Mr. Tramm said the public can ask to speak to City staff and make an appointment and give them a little more time. Mr. Tramm said when he mentioned he did not know if a public hearing was the proper thing he did not want Kevin

Lacy to think he was saying no to an old process. Mr. Tramm said it could be called something different. Kevin Lacy said the reason he asked about it was that he told him that if he spoke to him then he would have to speak to other councilmembers. Kevin Lacy said why not have a meeting out in the open and do it that way. Kevin Lacy said it seems like several of them want to talk to him and be involved. Mr. Tramm said they need to make sure they are doing it the right way. Mr. Tramm said when they bring something back it will come back to City Council during a meeting and that is the appropriate time for City Council to consider if they want to do it in a meeting or do they want to do it a different way and that is for City Council to determine and that is the way to do it. Kevin Lacy asked Mr. Alan Petrov, City Attorney if they can. Mr. Petrov said they can certainly have workshops and public meetings to discuss any variety of topics including this one. Mr. Tramm said, for instance, Wednesday last week there was a Special Meeting on one item. Mr. Tramm said he does not think a public hearing is the right thing to call it and he thinks there is a right way to do it.

Julie Davis asked if they do a workshop would that not fall under open meetings once they have a quorum. Mr. Petrov said yes. Julie Davis said she does want a public workshop however they need to word it. Mr. Tramm said they can certainly do that. Mr. Tramm said let them finish the investigation they are working on first to have the workshop and have a finished draft to present. Mr. Petrov said it is generally helpful to have a draft on the table that the public can see and comment on as opposed to just people commenting abstractly.

Julie Davis said last week she received food truck ordinances from Llano & Bastrop and forwarded those to the Mayor to be able to weigh in on for additional information.

Mr. Tramm said Mr. Dave McCorquodale is the Director of Planning and Development and he is the one centralizing that and working with the attorneys. Mr. Tramm said he has lost count of the other cities he is using to compare and try to pick from. Mayor Countryman said the great thing with Mr. Petrov's firm is the fact that you have written quite a few of these ordinances and that is where they obtained the foundation for the last one. Mr. Petrov said they looked at several cities as well.

Julie Davis asked what they need to do today so they can lock in a workshop.

Mr. Tramm said he thinks what they are hearing is they have the direction from City Council generally so let them finish the draft and then they will work on scheduling that. Kevin Lacy asked why they cannot all come together and do it now. Mr. Tramm said if you pick a date now and they do not have the draft ready you are not ready to have a workshop. Mr. Tramm said let them finish the draft and then discuss setting a date with City Council and post it to the public. Byron Sanford said from that point he would like to suggest they take their time and advertise in terms of getting input so everyone can make sure to attend those meetings. Kevin Lacy said instead of an agenda item like here at this meeting where it is just councilmembers discussing items, the public can speak.

Mr. Petrov said it can be a one-topic City Council meeting where you are not having to worry about also getting to other business and you can spend the time just on that topic.

Kevin Lacy said they will bring a draft back to City Council with the expectation they will look at it on the agenda and discuss it openly. Mr. Tramm said they would like to get the input from City Council and then they can improve the draft and then they discuss public input. Kevin Lacy said you want ideas from City Council over the next few days and City Council needs ideas from you and that is what will be used to put together for the draft.

Julie Davis said the reality is you are going to put together a draft and represent it as a motion to approve and they are still going to have to come back. Mayor Countryman said not in the workshop. Julie Davis said she wants to make sure she is heard that they want a workshop. Mayor Countryman said she thinks they are all on board for that. Julie Davis said there is no formal motion and no votes so that is not a specific directive. Mayor Countryman said Councilmember Davis can accept the departmental reports and include that information in there.

Julie Davis said it is also worth mentioning that she did not see in Mr. Tramm's report that you did permit Texas Twist & Shakes but they are just not open yet. Julie Davis said she wanted everyone to know they are permitted and so is Wilderlove Coffee and they have a six-month permit so they are working on a six-month window. Julie Davis said what ends up happening is they get grandfathered in of the six months to operate without the ordinance and when they come for a renewal of their permit they will then be subject to whatever the

ordinances are that they agree on together and pass. Julie Davis said just so everyone is clear they are on a six-month to operate. Mayor Countryman said that is standard. Mrs. Clevenger asked what happens after the six months. Julie Davis said after six months you have to renew your permit. Mrs. Clevenger said but by that time you have changed the ordinance. Julie Davis said that is why you have to email them within the next few days to what you would like to see included.

Mr. Clevenger said that is why he is a bit concerned over the draft because he thinks City Council should be more involved with the draft. Mayor Countryman said they are going to hear everyone's comments, City staff will also provide comments and come up with just a foundation and if someone does not see what they think should be included, they can certainly bring it up in the workshop.

Mr. Clevenger said he applauds the whole thing regarding the workshop and thinks it is truly a community topic but Julie Davis mentioned how she submitted two cities and we have a list of cities and those cities were not included.

Mr. Tramm said Mr. Clevenger is more than welcome to also come and talk to them about that. Mr. Tramm said we are talking about a list of cities that he wrote and he also said he wrote a list of four cities and others. Mr. Tramm said as he said earlier to City Council he lost count of the number of cities that Mr. McCorquodale was looking at. Julie Davis said ordinances are public information so they can pull 900 different ordinances for food trucks but at the end of the day they still have to filter out what is best for the City of Montgomery. Mayor Countryman said it would be good to go through and pull the ones you like.

Mr. Tramm said let staff go through all the information, put it into a format, get City Council's review making whatever changes there, go through the public review, and then go through the whole process. Kevin Lacy said going through the public review is the workshop. Kevin Lacy said the review is not going to be them, staff will put it together, and then City Council will go through it in the workshop. Kevin Lacy said everyone is going to meet to discuss what that may look like at the workshop. Mr. Tramm said the workshop would be presumably in this room but it is designed just to be a discussion on the proposed ordinance and go through it section by section, take comments and go through it all until people are as happy as possible

on every side. Mayor Countryman said you have to understand not everyone is going to be happy as that is just life, but at the same time, she thinks they can make a lot of people happy because no one is trying to prevent business within this City.

Mr. Tramm said following the Special meeting they did get the Tax Exemption Ordinance for the homestead exemption.

Mr. Tramm said with the Texas Department of Emergency Management funds related to the American Rescue Plan, they have opened the process of applying for those funds which are funds approved by the federal government for various areas of government. Mr. Tramm said for them it is for what has been approved for cities. Mr. Tramm said for the City of Montgomery that is approximately \$336,000 in two payments across 2021-2022 the time to be used within certain categories, primarily infrastructure improvements in water and wastewater. Mr. Tramm said they do not have that money now but they will have it soon. Mr. Tramm has instructed the bookkeeper to segregate that within a separate account because they have to track it and he envisions when they have their budget hearings they will discuss how the funding specifically needs to be handled. Mr. Tramm said he is expecting more direction from the State.

Kevin Lacy asked if the homestead exemption for 20 percent is something residents within the City limits have to apply for and is it separate or is it automatically taken care of. Mr. Tramm said if you own a home that is in the City and is homesteaded which the resident has to apply to have a homestead and you own the house and it is your residence then you get the homestead exemption as it gets picked up.

Julie Davis said the City tax rate for every homeowner is 2.4 percent so \$2.40 of every \$100.00 valuation you pay in property taxes. Julie Davis said \$2.00 of that goes to the County and 40 cents goes to the City as the ad valorem tax. Julie Davis said what they did is take a 20 percent or an eight-cent per \$100.00 valuation discount on your property taxes. Julie Davis said it does not mean if you have \$260.00 or more you get the rate dropped, no matter what value is on your property, you get an eight-cent per \$100.00 valuation discount based upon that 20 percent. Julie Davis said for those that did not understand, she hopes that clarified some. Julie Davis said it is pennies but it matters.



Mr. Tramm said four of the Councilmen will be attending the new Elected Officials Training that will be coming up. Mr. Tramm said if you have questions about what you should or should not talk about related to the Open Meetings Act while you are there he recommends touching base with the City Attorney before leaving this evening.

Mr. Tramm said later this week he is sending emails out to the Mayor and City Council related to scheduling a retreat and planning session for City Council. Mr. Tramm said he is looking forward to getting that scheduled and getting information out to coordinate that.

Mr. Tramm said with regards to the Development Report they are seeing residential and commercial construction across multiple parts of the City. Mr. Tramm said the preconstruction meeting was held today with TxDOT on the FM 149 right turn lane coming from the south headed toward the east, something that has been over two and a half years in the making. Mr. Tramm said construction should begin mid to late September.

Julie Davis asked if TxDOT for the SH 105 access was listed on the report. Julie Davis said she just realized this entire construction piece goes from FM 2854 to IH 45 so all of their comprehensive planning shows this beautiful green space in the middle of SH 105 right through Brookshire Brothers and Hodge Podge Lodge with Texas flags everywhere. Julie Davis asked if that will be the City's bill to foot as far as the City, or are we working with them to extend that green space through the City. Julie Davis asked what does that look like money-wise because she did not realize this as she thought it was coming all the way through to FM 149 and it is not. Mayor Countryman said the engineers they have will complement the plan as they have a good relationship with TxDOT and they are getting their approvals and are working on it. Mr. Tramm said it is a matter of communication. Mr. Tramm said the starting point is from FM 2854 east to IH 45, and what we discussed here was only about the part of Montgomery.

10. Public Works Report for June 2021 – Mr. Tramm said he will be presenting the report as Mr. Mike Muckleroy is absent this evening. Mr. Tramm said the volleyball net was replaced at Cedar Brake Park and, a roof leak on Crane Cabin at Fernland Park was repaired which is the same one they did log repairs to on the north side a year ago. Mr. Tramm said Fernland docents reported 680 visitors and provided 81 tours for the month.

Mr. Tramm said they completed the quarterly Heavy Trash event and helped set up for the Movies at the Community Center.

11. Police Report for June 2021 – Chief Solomon presented his report to City Council. Chief Solomon said he spent a week last month with the Texas Police Chiefs Association. Chief Solomon said one of the things they discussed more than anything else was distracted driving and road rage shootings. Chief Solomon said every 18 minutes in the United States there is a road rage incident. Chief Solomon said road rage came to Montgomery last Thursday where there was a shooting at SH 105 and FM 149. Chief Solomon said they have sent officers to distracted drivers training which will teach them how to look for those types of things because it is getting out of hand. Chief Solomon said the officers have also attended child safety passenger training where they discuss family training regarding putting children in seat belts and child safety seats properly. Chief Solomon said they are doing some different things with training to try and combat distracted driving. Chief Solomon said if anyone sees it that they would love a phone call because the road rage incident that happened last week started way back in Magnolia and did not come to a head until it reached Montgomery. Mayor Countryman asked if they are to call 9-1-1 or is that the non-emergency number. Chief Solomon said it is 9-1-1.

Chief Solomon said the Community Emergency Response Team training is still ongoing and they have another five weeks to go. Chief Solomon said it is going to be a very good team to handle all emergencies and especially since we are in hurricane season now so it is going to be a big deal.

Julie Davis said she knows DWI's are still high for two months in a row and asked if it is because they are specifically looking for them because there have been 19 incidents in two months in a 4.5 square mile town. Chief Solomon said they are always looking for DWI's. Chief Solomon said when you have a major highway like SH 105 where people are leaving bars and drive onto SH 105 and they are intoxicated. Chief Solomon said they have two officers who are very good DWI specialists. Julie Davis asked if they are not just ticketing and releasing, but also arresting and sending them to jail. Chief Solomon said correct.

Kevin Lacy asked if when they arrest someone and have to take them to jail in Conroe, is there any way they can continue to look for different facilities here or maybe be able to upgrade the department size. Chief Solomon said even if it comes to that as a City they do not want to become a holding cell for class C misdemeanors and anything above that has to go to the County anyway. Chief Solomon said it is always good to have a holding facility while the person is being booked in because that way you have your eyes on the person and it is also secure. Kevin Lacy asked what do they do with the person now. Chief Solomon said they stay with them. Chief Solomon said if there is an officer with an arrest he stays behind to prepare the report and another officer heads to the County jail. Kevin Lacy asked if they are looking for a way to have a detaining center here to help. Chief Solomon said they would like to.

12. Court Report for June 2021 – Mrs. Kimberly Duckett, Court Administrator said for the Court Report for June they had 123 citations, and the revenue for June was \$35,692.30.

Mrs. Duckett said they are starting different techniques for their warrants. Mrs. Duckett said officer Lozano and officer Edelman were able to catch the person right at home and they had warrants in our City and two other counties as well.

13. Utility Report for June 2021 – Mr. Tramm said during last month 46 new permits were issued with a total of 888 total active utility accounts which includes both residential and commercial. Mr. Tramm said that is a number that continues to increase and with the development of the City will continue to do so in the foreseeable future.

Mr. Tramm said due to more rain through the month water use was even or down on almost all of the City water accounts.

Mayor Countryman said she thought it was interesting regarding how many flags were sold. Mr. Tramm said that is always up and down. Mr. Tramm said he had one call from a person who was interested in purchasing several flags. Mr. Tramm said the flags are normally \$5.00 each but if you buy two they are \$9.00. Mr. Tramm said the demand is there.

Kevin Lacy asked if he was still actively working on the sign permits for \$50.00 in looking at the ordinances and updating them. Mr. Tramm said that is something Mr. McCorquodale, the Assistant City Administrator is working on.

Kevin Lacy said he is concerned about MEDC's \$250.00 goat mascot suit. Mr. Tramm said it was a \$250.00 donation to go toward the purchase. Mr. Tramm those are all incoming items. Mr. Tramm said the \$1,400.00 is paid toward the City so they can purchase one of those concrete goats. Kevin Lacy asked if that is what the goat costs. Mr. Tramm said no, it is for five or six of them.

14. Water Report for June 2021 – Mr. Mike Williams, Vice President of H2O Innovation, said there were several alerts for June. Mr. Williams said the majority of them are power-related which they have been in touch with the Entergy representative and gave them a three-month list of all of their call-outs so they are working through those to do some more investigation on the reason behind all the power issues.

Mr. Williams said on June 9, 2021, Life Station 3 high run time had a bunch of debris run through it. Mr. Williams said the pump was pulled and cleaned numerous times. Carol Langley asked where the Lift Station is located. Mr. Williams said it is right across FM 149 from the bus barn.

Mr. Williams said on June 15, 2021, at Lift Station 2 during a storm there was a tree branch that fell on the incoming power line. Mr. Williams said the power line was replaced and the power restored.

Mr. Williams said flow for the month of May-June was 7,622,000 gallons, daily peak flow on May 25, 2021, was 534,000 gallons, and the average daily flow was 245,900 gallons with 61% of permitted capacity.

Mr. Williams said for the discharge limitations and effluent monitor report all samples were in compliance for June. Mr. Williams said they recorded 10.75 inches of rain.

Mr. Williams said they pumped a total of 9,476,000 gallons of water, flushed 178,000 gallons, and sold 8,966,000 gallons with a 96 percent accountability.

Mr. Williams said the City is healthy on its permit but this time last year the City was 10,000,000 gallons ahead of last year. Mayor Countryman asked why are we 10,000,000 gallons ahead. Mr. Williams said because of growth. Mr. Tramm said growth and variation in weather to some degree. Mr. Tramm said they are probably into their fifth straight year average and you will see a significant increase when there is a drought.

Mayor Countryman said she does not know if she has seen the permitted amount at 61 percent that high. Julie Davis said it is usually at 60 percent. Mr. Williams said a couple of years ago they had the permit increase, but just with the growth he went and looked at what it was last year and they still looked to be healthy by the time the new year rolls around. Julie Davis asked if the only real solution was to finish the loop. Mr. Williams said they just have to increase the permits eventually. Mayor Countryman asked at what number do they need to get to do that. Mr. Williams said he would have to refer to Mrs. Katherine Vu on that. Mayor Countryman asked if there was or law or legal reasons. Mrs. Vu said not necessarily. Mrs. Vu said the way it works is it is based on growth productions and they keep a log of the City's growth productions based up to 2027 and they are just projections, but it is a way for them to monitor how much growth they anticipate coming into the City so they can get ahead of any permit over requests to understand why the remaining percentage is so high. Mrs. Vu said recently with Lone Star rule changes the City was able to go back to their pre-GRP permitted amount which gave them a significantly larger permit.

Kevin Lacy asked if the beacon system could be explained. Mr. Williams said it is the smart meter system. Mr. Williams said they base the count off of the number of smart meters you have in the system. Mr. Williams said every residence and business has a smart meter.

Mayor Countryman said maybe another reminder in the water bill too is Eye on Water. Mayor Countryman said there are a lot of new residents and a lot of people who do not know we offer that and it is a good service.

Julie Davis asked Mrs. Vu if she knows the Lone Star Groundwater is based upon the lawsuit they just lost and is that why it was increased. Mrs. Vu said she does not know necessarily why but knows the timing was similar to the lawsuit and could not say if it was tied to it but does know that some of the rules regarding groundwater reduction changed if they were allowed to go back to their 2015 permitted amount if they wanted and so they went ahead and elected to take it before the rules change again. Julie Davis asked if they could lock that in. Mrs. Vu said they are permitted for it now so whenever permit renewal rolls around we will see what Lone Star has to offer and they will take what they can get for the City.

15. Financial Report for June 2021 – Mr. Anthony Lasky, Senior Accounting Clerk presented his report to City Council. Mr. Lasky said there is a total of seven months reserve in the general

fund, over two years reserve in the MEDC fund, and a little under a year reserve in the utility fund.

Mr. Lasky said there is a total of \$209,000 collected for sales tax for June and the rest is for MEDC. Mr. Lasky said he did find July's number is a little under \$289,000 collected. Mr. Lasky said for June the revenues were 32 percent over and exceeded the budget for the revenue by 4 percent. Mr. Lasky said expenditures were 3 percent under for the month and so far 83 percent spent total.

Mr. Lasky said the City has successful refunding that took place in June as well too which paid off the two 2012 series bonds. Mr. Lasky said on the last page of the report it shows 2021 refunding that replaced those and lowered the payments. Mr. Lasky said the next one will be due on September 1, 2021.

Julie Davis said she noticed how the goats were put under the utility and general fund. Julie Davis asked if there is a way to reallocate that under hotel tax because the hotel tax can be spent on marketing for the City and said that is what she feels like it is. Julie Davis said they are sitting on \$16,000 there so why pull it from the general fund when they have something they are not pulling from at all and have not for a long time. Julie Davis said she is referring to page 158 line-item 16590.h. Julie Davis said it is \$339 for the goat expenses. Mr. Tramm said he thinks it might be chargeable to something under that fund. Mr. Tramm said there are a lot of limits to that and he would rather verify that but it certainly is something they could consider doing.

Julie Davis asked if the line items at 56000.b on page 176 for City Capital Projects and 56000.c Future Downtown Development for a total of \$360,000 is included in the Capital Projects bank account listed on page 145, which has a total set aside for Capital Projects at \$1.45 million. Julie Davis asked if that \$360,000 was included in the \$1.45 million. Mr. Tramm said on page 176 that is MEDC and those funds do not normally cross through to the City. Mr. Tramm asked if she was referring to the portion they pledged to cover the City Capital Projects. Julie Davis said she is trying to clarify if they are adding the \$1.45 million for Capital Projects to the \$360,000 set aside there and is it a combined Capital Project of \$1.8 million or is it two separate items that are both called Capital Improvements. Mr. McCorquodale said the amount that is in the Capital Projects for MEDC gets added to the City Capital Projects. Mr. McCorquodale said on the Capital Projects page the City budget reflects what is in there right now to be spent so

when MEDC transferred the \$160,000 a month ago for the Waterline Project that went into the City Capital Project fund. Julie Davis said she is just clarifying because they mentioned last Wednesday about the 20 percent concern for infrastructure, so she was looking at what they already have set aside for infrastructure on Capital Projects, which is \$1.8 million that we are sitting on right now for infrastructure. Julie Davis said she is trying to confirm that we are still solidly sitting strong for infrastructure even with the 20 percent. Mr. Tramm said the Capital Projects fund does have a lot of that money and a lot of that money is already pledged to work that is still contracted and pending so it is not all available but we are on track with it.

Julie Davis said on page 162 line item 43947.a transfer from utility of \$243,286, we are way over budget there with a huge surplus and asked if something happened. Mr. Lasky said that is how much has been transferred so far to this year. Mr. Lasky said there is still around \$300,000 left that is still budgeted for that year and it probably just needs to be spread out a little bit just because there is some that may come in one month and may not come in other months.

Julie Davis said on page 166 all the bonds there are almost \$5.1 million. Julie Davis asked if that is because of the refinancing of that bond and is that the amount of money they are saving. Mr. Lasky said that is just how much the bond issue was. Mr. Tramm said that \$700,000 is over the life of the bond. Mr. Lasky said that is just an offset for the most part on that page.

Julie Davis asked on page 172 regarding the grants checking account what falls under a grant because this one has been sitting for a long time with no movement. Julie Davis said she knows it is \$5,000 but asked who can apply for a grant and is this part of the home grant. Julie Davis said she thought the home grant had a separate bank account and this is a checking account balance all by itself. Mr. Tramm said his initial thought is it is just a placeholder waiting for more activity for the next grant but he will take a look at that tomorrow and get back with an answer on that. Julie Davis asked if that would be where the sidewalks Mr. McCorquodale is working on fall under with those projects or no. Mr. Tramm said that is not part of this fiscal year but will be a future fiscal item and more than likely they will create a special line item for that when they do have the next budget.

Julie Davis said on page 182 on ordinary income expenses there is a total of \$24,000 in charges for service over the already \$285,000 with three months remaining for this year that adds on for the \$225,000 and \$310,000. Julie Davis asked how do you rationalize this amount of surplus over and over again. Mr. Tramm said that is a surplus in the utility fund and the surplus is then

turned around to the Capital Projects fund where it pays for the projects such as waterline construction, water tank replacement, and future water wells.

Julie Davis asked what we owe MISD on that we paid \$67,000. Mr. Tramm asked if she was talking about the loan payment where the City borrowed money from MEDC for the purchase of the land. Julie Davis said it is \$63,352.03 and that is the land purchase. Mr. Lasky said yes. Mr. Tramm said that is where the City borrowed the money from the MEDC and in that particular case the City was paying less interest.

16. City Engineer's Report for June 2021 – Mrs. Katherine Vu, City Engineer said on the downtown waterline replacement the contractor was working the bore on FM 149 today and once that is complete they will be able to run testing and put the line back in service. Mrs. Vu said this is the last major component for the actual waterline itself.

Mrs. Vu said Water Plant No. 3 Improvement update is they have received the notice from the Water Development Board to proceed moving forward and that has been relayed to Jones|Carter as well.

Mrs. Vu said the FM 1097 Speed Study and the Traffic Signal Warrant Analysis were both performed by Jones|Carter and they are complete. Mrs. Vu said they are reviewing the results of this study and will have more information for the August 10, 2021, City Council meeting.

Mrs. Vu said regarding the general ongoing activities, they are working on the Texas Pollutant Discharge Elimination System (TPDES) permit renewal. Mrs. Vu said the current renewal will expire June 1, 2022, and this is something they start on a year in advance.

Mrs. Vu said regarding the northbound right turn lane, she attended the pre-construction meeting at TxDOT's Conroe office this morning. Mrs. Vu said the project is scheduled to begin construction on August 2, 2021, and they are expected to have 53 working days which was included in the pre-construction meeting.

Mrs. Vu said another thing that she and Mr. Muckleroy discussed outside of the meeting with TxDOT was as part of the project they asked for a signal timing at that intersection to see if there is anything that can be done. Mrs. Vu said as part of the project they will be constructing a new signal box that should give more capacity to the traffic signals and allow for longer runs and they are going to take another look at it.



Mayor Countryman said she thought there was a discussion of a new light that you could program from City Hall and asked whatever happened to that. Mrs. Vu said she is not sure, but she will follow up and let them know. Julie Davis said they are going to be conducting a traffic study for the signal cameras during back-to-school traffic.

Byron Sanford said in his neighborhood the Hills of Town Creek they still have not found a way to make the water run uphill. Byron Sanford said behind his residence will be the fourth section with massive loads of concrete taken that is pulled back out to try and get the water to where it is supposed to be plus on the other side of where there are loads of concrete taken out. Byron Sanford asked if this is a survey problem, a developer problem, or common sense because it is costly to someone and he would like to know who. Mrs. Vu said those changes are being funded by the developer. Mrs. Vu said they were issues that came up during the warranty period which was one year from when construction was complete and those issues were identified during the maintenance period. Mrs. Vu said they made the developer aware and the developer is funding the repairs for that. Mayor Countryman asked if that was Mr. Chris Cheatham or Stylecraft. Mrs. Vu said Stylecraft. Byron Sanford said on his street with the original three sections right across from there it is terrible pooling so this is still part of Phase I, II, and III, and asked if this will all be taken care of. Mrs. Vu said that is her understanding and if it was identified within the maintenance period then it is going to be taken care of. Mrs. Vu said the contractor is aware they are keeping very close contact. Byron Sanford asked if they have seen anything like this before because this is pretty astounding. Mrs. Vu said it has happened in smaller places in other areas of the City because it came up either during or after the maintenance period and this is not the only place this has happened and this is a more significant area.

Kevin Lacy asked about the GLO Projects and what is going on with the sewer situation on Dr. Martin Luther King Jr. Drive. Mrs. Vu said the project is to analyze the sanitary sewer system that involves putting a camera into the sewer lines itself. Mrs. Vu said it lets them know exactly what the condition of the sewer pipes are and also includes rehabilitation anywhere from repairs to replacing pipelining, which will line the entirety of the pipe and adhere to it, and what that will end up doing is save the City repair costs and improve the sewer pipe flow. Kevin asked if there is an issue now and that is why they are doing this. Mrs. Vu said the GLO is based on a couple of things such as need and income level, so because of the age of this area, they are

not aware of when the last time each pipe was inspected was so they want to take a look. Mrs. Vu said it is just a good cursory maintenance project.

T.J. Wilkerson asked if they are still working on the apartments on Plez Morgan. Mrs. Vu said she believes they are. T.J. Wilkerson said if they are planning on building more in that area. Mrs. Vu said she does not know. Mrs. Vu said they have talked to a couple of developers on Plez Morgan and they have not heard of any plans of what they are wanting to do out there. Mrs. Vu said maybe a storage facility or potentially some other townhome style, but there is nothing firm or set in stone.

Julie Davis asked if they are considering any kind of camera sewage optics for the Stewart property which keeps coming up as an issue. Mrs. Vu said they are and they are getting together with City staff to have a plan for annual televising of different areas of the City starting with the higher priority and things that are older and more well-established areas with issues. Mrs. Vu said they are working with City staff to get a plan together. T.J. Wilkerson asked if that is because it is one of the lowest points behind there. Mrs. Vu said it is not necessarily due to elevation, but it is the age of the line.

Mrs. Vu said the last item is the City Engineer transition. Mrs. Vu said they received a hard drive containing documents from Jones|Carter on July 8, 2021. Mrs. Vu said they are reviewing those and working with City staff to see if anything is missing and to request that from them as well. Mrs. Vu said it is going well on both sides. Mr. Tramm said it is his understanding that they have been pretty forthcoming in providing necessary items for the most part and asked if that is still true. Mrs. Vu said that is correct. Mrs. Vu said it has been a very smooth transition and they have not run into any hiccups to date.

Kevin Lacy asked how many contracts Jones|Carter are still working on. Mrs. Vu said they are going to finish working on finishing the Downtown Waterline Replacement Water Plant No. 3 Improvements. Mrs. Vu said they were preselected for the Water Development Board so they will stay on the project until completion. Mrs. Vu said they are also working on the GLO Projects for the same reasons being Jones|Carter was preselected.

Kevin Lacy asked if going forward they are still going to use Jones|Carter for other things as well. Mr. Tramm said if it is a specific necessity. Mr. Tramm said with the speed and traffic signal study as well. Mr. Tramm said some projects Jones|Carter are working on will be a

couple of years and they will be seeing Jones|Carter around for a while even if nothing else was added.

Julie Davis said she did read somewhere on TML's website they do GIS services for free and asked if we have looked into this. Mrs. Vu said she has not personally looked into it but it is certainly something they can look into.

Mrs. Vu introduced Ms. Sam Randolph who is a new addition to their team who was previously with Jones|Carter and is helping out with the City of Montgomery.

Mayor Countryman said she wanted to add the good news about Texas Twist & Shakes. Mayor Countryman asked when did that get submitted and how long did that take to get approved. Mr. Tramm said the application was received on Wednesday following the last City Council meeting and approved on Friday. Mr. Tramm said he understands it was picked up later that day.

Kevin Lacy asked how the approval process happened and if they can open and work for the next six months and everything will be good to go. Mr. Tramm said they need to maintain their health certification with the County and that is out of our control and they need to operate properly.

Julie Davis said it would explain to her that the special use permit was overlooked based upon the fact that we had several other instances where we never implied that before and so to insist on it now would be arbitrary so it was overlooked and the permit was granted on Friday because of the previous existence. Mr. Tramm said it was approved because that is the way they have processed others and it was not the time to start doing something different. Mr. Tramm said they will make sure as they modify the ordinance that it is understood by all.

Carol Langley said the permit was approved for six months for both trailers in the Historic District. Mr. Tramm said applicants can apply for either a 30-day or six-month permit and believes both trailers applied for six-month permits in the Historic District.

Julie Davis moved to accept the Departmental Reports as presented, with one modification that they insist on a workshop to be included for the Food Truck Ordinance. Kevin Lacy seconded the motion, the motion carried unanimously. (5-0)

**EXECUTIVE SESSION:**

The City Council reserves the right to discuss any of the items listed specifically under this heading or for any items listed above in executive closed session as permitted by law including if they meet the qualifications in Sections 551.071(consultation with attorney), 551.072 (deliberation regarding real property),551.073 (deliberation regarding gifts), 551.074 (personnel matters), 551.076 (deliberation regarding security devices), and 551.087 (deliberation regarding economic development negotiations) of Chapter 551 of the Government Code of the State of Texas.

There were no Executive Session items.

**POSSIBLE ACTION FROM EXECUTIVE SESSION:**

No action was taken.

**COUNCIL INQUIRY:**

Pursuant to Texas Government Code Sect. 551.042 the Mayor and Council Members may inquire about a subject not specifically listed on this Agenda. Responses are limited to the recitation of existing policy or a statement of specific factual information given in response to the inquiry. Any deliberation or decision shall be limited to a proposal to place on the agenda of a future meeting.

Julie Davis said she is hearing rumors they do not have an ordinance for the STR's or private rentals within the City and she knows this is going to be another issue coming to a head. Julie Davis asked what are they doing to be proactive or have some type of short-term rental for Airbnb. Mr. Tramm asked what kind of ordinance are you referring to. Kevin Lacy said hotel tax. Mr. Tramm said they are subject to hotel tax. Mr. Tramm said the owner is obligated under the ordinance to collect those remittances. Mr. Tramm said he spoke earlier this week to a consultant and they will be sending him quotes to review. Mr. Tramm said he is hopeful to receive that soon and refer to Mr. Petrov with any questions he may have and they would work on a commission basis.

Mayor Countryman said at this time she believes the Caroline House is the only rental they are receiving any money from. Mr. Lasky said that is correct. Mayor Countryman said she knows of a few others in town so they need to find out about those.

Mr. Petrov said if you are seeing issues, a lot of cities have been developing permitting regulations for the short-term rentals. Mr. Petrov said it is a controversial issue right now because it pits the property rights groups against the neighbors, but some cities have permitting process requirements for life safety, inspections, and some things like that.

Mayor Countryman said Hodge Podge Lodge has three rooms and does not know if they have received any money from that. Mayor Countryman said she talked with Jeff about it and he gave them the name but it has never shown up on the list. Mayor Countryman said that is something they need to find out. Mayor Countryman said he says he is paying it but we need to find out from the Texas Comptroller's office.

Julie Davis said a perspective person is looking to do a tiny home community they can then rent out. Julie Davis asked if they would be subject to lots with variances that we have with developers and where do we stand on something like that. Mr. Tramm said they should contact the City and talk to us about development. Mr. Tramm said a lot of people do not even know exactly where the City's boundaries begin and end. Mr. Tramm said they have talked with people who thought their land was in the City and it turned out it was not. Mr. Tramm said the City has zoning to consider. Mr. Tramm said Mr. Larry Jacobs approached the City with his project and a special use permit was appropriate for that because of the zoning and if they were wanting to use it and it was a hotel or short-term rental property that is different than it being a permanent residential property. Mr. Tramm said for something like that he would encourage them to come and speak with the City, and if there are variances or exceptions or anything that is needed, a different location or just even if they are looking for an area, we can tell them what areas would or would not be easier or difficult to work out. Byron Sanford asked if this lot in question is the lot behind Jim's. Byron Sanford said he was told the lot was possibly for tiny homes. Mayor Countryman said he has a special use permit and they are going to be rented out and will be like little villas. Julie Davis asked if that was Mr. Larry Jacobs's property they were talking about. Mayor Countryman said yes.

Kevin Lacy said he was personally concerned about being a homeowner right behind the property of Mr. Larry Jacobs with the special use permit because what is going to happen when he clears that land out and it is rained out and the project comes to a halt. Kevin Lacy said when there is a hard rain it is his garage that is flooded. Kevin Lacy said it was fixed but after it was cleared out it is back to flooding the garage again. Kevin Lacy said he wants to know where the responsibilities lie. Kevin Lacy said he

spoke to Mr. Larry Jacobs about that and he has offered to make some changes. Kevin Lacy said he would like to appeal to the City and talk about that again. Mr. Tramm said he will get back to him outside of the meeting and discuss what needs to be done.

Kevin Lacy asked as a new homeowner whose home is being built in Town Creek is it the builder who is responsible for all the water in front of his future home. Byron Sanford said it is the whole block of Brock's Lane. Mrs. Vu said if you have issues with it to let them know and they will reach out to the right people to make sure it is handled.

Mayor Countryman asked who is responsible for this flooding issue. Mayor Countryman asked if it was the City's responsibility or if it is the engineer's responsibility to hold Stylecraft accountable. Mrs. Vu said it has been a joint effort between the City and the engineers to stay in contact with Stylecraft. Mrs. Vu said they are holding a maintenance bond on them so there is a little bit of financial motivation for them to get it done and get it done right. Mrs. Vu said once the work is completed they will do a warranty inspection and make sure the work is completed sufficiently and if it was then they will release the maintenance bond. Mayor Countryman said it sounds like there is a whole lot of flooding and it sounds like it is moving around. Julie Davis asked how much of a maintenance bond are they holding because Town Creek is expensive. Mrs. Vu said it is expensive but the maintenance bond is sufficient. Mrs. Vu said if they were to walk away from it they would be walking away from a significant amount.

Mayor Countryman asked how do you determine if the flooding will be mitigated if it is continuing to move. Mrs. Vu said it is a matter of double-checking stabilization and slopes and making sure it is installed properly for specification.

Julie Davis asked if Mr. Larry Jacobs will have to come back and get a special permit for the driveways since it is usually crushed gravel over there and not asphalt. Julie Davis asked if he is zoned residential or commercial. Mr. Tramm said the zoning there is why he got the special use permit. Mayor Countryman said it was zoned residential. Mr. Tramm said he is using it for non-residential purposes and that is the reason for the special use permit. Julie Davis asked which issue the special use permit is used for. Julie Davis asked if it is for the tiny homes so they can have the lot variance or the driveways so they can use crushed gravel or both. Mr. Tramm said his permanent driveway was intended to be a more permanent driveway. Mr. Tramm said what you see is temporary construction work. Mr. Tramm

said they can revisit with him to see if he can update them on that. Mayor Countryman said if he has abandoned the idea of those rentals she would like to talk to him about potential parking or other ideas. Mr. Tramm said if he is not going to move forward with that they can certainly approach that conversation with him for additional parking in the area.

**ADJOURNMENT**

Julie Davis moved to adjourn at 8:16 p.m. Byron Sanford seconded the motion, the motion carried unanimously. (5-0)

Submitted by:  Date Approved: \_\_\_\_\_  
Susan Hensley, City Secretary

\_\_\_\_\_  
Mayor Sara Countryman

Montgomery City Council  
**AGENDA REPORT**

<b>Meeting Date:</b> August 10, 2021	<b>Budgeted Amount:</b> N/A
<b>Department:</b> Administrative	<b>Prepared By:</b> Susan Hensley, City Secretary

**Subject**

Consideration and possible action on calling a Public Hearing regarding the City of Montgomery 2021-2022 Proposed Operating Budget.

**Recommendation**

The recommendation is to call the Budget Public Hearing for September 14, 2021, at 6:00 p.m. at Montgomery City Hall at 101 Old Plantersville Road.

**Discussion**

Texas LGC 102.006(b) states the governing body, City Council shall set the date of the Public Hearing on the Proposed Operating Budget for a date occurring after the 15<sup>th</sup> day after the date the proposed budget is filed with the City Secretary.

This agenda item is to call the Budget Public Hearing, as required by the Texas Local Government Code, Section 102.006, prior to the adoption of the City Budget. The recommended date for the Budget Public Hearing is September 14, 2021, at 6:00 p.m. at City Hall, which is also the date of an upcoming City Council Meeting.

**Approved By**

City Administrator	Richard Tramm	Date: August 4, 2021
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Montgomery City Council  
**AGENDA REPORT**

<b>Meeting Date:</b> August 10, 2021	<b>Budgeted Amount:</b> N/A
<b>Department:</b> Administration	<b>Prepared By:</b> Richard Tramm

**Subject**

Consider and accept excess collections for 2020 debt service and certification of debt service collection rate for 2021/2022

**Recommendation**

Accept the accept excess collections for 2020 debt service and certification of debt service collection rate for 2021/2022, as presented by the Montgomery County Tax Assessor-Collector.

**Discussion**

Each year, as part of the budget and tax setting process, the Montgomery County Tax Assessor-Collector provides the City with the collection rate for property taxes that should be used in the debt tax rate calculation. As stated in her report, the actual collection rate was 100% of the anticipated collection rate.

<b>Approved By</b>		
City Administrator	Richard Tramm	Date: August 5, 2021



# Tammy J. McRae

Tax Assessor-Collector  
Montgomery County

July 23, 2021

TO: All Jurisdictions Levying a 2021 Debt Service

RE: Consent Agenda Item for Governing Body

“CONSIDER AND ACCEPT EXCESS COLLECTIONS FOR 2020 DEBT SERVICE AND CERTIFICATION FOR DEBT SERVICE COLLECTION RATE FOR 2021/2022”

Dear Governing Body;

Enclosed is the above information for your agenda. Please contact me should you have questions.

Best Regards,

Tammy McRae, PCAC  
Tax Assessor-Collector



# Tammy J. McRae

Tax Assessor-Collector  
Montgomery County

July 23, 2021

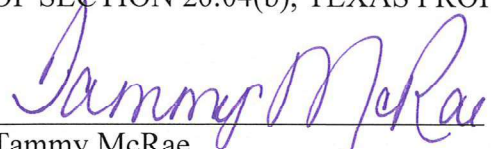
CITY OF MONTGOMERY  
2021-2022 ANTICIPATED COLLECTION RATE  
2020 EXCESS DEBT TAX COLLECTIONS

In accordance with the certification requirements of Section 26.04(b), Texas Property Tax Code, the following information is provided for use on the Voter Approval Rate Worksheet:

**The anticipated collection rate for 2021 is 100%, as calculated under Sec. 26.04(h)(h-1)(h-2).**

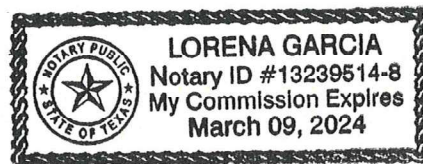
**Excess 2020 debt tax collections are \$0.00. This amount is to be used in the 2021 debt tax rate calculation because the 2020 actual debt tax collection rate met the anticipated 2020 debt collection rate which was equal to 100%, pursuant to Sec. 26.04(e)(3)(C), Texas Property Tax Code.**

I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND COMPLIES WITH THE CERTIFICATION REQUIREMENTS OF SECTION 26.04(b), TEXAS PROPERTY TAX CODE.

  
\_\_\_\_\_  
Tammy McRae  
MONTGOMERY COUNTY  
TAX ASSESSOR/COLLECTOR

Sworn and subscribed before me this 23<sup>rd</sup> day of July 2021.

  
\_\_\_\_\_  
Notary Public for the State of Texas



*"Committed to providing the citizens of Montgomery County with excellent public service while maintaining the highest level of accountability"*

Montgomery City Council  
**AGENDA REPORT**

<b>Meeting Date:</b> August 10, 2021	<b>Budgeted Amount:</b> N/A
<b>Department:</b> Admin	<b>Prepared By:</b> Dave McCorquodale

**Subject**

Presentation of FM 1097 and Buffalo Springs Drive Traffic Signal Warrant Analysis and FM 1097 Speed Study by Jones | Carter, Inc.

**Recommendation**

Listen to the presentation, provide comments and questions as you see fit. No formal action needed.

**Discussion**

Traffic volume on the northeast side of the City has steadily increased for a number of years, especially during peak commuter times. Lone Star Parkway and Buffalo Springs Drive are frequently used as connections between SH 105 and FM 1097. The City recently undertook two traffic studies in the area with the goals of getting up-to-date data, ensuring safety and accommodating traffic patterns and volumes in the City:

- A Traffic Signal Warrant Analysis at FM 1097 & Buffalo Springs Drive
- A Speed Study of FM 1097 East inside the City (from FM 149 intersection to 1.5 miles east)

Both studies are attached, and staff from Jones | Carter will be at the meeting to present the details of the studies and address comments from the City Council.

**Approved By**

Asst. City Administrator	Dave McCorquodale	Date: 08/04/2021
City Administrator	Richard Tramm	Date: 08/04/2021

**June 28, 2021**

Richard Tramm  
City Administrator  
City of Montgomery  
101 Old Plantersville Road  
Montgomery, Texas 77316

**Speed Zoning Summary Report**

Road: FM 1097  
County: Montgomery  
Control-Section: 1259-01  
Begin Mile Point: 0.000  
End Mile Point: 1.500

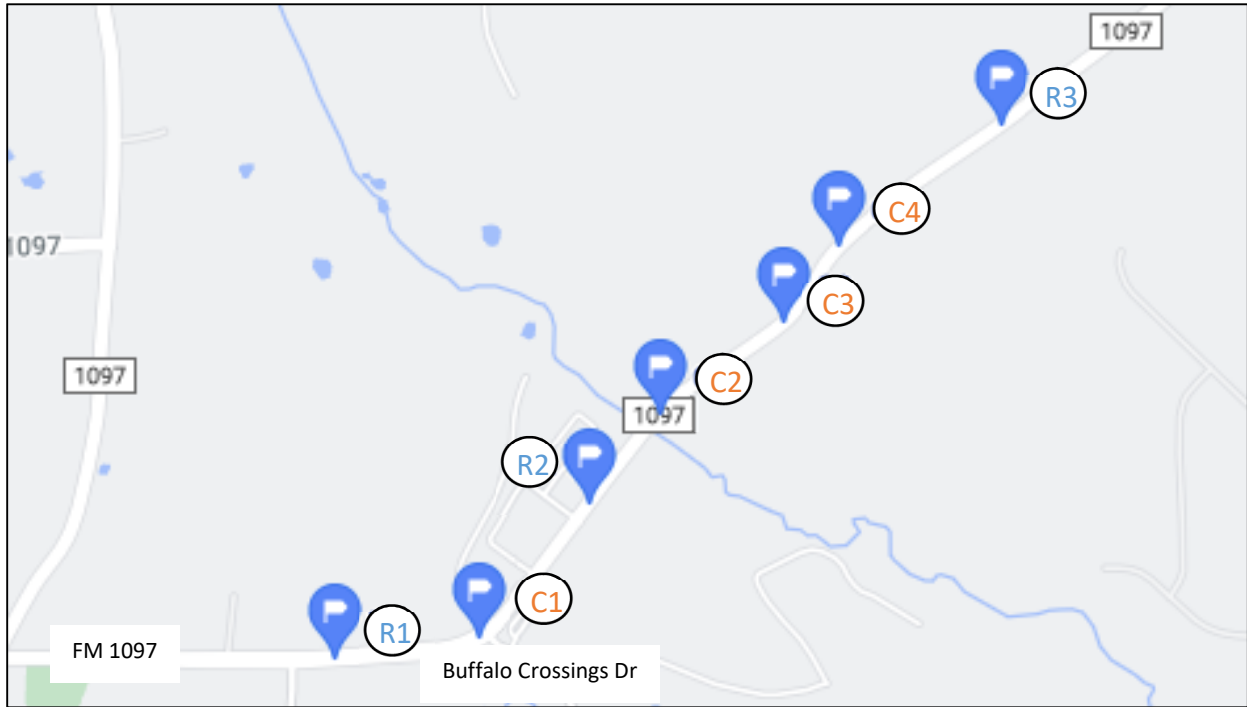
Dear Mr. Tramm,

Jones|Carter has completed our review of FM 1097 between mile points 0.000 to 1.500. Speed data was collected at 3 locations and curve data was collected at 4 locations within the zoned section. A summary of the collected data appears in the tables below. The raw data can be found in the **Appendix**.

A. Spot Speed Studies

Spot speed surveys of vehicles traveling on FM 1097 were conducted at three different locations. The speeds of around 125 vehicles in each direction were recorded at each of the study locations. The data obtained in these studies were used to determine the 85<sup>th</sup> percentile speeds, which are summarized in **Table 1**. The posted speed limit is 55 mph on the study section of FM 1097 with various advisory speeds for the curves. Complete speed survey data is included in **Appendix**.

**Figure 1: FM 1097 Speed Study and Curve Locations**



**Table 1: 85<sup>th</sup> Percentile Speed Study Data**

Number	Location of Speed Study	Posted Speed (mph)	Date Collected	Direction of Travel	Total Vehicles Recorded	Max Speed (mph)	85th Percentile Speed (mph)	Recommended Posted Speed (mph)
R1	East of Plez Morgan Dr	55	6/14/2021	EB	125	62	55	50
		55	6/14/2021	WB	125	70	51	50
R2	East of Buffalo Crossings Dr	55	6/14/2021	EB	125	59	50	50
		55	6/14/2021	WB	125	56	51	50
R3	South of Peel Crossings Dr	55	6/14/2021	EB	125	61	55	No Change
		55	6/14/2021	WB	125	70	57	No Change

**B. Curve Study**

A test run was conducted on FM 1097 in both directions between FM 149 and 0.36 miles south of Peel Road. TRAMS software was used during the runs to collect data on the four curves present along the study segment. The data obtained from the test run is summarized in **Table 2**, and the complete data is included in **Appendix**.

**Table 2: Curve Data**

Curve	Travel Direction	Existing Roadway Speed Limit (mph)	Existing Advisory Speed (mph)	Collected Advisory Speed (mph)	Recommended Advisory Speed (mph)
C1	EB	55	40	30	35
	WB	55	40	35	35
C2	EB	55	50	40	40
	WB	55	50	40	40
C3	EB	55	45	40	No Change
	WB	55	45	45	No Change
C4	EB	55	45	40	No Change
	WB	55	45	45	No Change

C. Trial Runs

Jones|Carter staff traveled the segment of roadway on Tuesday, June 15, 2021 and had the following observations regarding traffic operations:

- No conditions were observed within the study segment that would influence the proposed speed zones during test runs through the area.
- Trial runs were conducted and the raw field data can be found in the **Appendix**.

D. Recommendations

Based on the review of the existing conditions and data collected, it is recommended that TxDOT consider the following changes to the speed zone and signing in the City of Montgomery on FM 1097:

1. Change the speed limit to 50 mph and update signing.
2. Change the advisory speed limit signing for Curve C1 to 35 mph.
3. Change the advisory speed limit signing for Curve C2 to 40 mph.

If you have any questions or comments, please contact me at (713) 777-5337.



Mary Beth Hairrell, P.E.  
Project Engineer  
Jones|Carter

Interim Review:

This Document is released for Review Only  
under the authority of Mary Beth Hairrell, P.E.,  
Texas No. 140234 on June 28, 2021.



# Appendix

## Contents

- Appendix A Speed Study Data
- Appendix B Curve Study Data
- Appendix C Trial Run Data
- Appendix D FM 1097 Existing Signs Figure
- Appendix E FM 1097 Recommended Signs Figure

**Appendix A**  
**Speed Study Data**



# RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 06/14/21 County: Montgomery Hwy: FM 1097 Location: R1: 250 feet east of Plez Morgan Drive

Time (from): 1:07 PM (to): 2:10 PM Weather: Clear

Surface type: \_\_\_\_\_ Surface condition:  Wet or  Dry /  Smooth or  Rough

M.P.H.	AUTOMOBILES		M.P.H.	AUTOMOBILES		M.P.H.	AUTOMOBILES		M.P.H.
	Direction: EB			Direction: EB			Direction:	Direction:	
>80									>80
79									79
78									78
77									77
76									76
75									75
74									74
73									73
72									72
71									71
70				1		130			70
69									69
68									68
67									67
66									66
65									65
64									64
63									63
62	2		130						62
61									61
60									60
59	3		128						59
58	2		125						58
57	2		123						57
56	7		121	3		129			56
55	6		114	1		126			55
54	4		108	3		125			54
53	9		104	3		122			53
52	10		95	5		119			52
51	10		85	9		114			51
50	11		75	9		105			50
49	8		64	13		96			49
48	12		56	12		83			48
47	14		44	18		71			47
46	7		30	11		53			46
45	6		23	14		42			45
44	2		17	3		28			44
43	3		15	6		25			43
42	3		12	1		19			42
41	3		9	4		18			41
40	3		6	5		14			40
39	1		3	2		9			39
38				2		7			38
37	1		2	1		5			37
36	1		1	1		4			36
35				2		3			35
34									34
33				1		1			33
32									32
31									31
<30									<30
Total Automobiles			Total Automobiles						
		x 0.85			x 0.85				
85th Percentile Automobile:		111	85th Percentile Automobile:		111				
85th Percentile Speed (m.p.h.):		55	85th Percentile Speed (m.p.h.):		51				

Total No. of Cars	85% Car No.	Total No. of Cars	85% Car No.	Total No. of Cars	85% Car No.	Total No. of Cars	85% Car No.
80	68	120	102	160	136	200	170
81	69	121	103	161	137	201	171
82	70	122	104	162	138	202	172
83	71	123	105	163	139	203	173
84	71	124	105	164	139	204	173
85	72	125	106	165	140	205	174
86	73	126	107	166	141	206	175
87	74	127	108	167	142	207	176
88	75	128	109	168	143	208	177
89	76	129	110	169	144	209	178
90	77	130	111	170	145	210	179
91	77	131	111	171	145	211	179
92	78	132	112	172	146	212	180
93	79	133	113	173	147	213	181
94	80	134	114	174	148	214	182
95	81	135	115	175	149	215	183
96	82	136	116	176	150	216	184
97	82	137	116	177	150	217	184
98	83	138	117	178	151	218	185
99	84	139	118	179	152	219	186
100	85	140	119	180	153	220	187
101	86	141	120	181	154	221	188
102	87	142	121	182	155	222	189
103	88	143	122	183	156	223	190
104	88	144	122	184	156	224	190
105	89	145	123	185	157	225	191
106	90	146	124	186	158	226	192
107	91	147	125	187	159	227	193
108	92	148	126	188	160	228	194
109	93	149	127	189	161	229	195
110	94	150	128	190	162	230	196
111	94	151	128	191	162	231	196
112	95	152	129	192	163	232	197
113	96	153	130	193	164	233	198
114	97	154	131	194	165	234	199
115	98	155	132	195	166	235	200
116	99	156	133	196	167	236	201
117	99	157	133	197	167	237	201
118	100	158	134	198	168	238	202
119	101	159	135	199	169	239	203



# RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 06/14/21 County: Montgomery Hwy: FM 1097 Location: R2: 1,000 feet east of Buffalo Crossings Drive

Time (from): 3:00 PM (to): 4:05 PM Weather: Clear

Surface type: \_\_\_\_\_ Surface condition:  Wet or  Dry /  Smooth or  Rough

M.P.H.	AUTOMOBILES		AUTOMOBILES		AUTOMOBILES		M.P.H.
	Direction: EB		Direction: EB		Direction:	Direction:	
		Cumulative Total		Cumulative Total			
>80							>80
79							79
78							78
77							77
76							76
75							75
74							74
73							73
72							72
71							71
70							70
69							69
68							68
67							67
66							66
65							65
64							64
63							63
62							62
61							61
60							60
59	1	125					59
58							58
57							57
56	1	124	2	125			56
55	1	123	2	123			55
54			1	121			54
53	4	122	8	120			53
52	3	118	4	112			52
51	4	115	6	108			51
50	6	111	14	102			50
49	9	105	10	88			49
48	4	96	11	78			48
47	9	92	15	67			47
46	4	83	10	52			46
45	11	79	14	42			45
44	7	68	9	28			44
43	13	61	7	19			43
42	10	48	4	12			42
41	10	38	1	8			41
40	10	28	2	7			40
39	7	18	2	5			39
38	3	11					38
37	4	8	1	3			37
36	1	4					36
35	1	3					35
34							34
33	1	2	2	2			33
32	1	1					32
31							31
<30							<30
	Total Automobiles		Total Automobiles				
		x 0.85		x 0.85			
	85th Percentile Automobile: 106		85th Percentile Automobile: 106				
	85th Percentile Speed (m.p.h.): 50		85th Percentile Speed (m.p.h.): 51				

Total No. of Cars	85% Car No.	Total No. of Cars	85% Car No.	Total No. of Cars	85% Car No.	Total No. of Cars	85% Car No.
80	68	120	102	160	136	200	170
81	69	121	103	161	137	201	171
82	70	122	104	162	138	202	172
83	71	123	105	163	139	203	173
84	71	124	105	164	139	204	173
85	72	125	106	165	140	205	174
86	73	126	107	166	141	206	175
87	74	127	108	167	142	207	176
88	75	128	109	168	143	208	177
89	76	129	110	169	144	209	178
90	77	130	111	170	145	210	179
91	77	131	111	171	145	211	179
92	78	132	112	172	146	212	180
93	79	133	113	173	147	213	181
94	80	134	114	174	148	214	182
95	81	135	115	175	149	215	183
96	82	136	116	176	150	216	184
97	82	137	116	177	150	217	184
98	83	138	117	178	151	218	185
99	84	139	118	179	152	219	186
100	85	140	119	180	153	220	187
101	86	141	120	181	154	221	188
102	87	142	121	182	155	222	189
103	88	143	122	183	156	223	190
104	88	144	122	184	156	224	190
105	89	145	123	185	157	225	191
106	90	146	124	186	158	226	192
107	91	147	125	187	159	227	193
108	92	148	126	188	160	228	194
109	93	149	127	189	161	229	195
110	94	150	128	190	162	230	196
111	94	151	128	191	162	231	196
112	95	152	129	192	163	232	197
113	96	153	130	193	164	233	198
114	97	154	131	194	165	234	199
115	98	155	132	195	166	235	200
116	99	156	133	196	167	236	201
117	99	157	133	197	167	237	201
118	100	158	134	198	168	238	202
119	101	159	135	199	169	239	203



# RADAR MOTOR VEHICLE SPEED Field Tally Sheet

Date: 06/14/21 County: Montgomery Hwy: FM 1097 Location: R3: 2,450 feet south of Peel Road

Time (from): 4:07 PM (to): 4:56 PM Weather: Clear

Surface type: \_\_\_\_\_ Surface condition:  Wet or  Dry /  Smooth or  Rough

M.P.H.	AUTOMOBILES		Cumulative Total	AUTOMOBILES		Cumulative Total	AUTOMOBILES		M.P.H.
	Direction: EB			Direction: EB			Direction:	Direction:	
>80									>80
79									79
78									78
77									77
76									76
75									75
74									74
73									73
72									72
71									71
70				1		125			70
69				1		124			69
68									68
67				1		123			67
66									66
65									65
64				1		122			64
63									63
62				2		121			62
61	1		125	2		119			61
60	1		124	4		117			60
59				2		113			59
58	1		123	4		111			58
57	7		122	13		107			57
56	8		115	10		94			56
55	7		107	14		84			55
54	8		100	9		70			54
53	13		92	11		61			53
52	12		79	21		50			52
51	14		67	8		29			51
50	14		53	5		21			50
49	6		39	2		16			49
48	4		33	4		14			48
47	11		29	5		10			47
46	2		18	2		5			46
45	5		16	3		3			45
44	5		11						44
43	3		6						43
42	2		3						42
41									41
40	1		1						40
39									39
38									38
37									37
36									36
35									35
34									34
33									33
32									32
31									31
<30									<30
	Total Automobiles			Total Automobiles					
			x 0.85			x 0.85			
	85th Percentile Automobile:		106	85th Percentile Automobile:		106			
	85th Percentile Speed (m.p.h.):		55	85th Percentile Speed (m.p.h.):		57			

Total No. of Cars	85% Car No.	Total No. of Cars	85% Car No.	Total No. of Cars	85% Car No.	Total No. of Cars	85% Car No.
80	68	120	102	160	136	200	170
81	69	121	103	161	137	201	171
82	70	122	104	162	138	202	172
83	71	123	105	163	139	203	173
84	71	124	105	164	139	204	173
85	72	125	106	165	140	205	174
86	73	126	107	166	141	206	175
87	74	127	108	167	142	207	176
88	75	128	109	168	143	208	177
89	76	129	110	169	144	209	178
90	77	130	111	170	145	210	179
91	77	131	111	171	145	211	179
92	78	132	112	172	146	212	180
93	79	133	113	173	147	213	181
94	80	134	114	174	148	214	182
95	81	135	115	175	149	215	183
96	82	136	116	176	150	216	184
97	82	137	116	177	150	217	184
98	83	138	117	178	151	218	185
99	84	139	118	179	152	219	186
100	85	140	119	180	153	220	187
101	86	141	120	181	154	221	188
102	87	142	121	182	155	222	189
103	88	143	122	183	156	223	190
104	88	144	122	184	156	224	190
105	89	145	123	185	157	225	191
106	90	146	124	186	158	226	192
107	91	147	125	187	159	227	193
108	92	148	126	188	160	228	194
109	93	149	127	189	161	229	195
110	94	150	128	190	162	230	196
111	94	151	128	191	162	231	196
112	95	152	129	192	163	232	197
113	96	153	130	193	164	233	198
114	97	154	131	194	165	234	199
115	98	155	132	195	166	235	200
116	99	156	133	196	167	236	201
117	99	157	133	197	167	237	201
118	100	158	134	198	168	238	202
119	101	159	135	199	169	239	203



## **Appendix B**

### **Curve Study Data**

CURVE ADVISORY SPEED WORKSHEET						
<b>General Information</b>						
County:	Montgomery	Curve Data Source:		Date:	June 18, 2021	
Highway:	FM 1097 EB	Known curve geometry		Analyst:	Abdel R Trawi	
<b>Input Data</b>						
<b>Data Description</b>	<b>Curve ID Number</b>					
	<b>C1</b>	<b>C2</b>	<b>C3</b>	<b>C4</b>		
Curve deflection, left or right	Left	Right	Left	Right		
Roadway configuration (2U, 4U, 4D, 4F)	2U	2U	2U	2U		
Compass heading 1, degrees	251.7	124	254	239	330	189
BBI reading of superelevation, degrees	4.8	5.1	7.4	1.0	1.0	8.3
Deflection of ball for superelevation reading, left or right	Right	Left	Left	Right	Right	Left
Speed when recording the BBI reading of superelevation, mph	0	0	0	0	0	0
Curve length, ft Caution, curve length outside equation range.	216	237	118	57 See note.	57 See note.	110
Compass heading 2, degrees	261	94	244	207	300	158
Survey method (partial or full)	Partial	Partial	Partial	Partial	Partial	Partial
Regulatory speed limit, mph	55	55	55	55		
Estimate of 85th% tangent speed, mph	61	63	60	63		
<b>Alternate Input Data (if data are entered here, they will be used instead of estimates from the data above)</b>						
85th% tangent speed, mph	55	50	50	50		
Total curve deflection angle, degrees	47	16	24	19		
Curve deflection angle, degrees	5.1	1.8	4.1	2.2		
Superelevation rate, percent	-2.0	0.0	16.0	2.4		
Curve radius, ft	457	900	350	667		
<b>Advisory Speed</b>						
Survey method (partial or full)	Partial	Partial	Partial	Partial	Full	Full
Total deflection angle, degrees	47	16	24	19	0	0
Curve deflection angle, degrees Caution, deflection angle outside equation range.	5.1	1.8 See note.	4.1	2.2 See note.	0.0 See note.	0.0 See note.
Curve radius, ft	457	900	350	667		
Degree of curvature, degrees	12.5	6.4	16.3	8.6		
Curve path radius, ft	493	1222	487	879		
Superelevation rate, percent	-2.0	0.0	16.0	2.4		
Average tangent speed, mph	48	44	44	44		
Unrounded advisory speed, mph	34	41	42	40		
<b>Rounded advisory speed, mph</b>	<b>30</b>	<b>40</b>	<b>40</b>	<b>40</b>		
<b>Traffic Control Device Guidelines</b>						
85th% tangent speed, mph	55	50	50	50		
85th% curve speed, mph	40	50	48	49		
Curve severity category	C		A	A		
<b>Curve Warning Signs</b>						
Curve sign (W1-2, W1-4, W1-5)		Req.	Req.	Req.		
Turn sign (W1-1, W1-3, W1-5)	Req.					
Hairpin Curve sign (W1-11)						
Minimum Curve sign size, in	36x36	36x36	36x36	36x36		
Min. advance placement distance, ft	175	100	100	100		
Advisory Speed plaque (W13-1P)	Req.	Req.	Req.	Req.		
Min. Adv. Speed plaque sign size, in	18x18	18x18	18x18	18x18		

Comb. Curve/Adv. Speed sign (W1-2a)						
Comb. Turn/Adv. Speed sign (W1-1a)	Opt.					
<i>Minimum Comb. sign size, in</i>	30x30					
One-Dir. Large Arrow (W1-6 or W1-9T)	Opt.	Opt.	Opt.	Opt.		
Chevrons (W1-8)	<b>Req.</b>	<b>Req.</b>	<b>Req.</b>	<b>Req.</b>		
<i>Chevron spacing, ft</i>	120	160	80	120		
<b>Delineation Devices</b>						
Raised pavement markers	Opt.	Opt.	Opt.	Opt.		
Delineators	Opt.	Opt.	Opt.	Opt.		
<i>Delineator spacing, ft</i>	60	85	50	75		
<b>Special Treatments</b>						
Opt. = optional                      Rec. = recommended                      Req. = required						

CURVE ADVISORY SPEED WORKSHEET						
<b>General Information</b>						
County:	Montgomery	Curve Data Source:		Date:	June 18, 2021	
Highway:	FM 1097 WB	Known curve geometry		Analyst:	Abdel R Trawi	
<b>Input Data</b>						
<b>Data Description</b>	<b>Curve ID Number</b>					
	<b>C1</b>	<b>C2</b>	<b>C3</b>	<b>C4</b>		
Curve deflection, left or right	Right	Left	Right	Left		
Roadway configuration (2U, 4U, 4D, 4F)	2U	2U	2U	2U		
Compass heading 1, degrees	251.7	124	254	239	330	189
BBI reading of superelevation, degrees	4.8	5.1	7.4	1.0	1.0	8.3
Deflection of ball for superelevation reading, left or right	Right	Left	Left	Right	Right	Left
Speed when recording the BBI reading of superelevation, mph	0	0	0	0	0	0
Curve length, ft Caution, curve length outside equation range.	216	237	118	57 See note.	57 See note.	110
Compass heading 2, degrees	261	94	244	207	300	158
Survey method (partial or full)	Partial	Partial	Partial	Partial	Partial	Partial
Regulatory speed limit, mph	55	55	55	55		
Estimate of 85th% tangent speed, mph	59	63	61	61		
<b>Alternate Input Data (if data are entered here, they will be used instead of estimates from the data above)</b>						
85th% tangent speed, mph	51	57	57	57		
Total curve deflection angle, degrees	48	15	22	19		
Curve deflection angle, degrees	4.3	2.4	3.5	3.6		
Superelevation rate, percent	9.5	-4.7	11.8	9.1		
Curve radius, ft	343	936	408	441		
<b>Advisory Speed</b>						
Survey method (partial or full)	Partial	Partial	Partial	Partial	Full	Full
Total deflection angle, degrees	48	15	22	19	0	0
Curve deflection angle, degrees Caution, deflection angle outside equation range.	4.3	2.4 See note.	3.5 See note.	3.6 See note.	0.0 See note.	0.0 See note.
Curve radius, ft	343	936	408	441		
Degree of curvature, degrees	16.7	6.1	14.0	13.0		
Curve path radius, ft	378	1291	568	655		
Superelevation rate, percent	9.5	-4.7	11.8	9.1		
Average tangent speed, mph	45	50	50	50		
Unrounded advisory speed, mph	36	42	44	45		
<b>Rounded advisory speed, mph</b>	<b>35</b>	<b>40</b>	<b>45</b>	<b>45</b>		
<b>Traffic Control Device Guidelines</b>						
85th% tangent speed, mph	51	57	57	57		
85th% curve speed, mph	41	51	51	52		
Curve severity category	B	B	B	B		
<b>Curve Warning Signs</b>						
Curve sign (W1-2, W1-4, W1-5)	Req.	Req.	Req.	Req.		
Turn sign (W1-1, W1-3, W1-5)						
Hairpin Curve sign (W1-11)						
Minimum Curve sign size, in	36x36	36x36	36x36	36x36		
Min. advance placement distance, ft	100	125	100	100		
Advisory Speed plaque (W13-1P)	Req.	Req.	Req.	Req.		
Min. Adv. Speed plaque sign size, in	18x18	18x18	18x18	18x18		

Comb. Curve/Adv. Speed sign (W1-2a)						
Comb. Turn/Adv. Speed sign (W1-1a)						
<i>Minimum Comb. sign size, in</i>						
One-Dir. Large Arrow (W1-6 or W1-9T)	Opt.	Opt.	Opt.	Opt.		
Chevrons (W1-8)	<b>Req.</b>	<b>Req.</b>	<i>Rec.</i>	<i>Rec.</i>		
<i>Chevron spacing, ft</i>	80	160	80	120		
<b>Delineation Devices</b>						
Raised pavement markers	Opt.	Opt.	Opt.	Opt.		
Delineators	Opt.	Opt.	Opt.	Opt.		
<i>Delineator spacing, ft</i>	50	90	55	60		
<b>Special Treatments</b>						
	Opt. = optional	<i>Rec. = recommended</i>		<b>Req. = required</b>		

## **Appendix C**

### **Trial Run Data**



Form 1929 (rev. 3/21/2005)

### Summary of Trial Run for Speed Zones

Date: 6/15 Driver(s): Adam Barnes

Time: (from) \_\_\_\_\_ (to) \_\_\_\_\_ Weather: Sunny

Surface Type: Asphalt Surface Condition:  Wet or  Dry /  Smooth or  Rough

County (City — if applicable)	Highway / Control Section	Limits		Length (miles)	Speed (miles per hour)
		Begin	End		
Montgomery	FM 1097	0	0.3	0.3	56
"	"	0.3	0.6	" "	40
"	"	0.6	0.9	"	49
"	"	0.9	1.2	"	47
"	"	1.2	1.5	"	56
"	"	1.5	1.2	"	61
"	"	1.2	0.9	"	56
"	"	0.9	0.6	"	58
"	"	0.6	0.3	"	56
"	"	0.3	0.0	"	54
				"	

TR1  
EB

turn

TR2  
WB

bridge

**Instructions:**

- List counties (cities) in alphabetical order.
- Order highways as follows:
  1. Interstate Highways
  2. US Highways
  3. State Highways
  4. FM/RM Roads
- Show lengths up to 3 decimal places.



Form 1929 (rev. 3/21/2005)

### Summary of Trial Run for Speed Zones

Date: 6/15 Driver(s): Kate Sumner

Time: (from) \_\_\_\_\_ (to) \_\_\_\_\_ Weather: Sunny

Surface Type: Asphalt Surface Condition:  Wet or  Dry /  Smooth or  Rough

TR3  
EB

TR4  
WB

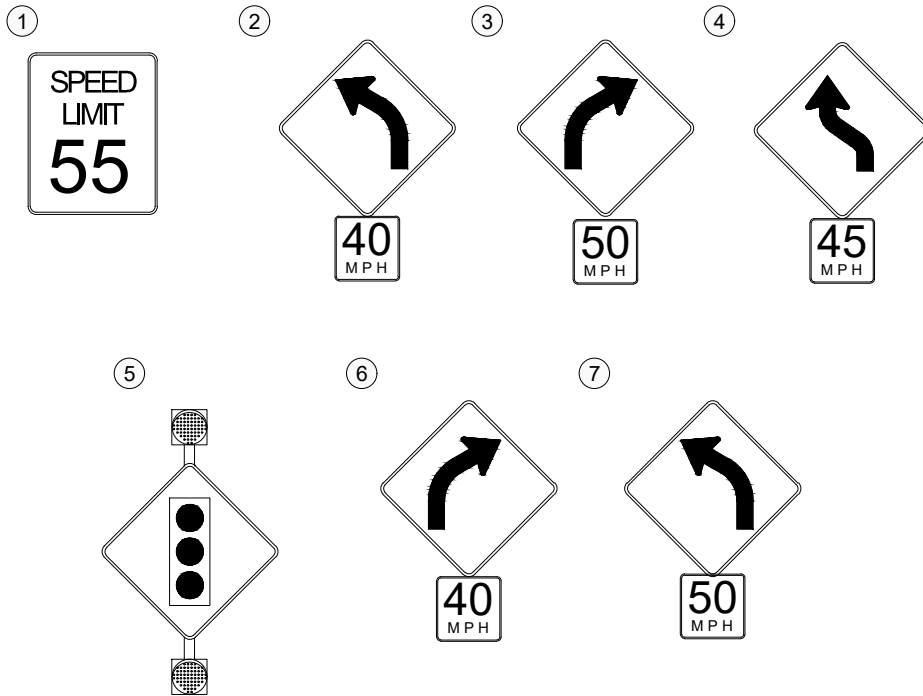
County (City — if applicable)	Highway / Control Section	Limits		Length (miles)	Speed (miles per hour)
		Begin	End		
Montgomery	FM 1097	0.0	0.3	0.3	59
"	"	0.3	0.6	"	47*
"	"	0.6	0.9	"	49
"	"	0.9	1.2	"	53
"	"	1.2	1.5	"	58
"	"	<del>1.2</del> 1.5	1.2	"	58
"	"	1.2	0.9	"	52
"	"	0.9	0.6	"	41
"	"	0.6	0.3	"	54
"	"	0.3	0.0	"	53

**Instructions:**

- List counties (cities) in alphabetical order.
- Order highways as follows:
  1. Interstate Highways
  2. US Highways
  3. State Highways
  4. FM/RM Roads
- Show lengths up to 3 decimal places.



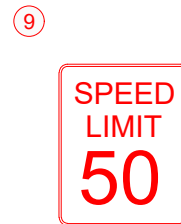
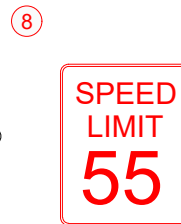
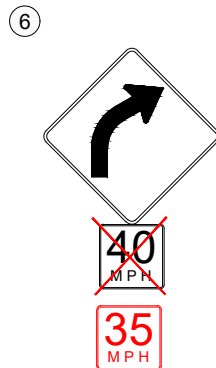
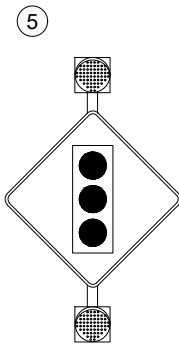
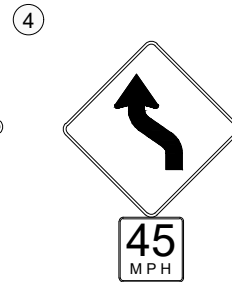
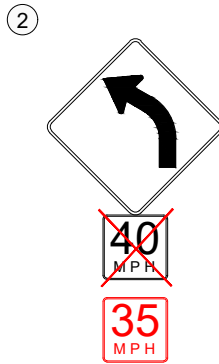
**Appendix D**  
**FM 1097 Existing Signs Figure**



FM 1097 EXISTING SIGNS

# **Appendix E**

## **FM 1097 Recommended Signs Figure**



FM 1097 RECOMMENDED SIGNS

# FM 1097 at Buffalo Springs Drive

## ***Traffic Signal Warrant Analysis*** ***June 2021***



Prepared for:  
***City of Montgomery***

Prepared by:



*Texas Board of Professional Engineers Registration No. F-439*  
6330 West Loop South, Suite 150 Bellaire, Texas 77401 (713) 777-5337

# FM 1097 at Buffalo Springs Drive

## ***Traffic Signal Warrant Analysis*** ***June 2021***

Interim Review:

This Document is released for Review Only under the authority of Mary Beth Hairrell, P.E., Texas No. 140234 on June 30, 2021.

Prepared for:

***City of Montgomery***

---

Prepared by:



Texas Board of Professional Engineers Registration No. F-439  
6330 West Loop South, Suite 150 Bellaire, Texas 77401 (713) 777-5337

## Executive Summary

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City of Montgomery subcontracted Jones | Carter (JC) to prepare Traffic Signal Warrant Studies at FM 1097 at Buffalo Springs Drive. This study analyzes the intersection of FM 1097 at Buffalo Springs Drive and includes traffic data collection, site inspection, existing conditions, and applicable traffic signal warrants. The study intersection is located in the City of Montgomery, Texas.

A site inspection was conducted to document the existing conditions of the study intersection and surrounding area. The study intersection is two-way stop controlled; Buffalo Springs Drive/Summit Park Drive is stop controlled and FM 1097 is free flow. There is no illumination present at the study intersection. There are no pedestrian ramps or sidewalks at the study intersection.

A 13-hour Turning Movement Counts (TMC) were collected by CJ Hensch & Associates, Inc. on Tuesday, June 15, 2021 at the study intersection between the hours of 6:00 AM – 7:00 PM. The peak hours were reached between 8:00-9:00 AM and 4:30-5:30 PM.

The 2nd Revision (adopted 2014) to the 2011 Texas Manual on Uniform Traffic Control Devices (TMUTCD) defines warrants for the installation of a traffic signal. A Traffic Signal Warrant Analysis (TSWA) was performed at the intersection of FM 1097 at Buffalo Springs Drive for 2021 Existing Conditions. Warrant 1 – Eight Hour, Warrant 2 – Four Hour, Warrant 3 – Peak Hour and Warrant 7 – Crash Experience were evaluated. The study results in the following conclusions and recommendations:

### Conclusions and Recommendations

In accordance with the TMUTCD, Warrant 1- Eight-Hour Vehicular Volume, Warrant 2- Four-Hour Vehicular Volume, and Warrant 3 - Peak Hour were met using the data collected for the study intersection; therefore, a traffic signal is recommended.

It is recommended that the eastbound approach on FM 1097 be restriped to provide a left turn lane with the traffic signal installation.

The traffic volumes were collected in summer where counts tend to be lower when school is not in session. The existing traffic on the roadway met the need for a signal by meeting all three warrants. The traffic in the area is expected to grow as several planned developments in the area continue to develop in future years.

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Figure 6 – FM 1097 at Buffalo Springs Drive Northbound Approach ..... 6

Figure 7 – FM 1097 at Buffalo Springs Drive Southbound Approach ..... 6



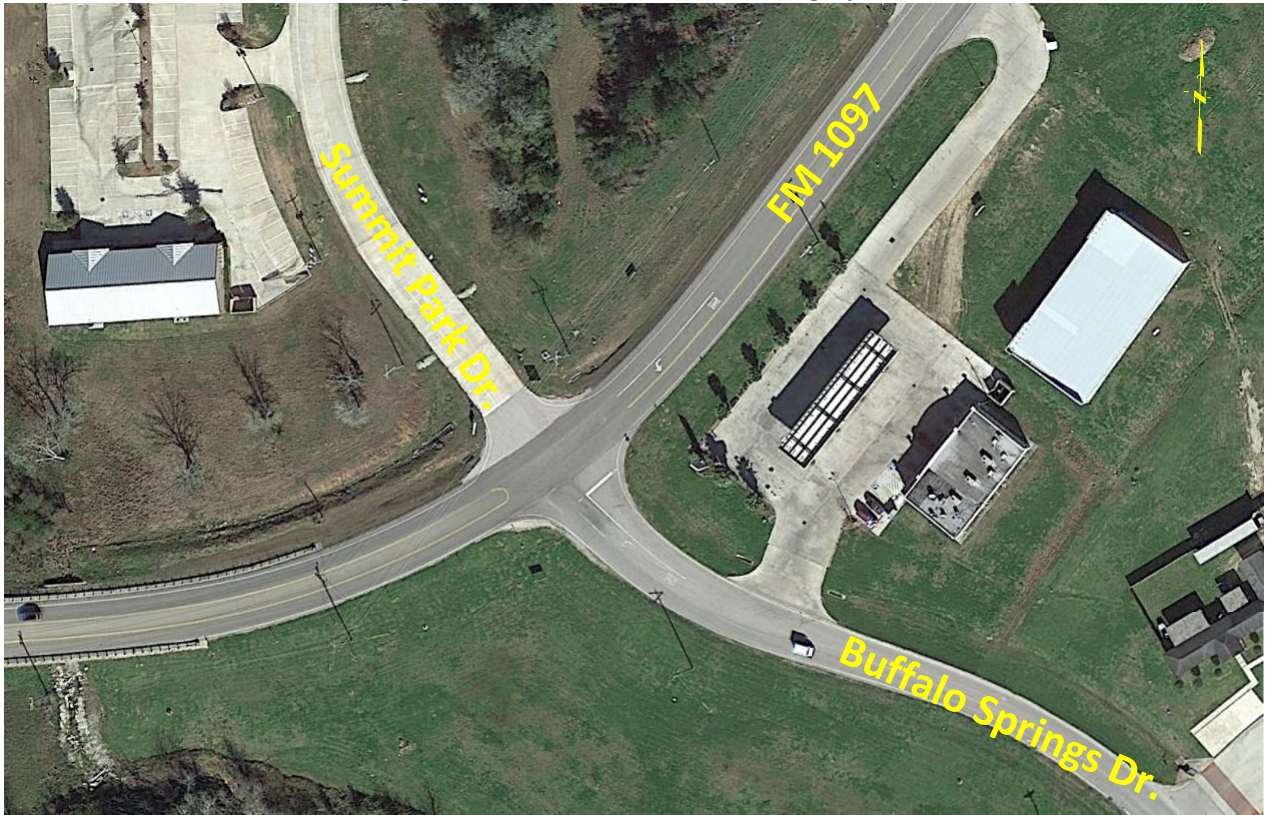
## Introduction

---

The purpose of this Traffic Signal Warrant Analysis is to evaluate safety and operations at the intersection of FM 1097 and Buffalo Springs Drive in Montgomery County, Texas. The project is located in the City of Montgomery.

This study analyzes the intersection of FM 1097 at Buffalo Springs Drive and includes traffic data collection, site inspection, existing conditions, and applicable traffic signal warrants. An aerial photo of the study intersection is provided in **Figure 1**.

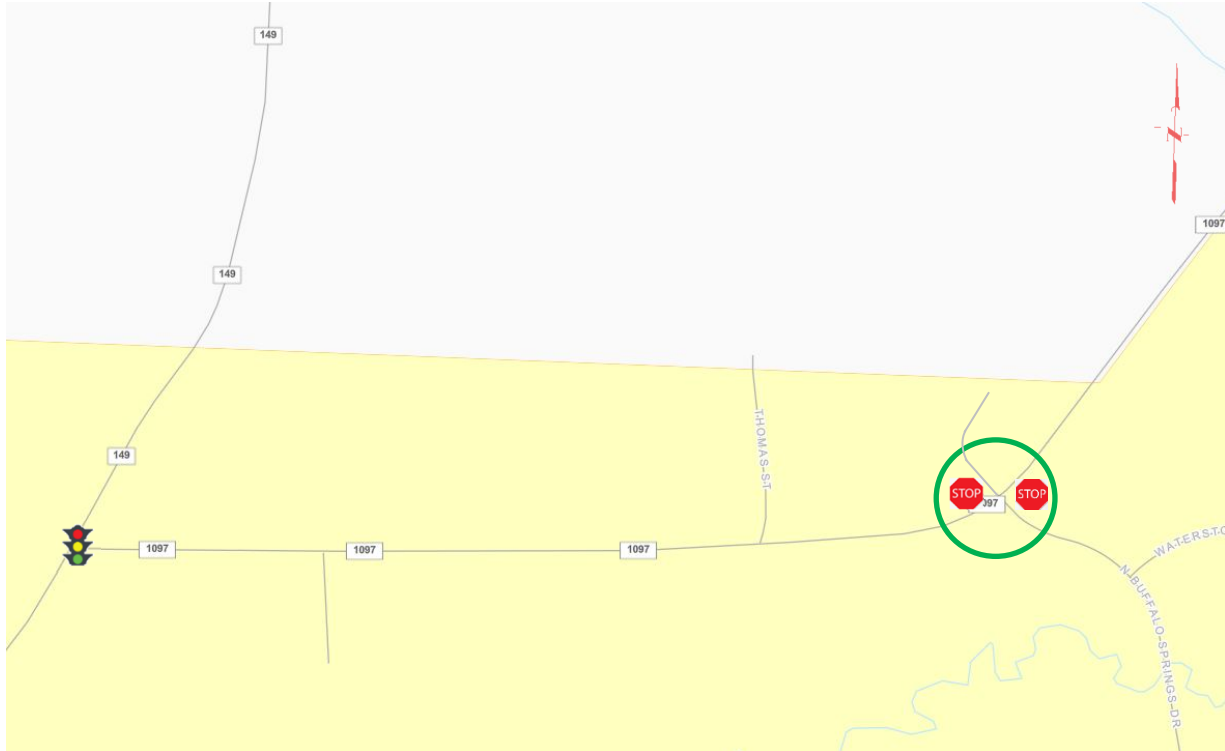
**Figure 1 – Intersection Aerial Photograph**



### Existing Conditions

The intersection is located in the City of Montgomery. FM 1097 at Buffalo Springs Drive is an existing two-way stop controlled intersection. The nearest signalized intersection is FM 1097 at FM 149 located approximately 0.6 miles to the west. The area location map is shown in **Figure 2**.

**Figure 2 –FM 1097 at Buffalo Springs Drive Area Location Map**



### Roadways

FM 1097 is a two-lane asphalt roadway that generally runs east-west. At the study intersection, there is 37 feet of pavement which includes two 10-foot wide travel lanes, a 10-foot wide left turn lane, a 5-foot shoulder on the north side and a 2-foot shoulder on the south side. It is a major thoroughfare with a posted speed limit of 55 mph and open ditch drainage.

Buffalo Springs Drive is a two-lane asphalt roadway that generally runs north-south. At the study intersection, there is 38 feet of pavement which includes two 12-foot wide travel lanes, a 12-foot wide left turn lane, and two 1-foot shoulders. It is assumed to be a local road with a posted speed limit of 30 mph and open ditch drainage.

Summit Park Drive is a two-lane concrete roadway that generally runs north-south. At the southbound approach to the study intersection, there is 38 feet of pavement which includes two 12-foot wide travel lanes, a 12-foot wide left turn lane, and two 1-foot shoulders. It is assumed to be a local road with a posted speed limit of 30 mph and open ditch drainage.

### Land Use

There are five companies located to the north of the intersection. The businesses include Montgomery Summit Business Park, CubeSmart Self Storage, Magnum Air Inc., Nazca Tech and Consulting, and Spring Fitness Montgomery.

The area to the south of the intersection, along Buffalo Springs Drive, is predominately residential. A gas station is located at the south-east corner of FM 1097 at Buffalo Springs Drive.

The area to the east, along FM 1097, is residential and is made up of vacant, wooded land.

The area to the west is made up of vacant, wooded land.

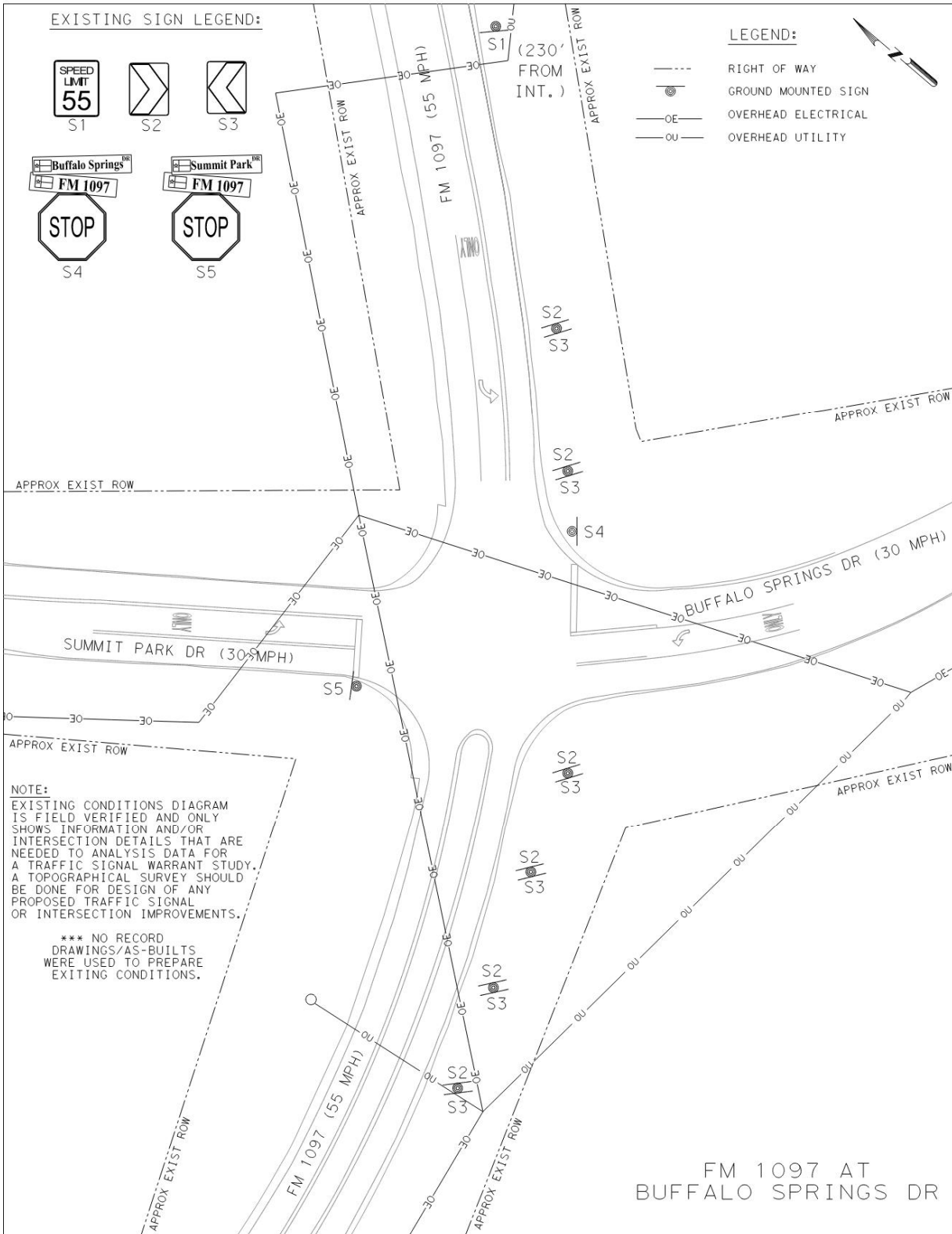
### Intersection Conditions

A site inspection was conducted to document the existing conditions of the study intersection and surrounding area. The 4-leg study intersection is two-way stop controlled and there is no illumination at the intersection. There are no pedestrian ramps nor sidewalks at the study intersection.

An existing condition diagram is provided in **Figure 3**. Intersection approach photos are provided in **Figure 4** through **Figure 8**.

Traffic Signal Warrant Analysis  
FM 1097 at Buffalo Springs Dr

Figure 3 –FM 1097 at Buffalo Springs Drive Existing Conditions Diagram



**Figure 4 – FM 1097 at Buffalo Springs Drive Eastbound Approach**



**Figure 5 – FM 1097 at Buffalo Springs Drive Westbound Approach**



**Figure 6 – FM 1097 at Buffalo Springs Drive Northbound Approach**



**Figure 7 – FM 1097 at Buffalo Springs Drive Southbound Approach**



## Traffic Data Collection

A 13-hour Turning Movement Count (TMC) was collected by CJ Hensch & Associates, Inc. on Wednesday, June 15, 2021 at the study intersection. The peak hours were reached between 8:00-9:00 AM and 4:30-5:30 PM.

A summary of the traffic data is provided in **Table 1** and the raw traffic count data can be found in the **Appendix**.

**Table 1 – Traffic Volume Summary**

Time Period	Traffic Volumes (vph)					Total Volume	Rank
	Major Street			Minor Street			
	FM 1097			Buffalo Springs Dr			
	WB	EB	Both Approaches	High Vol. App.			
7:00-8:00 AM	429	167	596	117		713	8
8:00-9:00 AM	432	198	630	171		801	5
9:30-10:30 AM	376	166	542	201		743	7
10:45-11:45 AM	384	183	567	222		789	6
12:00-1:00 PM	409	188	597	282		879	4
3:00-4:00 PM	382	236	618	295		913	3
4:30-5:30 PM	460	277	737	298		1035	1
5:30-6:30 PM	430	227	657	283		940	2

## Traffic Signal Warrant Analysis Results

A Traffic Signal Warrant Analysis (TSWA) was performed at the intersection of FM 1097 at Buffalo Springs Drive for the 2021 Existing Conditions. The TSWA was performed in accordance with the 2<sup>nd</sup> Revision (adopted 2014) to the 2011 TMUTCD utilizing the TxDOT Form TFF-TSCA. A summary of the results is shown in **Table 2** and the complete analysis can be found in the **Appendix**.

**Table 2 – Summary of Traffic Signal Warrant Analysis**

Traffic Signal Warrant	Warrant Met
Warrant 1, Eight-Hour Vehicular Volume	Met
Warrant 2, Four-Hour Vehicular Volume	Met
Warrant 3, Peak Hour	Met
Warrant 4, Pedestrian Volume	Not Applicable
Warrant 5, School Crossing	Not Applicable
Warrant 6, Coordinated Signal System	Not Applicable
Warrant 7, Crash Experience	Not Met
Warrant 8, Roadway Network	Not Applicable
Warrant 9, Intersection Near a Grade Crossing	Not Applicable

Crash records were downloaded through TxDOT's Crash Records Information System (CRIS) for 2015 through 2020. There were 6 reported crashes at the intersection during the years analyzed.

When analyzing 2021 Existing Conditions, Warrant 1-Eight-Hour Vehicular Volume, Warrant 2- Four-Hour Vehicular Volume and Warrant 3 - Peak Hour were met for the intersection.



## Conclusions and Recommendations

---

Jones Carter determined the following conclusions and recommendations for the intersection of FM 1097 at Buffalo Springs Drive based on the analysis of the traffic data collection, site inspection, existing conditions, crash data, and applicable traffic signal warrants:

### Conclusions and Recommendations

In accordance with the TMUTCD, Warrant 1-Eight-Hour Vehicular Volume, Warrant 2- Four-Hour Vehicular Volume and Warrant 3 - Peak Hour were met using the data collected for the study intersection; therefore, a traffic signal is recommended at the intersection of FM 1097 at Buffalo Springs Drive.

It is recommended that the eastbound approach on FM 1097 be restriped to provide a left turn lane with the traffic signal installation.

The traffic volumes were collected in summer where counts tend to be lower when school is not in session. The existing traffic on the roadway met the need for a signal by meeting all three warrants. The traffic in the area is expected to grow as several planned developments in the area continue to develop in future years.

# Appendix

## Contents

Appendix A Traffic Counts

Appendix B Crash Data

Appendix C Traffic Signal Warrant Analysis – 2021 Existing Conditions

# Appendix A

## Traffic Counts



Leg Direction	Buffalo Springs Dr Southbound					FM 1097 Westbound					Buffalo Springs Dr Northbound					FM 1097 Eastbound					Int
Time	R	T	L	U	App	R	T	L	U	App	R	T	L	U	App	R	T	L	U	App	Int
4:45PM	1	1	0	0	2	0	51	50	0	101	62	1	10	0	73	12	51	0	0	63	239
Hourly Total	3	2	0	0	5	1	185	225	0	411	243	3	28	0	274	30	219	3	0	252	942
5:00PM	3	0	0	0	3	0	68	63	0	131	70	0	5	0	75	9	53	0	0	62	271
5:15PM	2	0	0	0	2	1	59	63	0	123	67	1	5	0	73	4	76	1	0	81	279
5:30PM	1	0	1	0	2	0	67	60	0	127	68	0	7	0	75	7	35	1	0	43	247
5:45PM	1	0	0	0	1	0	49	52	0	101	52	0	11	0	63	6	43	0	0	49	214
Hourly Total	7	0	1	0	8	1	243	238	0	482	257	1	28	0	286	26	207	2	0	235	1011
6:00PM	1	0	0	0	1	0	49	61	0	110	59	1	7	0	67	3	62	0	0	65	243
6:15PM	1	1	0	0	2	0	41	51	0	92	67	1	10	0	78	5	64	1	0	70	242
6:30PM	0	1	0	0	1	0	26	28	0	54	62	0	8	0	70	7	51	0	0	58	183
6:45PM	1	0	0	0	1	0	34	29	0	63	42	0	6	0	48	5	36	0	0	41	153
Hourly Total	3	2	0	0	5	0	150	169	0	319	230	2	31	0	263	20	213	1	0	234	821
<b>Total</b>	27	35	4	0	66	9	2427	2566	0	5002	2567	36	318	0	2921	319	2185	24	0	2528	10517
<b>% Approach</b>	40.9%	53.0%	6.1%	0%	-	0.2%	48.5%	51.3%	0%	-	87.9%	1.2%	10.9%	0%	-	12.6%	86.4%	0.9%	0%	-	-
<b>% Total</b>	0.3%	0.3%	0%	0%	0.6%	0.1%	23.1%	24.4%	0%	47.6%	24.4%	0.3%	3.0%	0%	27.8%	3.0%	20.8%	0.2%	0%	24.0%	-
<b>Lights</b>	26	33	3	0	62	8	2262	2483	0	4753	2469	35	307	0	2811	311	2038	23	0	2372	9998
<b>% Lights</b>	96.3%	94.3%	75.0%	0%	93.9%	88.9%	93.2%	96.8%	0%	95.0%	96.2%	97.2%	96.5%	0%	96.2%	97.5%	93.3%	95.8%	0%	93.8%	95.1%
<b>Single-Unit Trucks</b>	0	2	1	0	3	1	116	73	0	190	85	0	9	0	94	8	103	1	0	112	399
<b>% Single-Unit Trucks</b>	0%	5.7%	25.0%	0%	4.5%	11.1%	4.8%	2.8%	0%	3.8%	3.3%	0%	2.8%	0%	3.2%	2.5%	4.7%	4.2%	0%	4.4%	3.8%
<b>Articulated Trucks</b>	1	0	0	0	1	0	46	10	0	56	12	1	1	0	14	0	43	0	0	43	114
<b>% Articulated Trucks</b>	3.7%	0%	0%	0%	1.5%	0%	1.9%	0.4%	0%	1.1%	0.5%	2.8%	0.3%	0%	0.5%	0%	2.0%	0%	0%	1.7%	1.1%
<b>Buses</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>% Buses</b>	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>Bicycles on Road</b>	0	0	0	0	0	0	3	0	0	3	1	0	1	0	2	0	1	0	0	1	6
<b>% Bicycles on Road</b>	0%	0%	0%	0%	0%	0%	0.1%	0%	0%	0.1%	0%	0%	0.3%	0%	0.1%	0%	0%	0%	0%	0%	0.1%

\*L: Left, R: Right, T: Thru, U: U-Turn

FM 1097 at Buffalo Springs Drive - TMC

Tue Jun 15, 2021

Full Length (6 AM-7 PM)

All Classes (Lights, Single-Unit Trucks, Articulated Trucks, Buses, Bicycles on Road)

All Movements

ID: 846402, Location: 30.404539, -95.688535

Item 4.

CJ Hensch & Associates, Inc.

Provided by: C. J. Hensch & Associates Inc.  
5215 Sycamore Ave., Pasadena, TX, 77503, US

[N] Buffalo Springs Dr

Total: 135

In: 66 Out: 69

27  
35

4

[W] FM 1097

Total: 5300

In: 2528 Out: 2772

24  
2185  
319

9

2427  
2566

Out: 4756 In: 5002

Total: 9758

[E] FM 1097

Out: 2920 In: 2921  
Total: 5841

[S] Buffalo Springs Dr

318

36

2567

FM 1097 at Buffalo Springs Drive - TMC

Tue Jun 15, 2021

AM Peak (8 AM - 9 AM)

All Classes (Lights, Single-Unit Trucks, Articulated Trucks, Buses, Bicycles on Road)

All Movements

ID: 846402, Location: 30.404539, -95.688535

Provided by: C. J. Hensch & Associates Inc.  
5215 Sycamore Ave.,  
Pasadena, TX, 77503, US

Leg Direction	Buffalo Springs Dr Southbound					FM 1097 Westbound					Buffalo Springs Dr Northbound					FM 1097 Eastbound					Int
	R	T	L	U	App	R	T	L	U	App	R	T	L	U	App	R	T	L	U	App	
2021-06-15 8:00AM	0	0	0	0	0	1	61	63	0	125	41	1	10	0	52	9	35	1	0	45	222
8:15AM	0	1	1	0	2	1	50	61	0	112	32	0	7	0	39	5	44	0	0	49	202
8:30AM	0	1	0	0	1	0	46	44	0	90	27	2	9	0	38	9	43	2	0	54	183
8:45AM	2	1	0	0	3	0	43	62	0	105	36	3	4	0	43	11	38	1	0	50	201
<b>Total</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>6</b>	<b>2</b>	<b>200</b>	<b>230</b>	<b>0</b>	<b>432</b>	<b>136</b>	<b>6</b>	<b>30</b>	<b>0</b>	<b>172</b>	<b>34</b>	<b>160</b>	<b>4</b>	<b>0</b>	<b>198</b>	<b>808</b>
<b>% Approach</b>	33.3%	50.0%	16.7%	0%	-	0.5%	46.3%	53.2%	0%	-	79.1%	3.5%	17.4%	0%	-	17.2%	80.8%	2.0%	0%	-	-
<b>% Total</b>	0.2%	0.4%	0.1%	0%	0.7%	0.2%	24.8%	28.5%	0%	53.5%	16.8%	0.7%	3.7%	0%	21.3%	4.2%	19.8%	0.5%	0%	24.5%	-
<b>PHF</b>	0.250	0.750	0.250	-	0.500	0.500	0.820	0.913	-	0.864	0.823	0.500	0.750	-	0.822	0.773	0.909	0.500	-	0.917	0.909
<b>Lights</b>	2	3	1	0	6	2	175	222	0	399	126	6	29	0	161	34	142	4	0	180	746
<b>% Lights</b>	100%	100%	100%	0%	100%	100%	87.5%	96.5%	0%	92.4%	92.6%	100%	96.7%	0%	93.6%	100%	88.8%	100%	0%	90.9%	92.3%
<b>Single-Unit Trucks</b>	0	0	0	0	0	0	14	8	0	22	7	0	1	0	8	0	11	0	0	11	41
<b>% Single-Unit Trucks</b>	0%	0%	0%	0%	0%	0%	7.0%	3.5%	0%	5.1%	5.1%	0%	3.3%	0%	4.7%	0%	6.9%	0%	0%	5.6%	5.1%
<b>Articulated Trucks</b>	0	0	0	0	0	0	11	0	0	11	2	0	0	0	2	0	7	0	0	7	20
<b>% Articulated Trucks</b>	0%	0%	0%	0%	0%	0%	5.5%	0%	0%	2.5%	1.5%	0%	0%	0%	1.2%	0%	4.4%	0%	0%	3.5%	2.5%
<b>Buses</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>% Buses</b>	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>Bicycles on Road</b>	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1
<b>% Bicycles on Road</b>	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.7%	0%	0%	0%	0.6%	0%	0%	0%	0%	0%	0.1%

\*L: Left, R: Right, T: Thru, U: U-Turn

**FM 1097 at Buffalo Springs Drive - TMC**

Tue Jun 15, 2021

AM Peak (8 AM - 9 AM)

All Classes (Lights, Single-Unit Trucks, Articulated Trucks, Buses, Bicycles on Road)

All Movements

ID: 846402, Location: 30.404539, -95.688535

Item 4.

**CJ Hensch & Associates, Inc.**

Provided by: C. J. Hensch & Associates Inc.  
5215 Sycamore Ave., Pasadena, TX, 77503, US

**[N] Buffalo Springs Dr**

Total: 18

In: 6 Out: 12

23

1

**[W] FM 1097**

Total: 430

In: 198 Out: 232

4

160

34

2

200

230

Out: 297 In: 432

Total: 729

**[E] FM 1097**

30

6

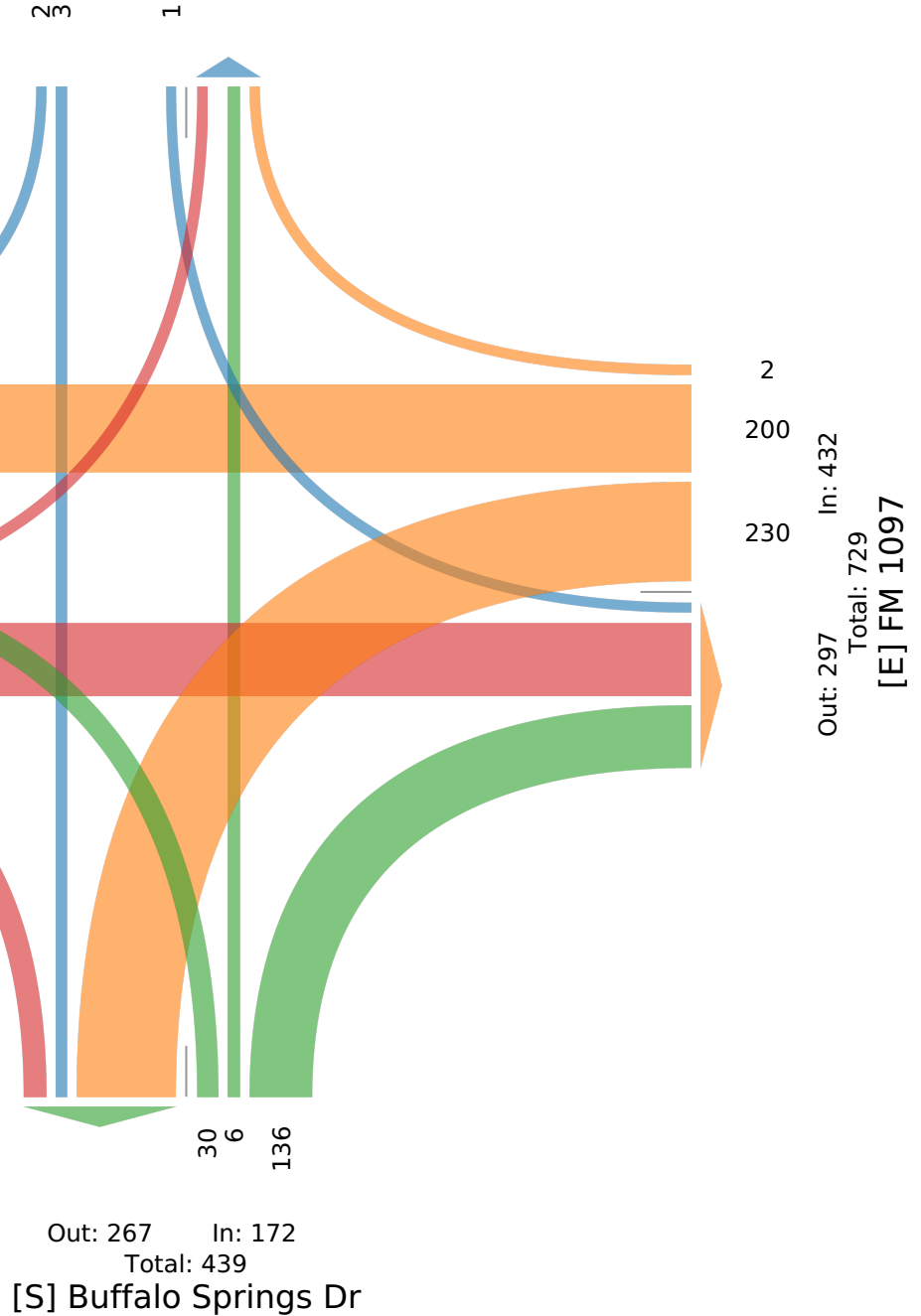
136

Out: 267

In: 172

Total: 439

**[S] Buffalo Springs Dr**





**FM 1097 at Buffalo Springs Drive - TMC**

Tue Jun 15, 2021

Midday Peak (12 PM - 1 PM)

All Classes (Lights, Single-Unit Trucks, Articulated Trucks, Buses, Bicycles on Road)

All Movements

ID: 846402, Location: 30.404539, -95.688535

Provided by: C. J. Hensch & Associates Inc.  
5215 Sycamore Ave.,  
Pasadena, TX, 77503, US

Leg Direction	Buffalo Springs Dr Southbound					FM 1097 Westbound					Buffalo Springs Dr Northbound					FM 1097 Eastbound					Int
Time	R	T	L	U	App	R	T	L	U	App	R	T	L	U	App	R	T	L	U	App	Int
2021-06-15 12:00PM	0	1	0	0	1	0	54	43	0	97	63	0	11	0	74	6	35	1	0	42	214
12:15PM	1	2	0	0	3	0	43	52	0	95	60	3	7	0	70	10	41	0	0	51	219
12:30PM	0	1	0	0	1	0	42	59	0	101	64	0	5	0	69	5	35	0	0	40	211
12:45PM	0	1	0	0	1	0	44	72	0	116	61	3	5	0	69	5	49	1	0	55	241
<b>Total</b>	1	5	0	0	6	0	183	226	0	409	248	6	28	0	282	26	160	2	0	188	885
<b>% Approach</b>	16.7%	83.3%	0%	0%	-	0%	44.7%	55.3%	0%	-	87.9%	2.1%	9.9%	0%	-	13.8%	85.1%	1.1%	0%	-	-
<b>% Total</b>	0.1%	0.6%	0%	0%	0.7%	0%	20.7%	25.5%	0%	46.2%	28.0%	0.7%	3.2%	0%	31.9%	2.9%	18.1%	0.2%	0%	21.2%	-
<b>PHF</b>	0.250	0.625	-	-	0.500	-	0.847	0.785	-	0.881	0.969	0.500	0.636	-	0.953	0.650	0.816	0.500	-	0.855	0.918
<b>Lights</b>	1	5	0	0	6	0	167	215	0	382	234	6	27	0	267	25	149	1	0	175	830
<b>% Lights</b>	100%	100%	0%	0%	100%	0%	91.3%	95.1%	0%	93.4%	94.4%	100%	96.4%	0%	94.7%	96.2%	93.1%	50.0%	0%	93.1%	93.8%
<b>Single-Unit Trucks</b>	0	0	0	0	0	0	12	9	0	21	13	0	1	0	14	1	9	1	0	11	46
<b>% Single-Unit Trucks</b>	0%	0%	0%	0%	0%	0%	6.6%	4.0%	0%	5.1%	5.2%	0%	3.6%	0%	5.0%	3.8%	5.6%	50.0%	0%	5.9%	5.2%
<b>Articulated Trucks</b>	0	0	0	0	0	0	4	2	0	6	1	0	0	0	1	0	2	0	0	2	9
<b>% Articulated Trucks</b>	0%	0%	0%	0%	0%	0%	2.2%	0.9%	0%	1.5%	0.4%	0%	0%	0%	0.4%	0%	1.3%	0%	0%	1.1%	1.0%
<b>Buses</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>% Buses</b>	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>Bicycles on Road</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>% Bicycles on Road</b>	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

\*L: Left, R: Right, T: Thru, U: U-Turn

FM 1097 at Buffalo Springs Drive - TMC

Tue Jun 15, 2021

Midday Peak (12 PM - 1 PM)

All Classes (Lights, Single-Unit Trucks, Articulated Trucks, Buses, Bicycles on Road)

All Movements

ID: 846402, Location: 30.404539, -95.688535

Item 4.

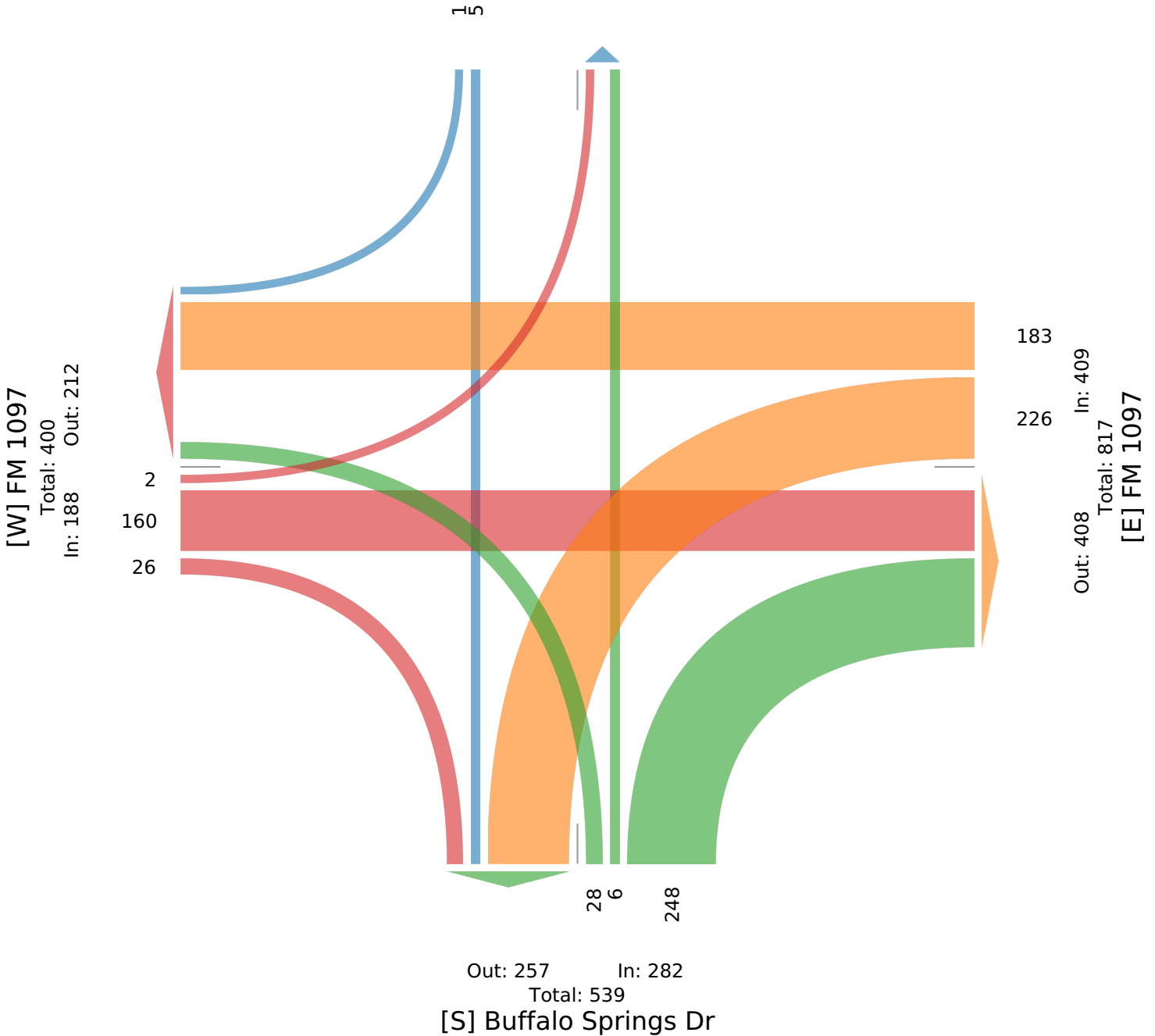
CJ Hensch & Associates, Inc.

Provided by: C. J. Hensch & Associates Inc.  
5215 Sycamore Ave., Pasadena, TX, 77503, US

[N] Buffalo Springs Dr

Total: 14

In: 6 Out: 8



**FM 1097 at Buffalo Springs Drive - TMC**

Tue Jun 15, 2021

PM Peak (4:30 PM - 5:30 PM) - Overall Peak Hour

All Classes (Lights, Single-Unit Trucks, Articulated Trucks, Buses, Bicycles on Road)

All Movements

ID: 846402, Location: 30.404539, -95.688535

Provided by: C. J. Hensch & Associates Inc.  
5215 Sycamore Ave.,  
Pasadena, TX, 77503, US

Leg Direction	Buffalo Springs Dr Southbound					FM 1097 Westbound					Buffalo Springs Dr Northbound					FM 1097 Eastbound					
Time	R	T	L	U	App	R	T	L	U	App	R	T	L	U	App	R	T	L	U	App	Int
2021-06-15 4:30PM	1	1	0	0	2	0	49	56	0	105	67	1	9	0	77	7	62	2	0	71	255
4:45PM	1	1	0	0	2	0	51	50	0	101	62	1	10	0	73	12	51	0	0	63	239
5:00PM	3	0	0	0	3	0	68	63	0	131	70	0	5	0	75	9	53	0	0	62	271
5:15PM	2	0	0	0	2	1	59	63	0	123	67	1	5	0	73	4	76	1	0	81	279
<b>Total</b>	7	2	0	0	9	1	227	232	0	460	266	3	29	0	298	32	242	3	0	277	1044
<b>% Approach</b>	77.8%	22.2%	0%	0%	-	0.2%	49.3%	50.4%	0%	-	89.3%	1.0%	9.7%	0%	-	11.6%	87.4%	1.1%	0%	-	-
<b>% Total</b>	0.7%	0.2%	0%	0%	0.9%	0.1%	21.7%	22.2%	0%	44.1%	25.5%	0.3%	2.8%	0%	28.5%	3.1%	23.2%	0.3%	0%	26.5%	-
<b>PHF</b>	0.583	0.500	-	-	0.750	0.250	0.835	0.921	-	0.878	0.950	0.750	0.725	-	0.968	0.667	0.796	0.375	-	0.855	0.935
<b>Lights</b>	7	2	0	0	9	1	217	228	0	446	261	3	29	0	293	31	236	3	0	270	1018
<b>% Lights</b>	100%	100%	0%	0%	100%	100%	95.6%	98.3%	0%	97.0%	98.1%	100%	100%	0%	98.3%	96.9%	97.5%	100%	0%	97.5%	97.5%
<b>Single-Unit Trucks</b>	0	0	0	0	0	0	8	4	0	12	5	0	0	0	5	1	5	0	0	6	23
<b>% Single-Unit Trucks</b>	0%	0%	0%	0%	0%	0%	3.5%	1.7%	0%	2.6%	1.9%	0%	0%	0%	1.7%	3.1%	2.1%	0%	0%	2.2%	2.2%
<b>Articulated Trucks</b>	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	3
<b>% Articulated Trucks</b>	0%	0%	0%	0%	0%	0%	0.9%	0%	0%	0.4%	0%	0%	0%	0%	0%	0%	0.4%	0%	0%	0.4%	0.3%
<b>Buses</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>% Buses</b>	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>Bicycles on Road</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>% Bicycles on Road</b>	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

\*L: Left, R: Right, T: Thru, U: U-Turn

**FM 1097 at Buffalo Springs Drive - TMC**

Tue Jun 15, 2021

PM Peak (4:30 PM - 5:30 PM) - Overall Peak Hour

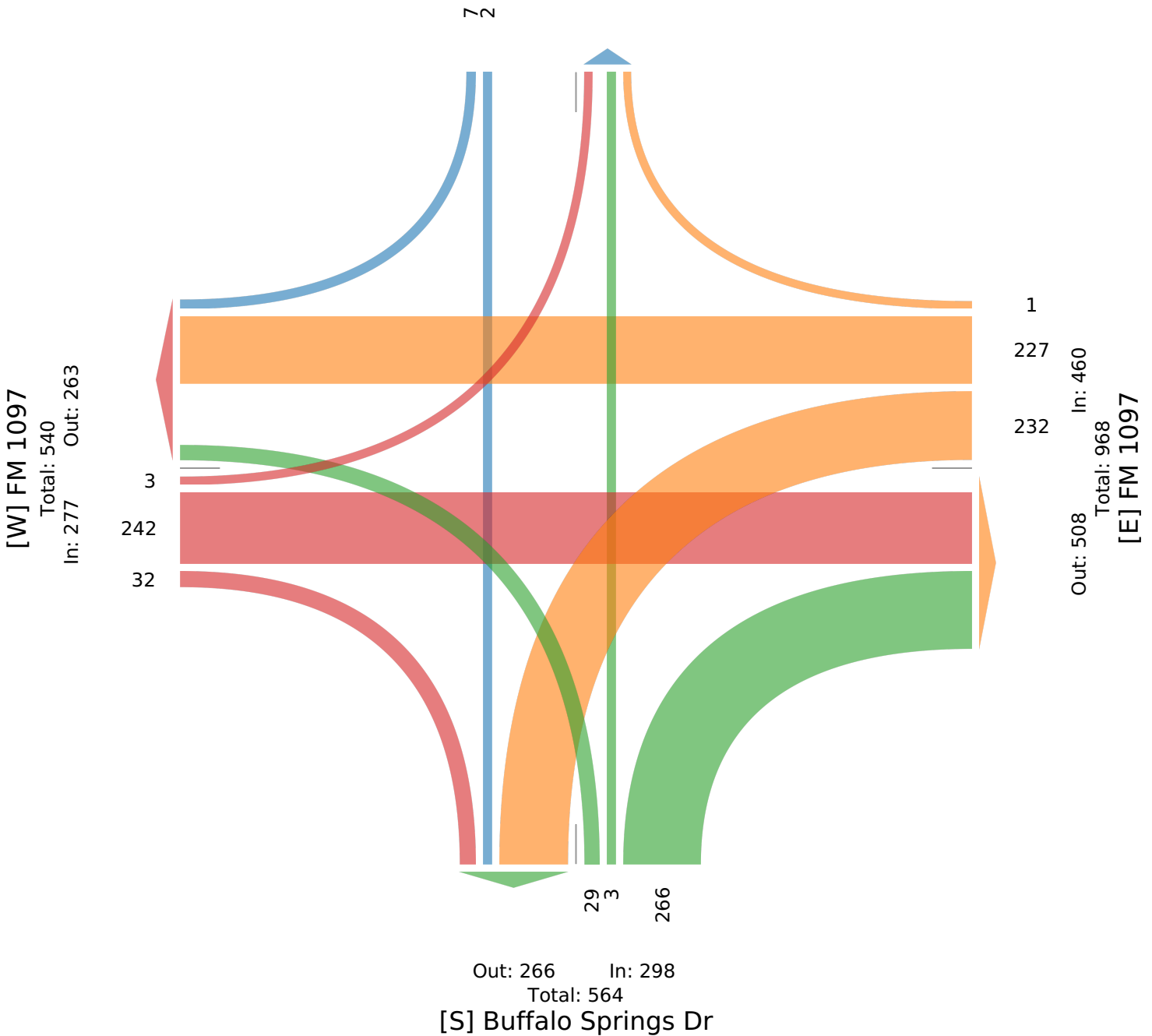
All Classes (Lights, Single-Unit Trucks, Articulated Trucks, Buses, Bicycles on Road)

All Movements

ID: 846402, Location: 30.404539, -95.688535

**[N] Buffalo Springs Dr**

Total: 16  
In: 9 Out: 7



## **Appendix B Crash Data**

All crash data available using this tool represents reportable data collected from Texas Peace Officer's Crash Reports (CR-3) received and processed by the Texas Department of Transportation (Department) as of 06/10/2021. The Department makes no warranty, representation or guaranty as to the content, accuracy, timeliness or completeness of any of the information provided as a result of your query. Any opinions and conclusions resulting from analysis performed on the crash data must be

Query Result Counts:

Your query returned a total of 6 Crashes containing 10 Units and 17 Person:

Filters Applied to current Query:

Crash Year Is In 2015 or 2016 or 2017 or 2018 or 2019 or 2020

Crash ID	Crash Severity	Crash Year	Highway Number	Highway System	Intersecting Street Name	Intersection Related	Latitude	Longitude	Street Name	Weather Condition
14458317	N - NOT INJURED	2015	1097	FARM TO MARKET	N/A	NON INTERSECTION	30.404474	-95.6887	FM1097	2 - CLOUDY
14867114	C - POSSIBLE INJURY	2016	1097	FARM TO MARKET	N/A	NON INTERSECTION	30.40440788	-95.6888	FM1097	1 - CLEAR
15212977	N - NOT INJURED	2016	1097	FARM TO MARKET	BUFFALO SPRINGS DR	INTERSECTION	30.40454889	-95.6886	FM1097	2 - CLOUDY
15272371	B - SUSPECTED MINOR INJURY	2016	1097	FARM TO MARKET	BUFFALO SPRINGS DR	INTERSECTION	30.40454889	-95.6886	FM1097	1 - CLEAR
17280051	N - NOT INJURED	2019	1097	FARM TO MARKET	BUFFALO SPRINGS DR	INTERSECTION RELATED	30.40454889	-95.6886	FM1097	2 - CLOUDY
17390181	N - NOT INJURED	2019	1097	FARM TO MARKET	BUFFALO SPRINGS DR	INTERSECTION	30.40454889	-95.6886	FM1097	1 - CLEAR

**Appendix C**  
**Traffic Signal Warrant Analysis – 2021 Existing**  
**Conditions**

# Warrants Summary Report

1: FM 1097 at Buffalo Springs Dr

## Intersection Information

	Major Street	Minor Street
Street Name	FM 1097	Summit Park Dr
Direction	EB/WB	NB/SB
Number of Lanes	2	2
Approach Speed	55	30

Warrant	Met?	Notes
<b>Warrant 1, Eight-Hour Vehicular Volume</b>		
	Yes	
Condition A or B Met?	Yes	11 Hours met (8 required)
Condition A and B Met?	Yes	12 Hours met (8 required)
<b>Warrant 2, Four-Hour Vehicular Volume</b>		
	Yes	10 Hours met (4 required)
<b>Warrant 3, Peak Hour</b>		
	Yes	
Condition A Met?	No	0 Hours met (1 required)
Condition B Met?	Yes	2 Hours met (1 required)
<b>Warrant 7, Crash Experience</b>		
	No	
Traffic Volume Conditio	Yes	12 Hours met (8 required)
Ped Condition?	No	0 Hours met (8 required)



# Warrant 1: Eight-hour Vehicular Volume

## 1: FM 1097 at Buffalo Springs Dr

### Intersection Information

Major Street Name: FM 1097  
 Major Street Direction: EB/WB  
 Minor Street Direction: NB/SB

**WARRANT 1 MET? Yes**

### Details:

Condition A Met? **Yes** 11 Hours met (8 required)  
 Condition B Met? **Yes** 12 Hours met (8 required)

Hour	Major Street Vehicles (Total of Both Approaches)	High Volume Minor Approach Vehicles	70% Standard Met? Cond. A OR Cond. B		56% Standard Met? Cond. A AND Cond. B	
			Condition A 70% Column	Condition B 70% Column	Condition A 56% Column	Condition B 56% Column
<b>06:00 to 07:00</b>	<b>335</b>	<b>49</b>	No	No	No	No
Condition A	Volume >= 70% column (420)?	No	Volume >= 70% column (630)?	No		
	Volume >= 56% column (336)?	No	Volume >= 56% column (504)?	No		
Condition B	Volume >= 70% column (630)?	No	Volume >= 70% column (70)?	No		
	Volume >= 56% column (504)?	No	Volume >= 56% column (56)?	No		
<b>06:15 to 07:15</b>	<b>442</b>	<b>57</b>	No	No	No	No
Condition A	Volume >= 70% column (420)?	Yes	Volume >= 70% column (630)?	No		
	Volume >= 56% column (336)?	Yes	Volume >= 56% column (504)?	No		
Condition B	Volume >= 70% column (630)?	No	Volume >= 70% column (70)?	No		
	Volume >= 56% column (504)?	No	Volume >= 56% column (56)?	Yes		
<b>06:30 to 07:30</b>	<b>501</b>	<b>73</b>	No	No	No	No
Condition A	Volume >= 70% column (420)?	Yes	Volume >= 70% column (630)?	No		
	Volume >= 56% column (336)?	Yes	Volume >= 56% column (504)?	No		
Condition B	Volume >= 70% column (630)?	No	Volume >= 70% column (70)?	Yes		
	Volume >= 56% column (504)?	No	Volume >= 56% column (56)?	Yes		
<b>06:45 to 07:45</b>	<b>568</b>	<b>100</b>	No	No	No	Yes
Condition A	Volume >= 70% column (420)?	Yes	Volume >= 70% column (630)?	No		
	Volume >= 56% column (336)?	Yes	Volume >= 56% column (504)?	No		
Condition B	Volume >= 70% column (630)?	No	Volume >= 70% column (70)?	Yes		
	Volume >= 56% column (504)?	Yes	Volume >= 56% column (56)?	Yes		

<b>07:00 to 08:00</b>		<b>596</b>		<b>117</b>	<b>No</b>	<b>No</b>	<b>Yes*</b>	<b>Yes*</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>No</b>				
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>				
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>				
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>				

<b>07:15 to 08:15</b>		<b>620</b>		<b>151</b>	<b>Yes*</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>				
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>				
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>				
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>				

<b>07:30 to 08:30</b>		<b>637</b>		<b>159</b>	<b>Yes</b>	<b>Yes*</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>				
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>				
Condition B	Volume >= 70% column (630)?	<b>Yes</b>	Volume >= 70% column (70)?	<b>Yes</b>				
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>				

<b>07:45 to 08:45</b>		<b>622</b>		<b>162</b>	<b>Yes</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>				
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>				
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>				
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>				

<b>08:00 to 09:00</b>		<b>630</b>		<b>171</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes*</b>	<b>Yes*</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>				
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>				
Condition B	Volume >= 70% column (630)?	<b>Yes</b>	Volume >= 70% column (70)?	<b>Yes</b>				
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>				

<b>08:15 to 09:15</b>		<b>588</b>		<b>163</b>	<b>Yes*</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>				
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>				
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>				
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>				

<b>08:30 to 09:30</b>		<b>564</b>		<b>163</b>	<b>Yes</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>				
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>				
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>				
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>				

<b>08:45 to 09:45</b>		<b>574</b>		<b>170</b>	<b>Yes</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>				
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>				
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>				
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>				

<b>09:00 to 10:00</b>		<b>554</b>		<b>182</b>	<b>Yes</b>	<b>No</b>	<b>Yes*</b>	<b>Yes*</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>				
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>				
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>				
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>				

<b>09:15 to 10:15</b>		<b>547</b>		<b>185</b>	<b>Yes*</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>				
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>				
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>				
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>				

<b>09:30 to 10:30</b>		<b>542</b>		<b>201</b>	<b>Yes</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>				
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>				
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>				
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>				

<b>09:45 to 10:45</b>		<b>517</b>		<b>209</b>	<b>Yes</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>				
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>				
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>				
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>				

<b>10:00 to 11:00</b>	<b>536</b>	<b>207</b>	<b>Yes</b>	<b>No</b>	<b>Yes*</b>	<b>Yes*</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>		
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>		
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>		
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>		

<b>10:15 to 11:15</b>	<b>556</b>	<b>223</b>	<b>Yes*</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>		
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>		
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>		
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>		

<b>10:30 to 11:30</b>	<b>549</b>	<b>212</b>	<b>Yes</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>		
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>		
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>		
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>		

<b>10:45 to 11:45</b>	<b>567</b>	<b>222</b>	<b>Yes</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>		
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>		
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>		
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>		

<b>11:00 to 12:00</b>	<b>581</b>	<b>225</b>	<b>Yes</b>	<b>No</b>	<b>Yes*</b>	<b>Yes*</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>		
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>		
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>		
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>		

<b>11:15 to 12:15</b>	<b>579</b>	<b>236</b>	<b>Yes*</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>		
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>		
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>		
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>		

<b>11:30 to 12:30</b>	<b>600</b>		<b>262</b>	<b>Yes</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>			
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>			
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>			
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>			

<b>11:45 to 12:45</b>	<b>594</b>		<b>268</b>	<b>Yes</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>			
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>			
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>			
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>			

<b>12:00 to 13:00</b>	<b>597</b>		<b>282</b>	<b>Yes</b>	<b>No</b>	<b>Yes*</b>	<b>Yes*</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>			
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>			
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>			
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>			

<b>12:15 to 13:15</b>	<b>595</b>		<b>278</b>	<b>Yes*</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>			
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>			
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>			
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>			

<b>12:30 to 13:30</b>	<b>601</b>		<b>279</b>	<b>Yes</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>			
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>			
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>			
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>			

<b>12:45 to 13:45</b>	<b>597</b>		<b>284</b>	<b>Yes</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>			
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>			
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>			
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>			

<b>13:00 to 14:00</b>	<b>563</b>	<b>288</b>	<b>Yes</b>	<b>No</b>	<b>Yes*</b>	<b>Yes*</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>		
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>		
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>		
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>		

<b>13:15 to 14:15</b>	<b>568</b>	<b>291</b>	<b>Yes*</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>		
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>		
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>		
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>		

<b>13:30 to 14:30</b>	<b>568</b>	<b>303</b>	<b>Yes</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>		
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>		
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>		
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>		

<b>13:45 to 14:45</b>	<b>569</b>	<b>288</b>	<b>Yes</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>		
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>		
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>		
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>		

<b>14:00 to 15:00</b>	<b>583</b>	<b>280</b>	<b>Yes</b>	<b>No</b>	<b>Yes*</b>	<b>Yes*</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>		
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>		
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>		
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>		

<b>14:15 to 15:15</b>	<b>598</b>	<b>289</b>	<b>Yes*</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>		
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>		
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>		
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>		

<b>14:30 to 15:30</b>	<b>595</b>	<b>276</b>	Yes	No	Yes	Yes
Condition A	Volume >= 70% column (420)?	Yes	Volume >= 70% column (630)?	Yes		
	Volume >= 56% column (336)?	Yes	Volume >= 56% column (504)?	Yes		
Condition B	Volume >= 70% column (630)?	No	Volume >= 70% column (70)?	Yes		
	Volume >= 56% column (504)?	Yes	Volume >= 56% column (56)?	Yes		

<b>14:45 to 15:45</b>	<b>616</b>	<b>277</b>	Yes	No	Yes	Yes
Condition A	Volume >= 70% column (420)?	Yes	Volume >= 70% column (630)?	Yes		
	Volume >= 56% column (336)?	Yes	Volume >= 56% column (504)?	Yes		
Condition B	Volume >= 70% column (630)?	No	Volume >= 70% column (70)?	Yes		
	Volume >= 56% column (504)?	Yes	Volume >= 56% column (56)?	Yes		

<b>15:00 to 16:00</b>	<b>618</b>	<b>295</b>	Yes	No	Yes*	Yes*
Condition A	Volume >= 70% column (420)?	Yes	Volume >= 70% column (630)?	Yes		
	Volume >= 56% column (336)?	Yes	Volume >= 56% column (504)?	Yes		
Condition B	Volume >= 70% column (630)?	No	Volume >= 70% column (70)?	Yes		
	Volume >= 56% column (504)?	Yes	Volume >= 56% column (56)?	Yes		

<b>15:15 to 16:15</b>	<b>605</b>	<b>285</b>	Yes*	No	Yes	Yes
Condition A	Volume >= 70% column (420)?	Yes	Volume >= 70% column (630)?	Yes		
	Volume >= 56% column (336)?	Yes	Volume >= 56% column (504)?	Yes		
Condition B	Volume >= 70% column (630)?	No	Volume >= 70% column (70)?	Yes		
	Volume >= 56% column (504)?	Yes	Volume >= 56% column (56)?	Yes		

<b>15:30 to 16:30</b>	<b>635</b>	<b>267</b>	Yes	Yes*	Yes	Yes
Condition A	Volume >= 70% column (420)?	Yes	Volume >= 70% column (630)?	Yes		
	Volume >= 56% column (336)?	Yes	Volume >= 56% column (504)?	Yes		
Condition B	Volume >= 70% column (630)?	Yes	Volume >= 70% column (70)?	Yes		
	Volume >= 56% column (504)?	Yes	Volume >= 56% column (56)?	Yes		

<b>15:45 to 16:45</b>	<b>652</b>	<b>284</b>	Yes	Yes	Yes	Yes
Condition A	Volume >= 70% column (420)?	Yes	Volume >= 70% column (630)?	Yes		
	Volume >= 56% column (336)?	Yes	Volume >= 56% column (504)?	Yes		
Condition B	Volume >= 70% column (630)?	Yes	Volume >= 70% column (70)?	Yes		
	Volume >= 56% column (504)?	Yes	Volume >= 56% column (56)?	Yes		

<b>16:00 to 17:00</b>	<b>663</b>	<b>274</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes*</b>	<b>Yes*</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>		
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>		
Condition B	Volume >= 70% column (630)?	<b>Yes</b>	Volume >= 70% column (70)?	<b>Yes</b>		
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>		

<b>16:15 to 17:15</b>	<b>712</b>	<b>277</b>	<b>Yes*</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>		
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>		
Condition B	Volume >= 70% column (630)?	<b>Yes</b>	Volume >= 70% column (70)?	<b>Yes</b>		
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>		

<b>16:30 to 17:30</b>	<b>737</b>	<b>298</b>	<b>Yes</b>	<b>Yes*</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>		
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>		
Condition B	Volume >= 70% column (630)?	<b>Yes</b>	Volume >= 70% column (70)?	<b>Yes</b>		
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>		

<b>16:45 to 17:45</b>	<b>731</b>	<b>296</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>		
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>		
Condition B	Volume >= 70% column (630)?	<b>Yes</b>	Volume >= 70% column (70)?	<b>Yes</b>		
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>		

<b>17:00 to 18:00</b>	<b>717</b>	<b>286</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes*</b>	<b>Yes*</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>		
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>		
Condition B	Volume >= 70% column (630)?	<b>Yes</b>	Volume >= 70% column (70)?	<b>Yes</b>		
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>		

<b>17:15 to 18:15</b>	<b>699</b>	<b>278</b>	<b>Yes*</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>		
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>		
Condition B	Volume >= 70% column (630)?	<b>Yes</b>	Volume >= 70% column (70)?	<b>Yes</b>		
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>		



<b>17:30 to 18:30</b>		<b>657</b>		<b>283</b>	<b>Yes</b>	<b>Yes*</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>				
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>				
Condition B	Volume >= 70% column (630)?	<b>Yes</b>	Volume >= 70% column (70)?	<b>Yes</b>				
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>				

<b>17:45 to 18:45</b>		<b>599</b>		<b>278</b>	<b>Yes</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>				
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>				
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>				
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>				

<b>18:00 to 19:00</b>		<b>553</b>		<b>263</b>	<b>Yes</b>	<b>No</b>	<b>Yes*</b>	<b>Yes*</b>
Condition A	Volume >= 70% column (420)?	<b>Yes</b>	Volume >= 70% column (630)?	<b>Yes</b>				
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>				
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>				
	Volume >= 56% column (504)?	<b>Yes</b>	Volume >= 56% column (56)?	<b>Yes</b>				

<b>18:15 to 19:15</b>		<b>378</b>		<b>196</b>	<b>No</b>	<b>No</b>	<b>Yes</b>	<b>No</b>
Condition A	Volume >= 70% column (420)?	<b>No</b>	Volume >= 70% column (630)?	<b>Yes</b>				
	Volume >= 56% column (336)?	<b>Yes</b>	Volume >= 56% column (504)?	<b>Yes</b>				
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>				
	Volume >= 56% column (504)?	<b>No</b>	Volume >= 56% column (56)?	<b>Yes</b>				

<b>18:30 to 19:30</b>		<b>216</b>		<b>118</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
Condition A	Volume >= 70% column (420)?	<b>No</b>	Volume >= 70% column (630)?	<b>No</b>				
	Volume >= 56% column (336)?	<b>No</b>	Volume >= 56% column (504)?	<b>Yes</b>				
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>Yes</b>				
	Volume >= 56% column (504)?	<b>No</b>	Volume >= 56% column (56)?	<b>Yes</b>				

<b>18:45 to 19:45</b>		<b>104</b>		<b>48</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
Condition A	Volume >= 70% column (420)?	<b>No</b>	Volume >= 70% column (630)?	<b>No</b>				
	Volume >= 56% column (336)?	<b>No</b>	Volume >= 56% column (504)?	<b>No</b>				
Condition B	Volume >= 70% column (630)?	<b>No</b>	Volume >= 70% column (70)?	<b>No</b>				
	Volume >= 56% column (504)?	<b>No</b>	Volume >= 56% column (56)?	<b>No</b>				

## Warrant 2: Four-hour Vehicular Volume

### 1: FM 1097 at Buffalo Springs Dr

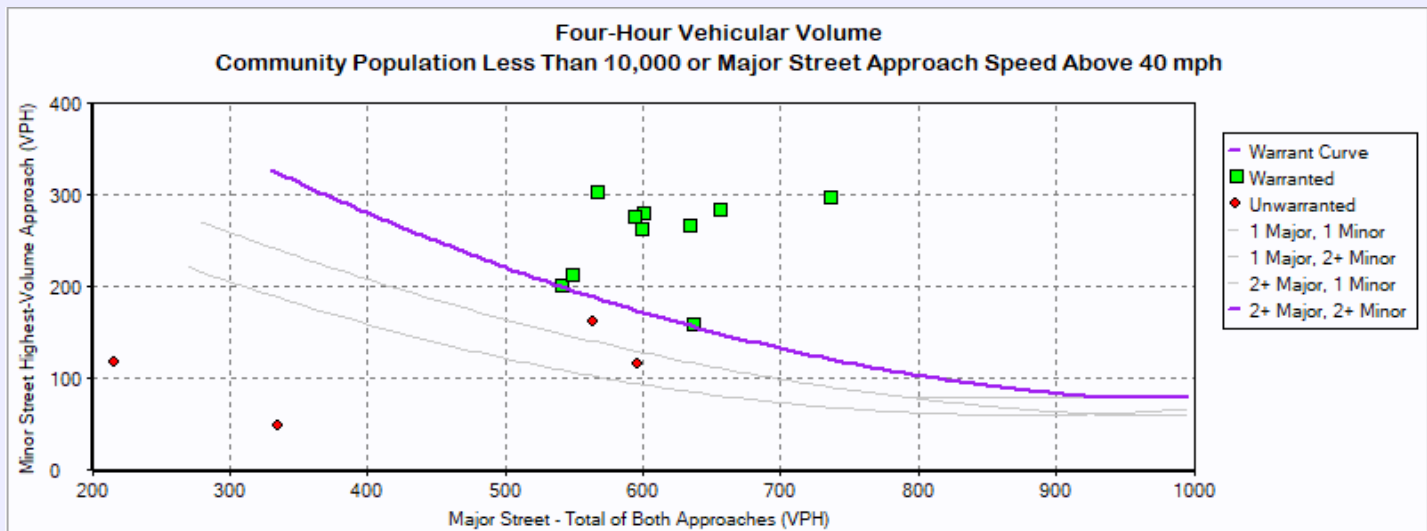
#### Intersection Information

	Major Street	Minor Street
Street Name	FM 1097	Summit Park Dr
Direction	EB/WB	NB/SB
Number of Lanes	2	2
Approach Speed	55	30

Warrant 2 Met? Yes

#### Details:

Notes	10 Hours met (4 required)
Low population	No



## Hourly Volumes

Hour	Major Street Total All Approaches (vph)	Minor Street Highest Volume Approach (vph)
00:00:00 - 01:00:00	0.00	0.00
01:00:00 - 02:00:00	0.00	0.00
02:00:00 - 03:00:00	0.00	0.00
03:00:00 - 04:00:00	0.00	0.00
04:00:00 - 05:00:00	0.00	0.00
05:00:00 - 06:00:00	0.00	0.00
06:00:00 - 07:00:00	335.00	49.00
07:00:00 - 08:00:00	596.00	117.00
08:00:00 - 09:00:00	630.00	171.00
09:00:00 - 10:00:00	554.00	182.00
10:00:00 - 11:00:00	536.00	207.00
11:00:00 - 12:00:00	581.00	225.00
12:00:00 - 13:00:00	597.00	282.00
13:00:00 - 14:00:00	563.00	288.00
14:00:00 - 15:00:00	583.00	280.00
15:00:00 - 16:00:00	618.00	295.00
16:00:00 - 17:00:00	663.00	274.00
17:00:00 - 18:00:00	717.00	286.00
18:00:00 - 19:00:00	553.00	263.00
19:00:00 - 20:00:00	0.00	0.00
20:00:00 - 21:00:00	0.00	0.00
21:00:00 - 22:00:00	0.00	0.00
22:00:00 - 23:00:00	0.00	0.00
23:00:00 - 00:00:00	0.00	0.00

## Warranted Volumes

<b>Hour</b>	<b>Major Street Total All Approaches (vph)</b>	<b>Minor Street Highest Volume Approach (vph)</b>
07:30:00 - 08:30:00	637.00	159.00
09:30:00 - 10:30:00	542.00	201.00
10:30:00 - 11:30:00	549.00	212.00
11:30:00 - 12:30:00	600.00	262.00
12:30:00 - 13:30:00	601.00	279.00
13:30:00 - 14:30:00	568.00	303.00
14:30:00 - 15:30:00	595.00	276.00
15:30:00 - 16:30:00	635.00	267.00
16:30:00 - 17:30:00	737.00	298.00
17:30:00 - 18:30:00	657.00	283.00

### Warrant 3: Peak Hour

1: FM 1097 at Buffalo Springs Dr

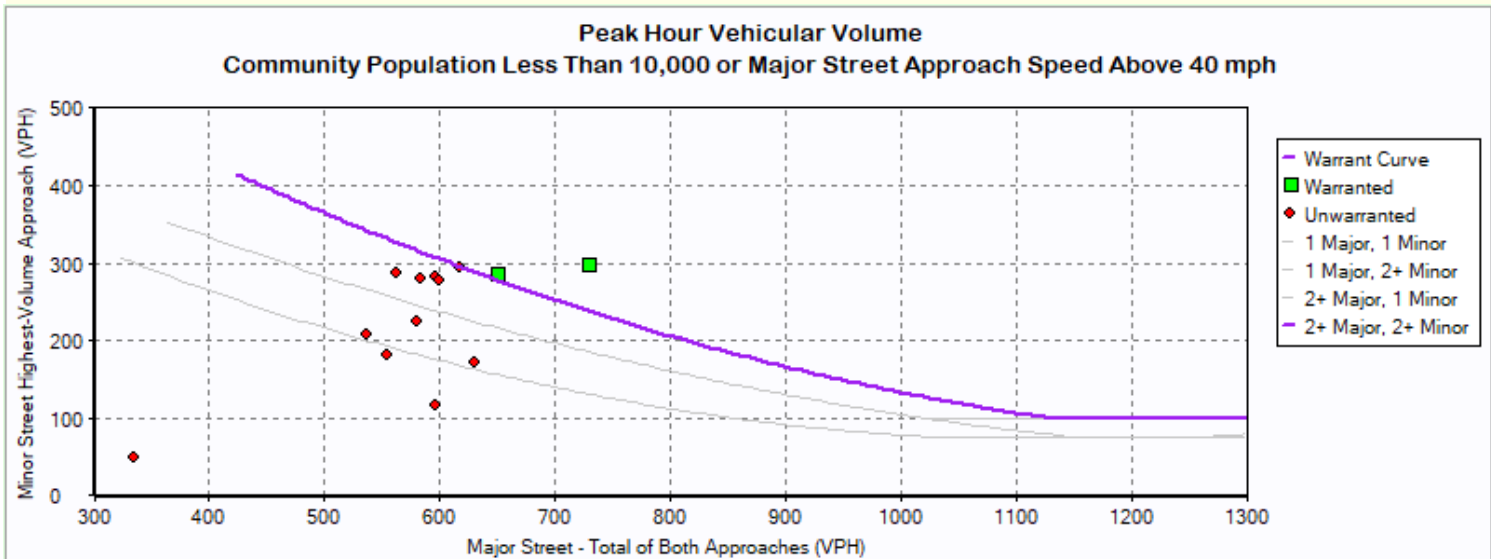
#### Intersection Information

	Major Street	Minor Street
Street Name	FM 1097	Summit Park Dr
Direction	EB/WB	NB/SB
Number of Lanes	2	2
Approach Speed	55	30

Warrant 3 Met? Yes

#### Details

Low Population?	<span style="background-color: #FF6347;">No</span>	Condition B Met?	<span style="background-color: #90EE90;">Yes</span>
Condition A Met?	<span style="background-color: #FF6347;">No</span>	Notes	2 Hours met (1 required)
Notes	0 Hours met (1 required)	Minor Approach Time Delay Condition Met?	<span style="background-color: #FF6347;">Not Met</span>
Minor Approach Volume Condition Met?	<span style="background-color: #90EE90;">Met</span>	Total Entering Intersection Volume Condition Met?	<span style="background-color: #FF6347;">Not Met</span>



<b>Hour</b>	<b>Major Street</b> Total All Approaches (vph)	<b>Minor Street</b> Highest Volume Approach (vph)
6:00	335	49
7:00	596	117
8:00	630	171
9:00	554	182
10:00	536	207
11:00	581	225
12:00	597	282
13:00	563	288
14:00	583	280
15:00	618	295
15:45	652	284
16:45	731	296
17:45	599	278
18:45	104	48

## Warrant 7: Crash Experience

### 1: FM 1097 at Buffalo Springs Dr

#### Intersection Information

Major Street Name FM 1097  
 Major Street Direction EB/WB  
 Minor Street Direction NB/SB

**WARRANT 7 MET? No**

#### Details:

Low Population? **No** Traffic Volume Condition Met? **Yes**  
 Major Street Speed Limit 55 12 Hours Met (8 Required)  
 Major Street 85th-% tile Speed 0.00 Ped Volume Condition Met? **No**  
 0 Hours Met (8 Required)  
 Qualifying Crashes **2**  
 Adequate Alternative Trials? **No**

Hour	Traffic Volumes				Pedestrian Volumes			
	Major Street Vehicles	Minor Street Vehicles	80% Standard Met? A or B		Northbound Ped Volumes		Southbound Ped Volumes	
			Condition A	Condition B	Peds	> 80?	Peds	> 80?
06:00 to 07:00	335	0	No	No	0	<b>No</b>	0	No
06:15 to 07:15	442	0	No	No	0	<b>No</b>	0	No
06:30 to 07:30	501	0	No	No	0	<b>No</b>	0	No
06:45 to 07:45	568	0	No	No	0	<b>No</b>	0	No
07:00 to 08:00	596	0	No	No	0	<b>No</b>	0	No
07:15 to 08:15	620	0	No	No	0	<b>No</b>	0	No
07:30 to 08:30	637	0	No	No	0	<b>No</b>	0	No

07:45 to 08:45	622	0	No	No	0	No	0	No
08:00 to 09:00	630	0	No	No	0	No	0	No
08:15 to 09:15	588	0	No	No	0	No	0	No
08:30 to 09:30	564	0	No	No	0	No	0	No
08:45 to 09:45	574	0	No	No	0	No	0	No
09:00 to 10:00	554	0	No	No	0	No	0	No
09:15 to 10:15	547	0	No	No	0	No	0	No
09:30 to 10:30	542	0	No	No	0	No	0	No
09:45 to 10:45	517	0	No	No	0	No	0	No
10:00 to 11:00	536	0	No	No	0	No	0	No
10:15 to 11:15	556	0	No	No	0	No	0	No
10:30 to 11:30	549	0	No	No	0	No	0	No
10:45 to 11:45	567	0	No	No	0	No	0	No
11:00 to 12:00	581	0	No	No	0	No	0	No
11:15 to 12:15	579	0	No	No	0	No	0	No
11:30 to 12:30	600	0	No	No	0	No	0	No
11:45 to 12:45	594	0	No	No	0	No	0	No



12:00 to 13:00	597	0	No	No	0	No	0	No
12:15 to 13:15	595	0	No	No	0	No	0	No
12:30 to 13:30	601	0	No	No	0	No	0	No
12:45 to 13:45	597	0	No	No	0	No	0	No
13:00 to 14:00	563	0	No	No	0	No	0	No
13:15 to 14:15	568	0	No	No	0	No	0	No
13:30 to 14:30	568	0	No	No	0	No	0	No
13:45 to 14:45	569	0	No	No	0	No	0	No
14:00 to 15:00	583	0	No	No	0	No	0	No
14:15 to 15:15	598	0	No	No	0	No	0	No
14:30 to 15:30	595	0	No	No	0	No	0	No
14:45 to 15:45	616	0	No	No	0	No	0	No
15:00 to 16:00	618	0	No	No	0	No	0	No
15:15 to 16:15	605	0	No	No	0	No	0	No
15:30 to 16:30	635	0	No	No	0	No	0	No
15:45 to 16:45	652	0	No	No	0	No	0	No
16:00 to 17:00	663	0	No	No	0	No	0	No

16:15 to 17:15	712	0	No	No	0	No	0	No
16:30 to 17:30	737	0	No	No	0	No	0	No
16:45 to 17:45	731	0	No	No	0	No	0	No
17:00 to 18:00	717	0	No	No	0	No	0	No
17:15 to 18:15	699	0	No	No	0	No	0	No
17:30 to 18:30	657	0	No	No	0	No	0	No
17:45 to 18:45	599	0	No	No	0	No	0	No
18:00 to 19:00	553	0	No	No	0	No	0	No
18:15 to 19:15	378	0	No	No	0	No	0	No
18:30 to 19:30	216	0	No	No	0	No	0	No
18:45 to 19:45	104	0	No	No	0	No	0	No

Montgomery City Council  
**AGENDA REPORT**

<b>Meeting Date:</b> August 10, 2021	<b>Budgeted Amount:</b> N/A
<b>Department:</b> Admin	<b>Prepared By:</b> Dave McCorquodale

**Subject**

Consideration and possible action regarding acceptance of the FM 1097 and Buffalo Springs Drive Traffic Signal Warrant Analysis as performed by Jones | Carter, Inc.

**Recommendation**

Accept the study as presented.

Please note the City Council action of accepting a study is simply that—acknowledging receipt and acceptance of the study. It does not imply that the City or City Council agrees with or endorses the conclusions of any particular study. Acceptance of a study means the City Council believes the work included in the study to be done in accordance with good professional practices and standards.

**Discussion**

The study document is included with the previous agenda item.

<b>Approved By</b>		
Asst. City Administrator	Dave McCorquodale	Date: 08/05/2021
City Administrator	Richard Tramm	Date: 08/05/2021



August 5, 2021

The Honorable Mayor and City Council  
City of Montgomery  
101 Old Plantersville Road  
Montgomery, Texas 77316

Re: FM 1097 and Buffalo Springs Drive Traffic Signal Warrant Analysis  
City of Montgomery

Dear Mayor and Council:

As you are aware, Jones & Carter, Inc. performed a Traffic Signal Warrant Analysis (“the analysis”) at the intersection of FM 1097 and Buffalo Springs Drive. We have reviewed the results of the analysis and offer no objections. We recommend the City accept the analysis as presented by Jones & Carter, Inc. and begin conversations with TxDOT regarding installation of a traffic signal at the intersection of FM 1097 and Buffalo Springs Drive.

If you have any questions or comments, please do not hesitate to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Chris Roznovsky". The signature is fluid and cursive.

Chris Roznovsky, PE  
Engineer for the City

CVR/kmv

Z:\00574 (City of Montgomery)\\_900 General Consultation\Correspondence\Letters\2021.08.05 MEMO to Council RE FM 1097 TSWA Acceptance Memo.docx

Enclosures: N/A

Cc (via email): Mr. Richard Tramm – City of Montgomery, City Administrator  
Ms. Susan Hensley – City of Montgomery, City Secretary  
Mr. Dave McCorquodale – City of Montgomery, Director of Planning & Development  
Mr. Alan Petrov – Johnson Petrov, LLP, City Attorney

Montgomery City Council  
**AGENDA REPORT**

<b>Meeting Date:</b> August 10, 2021	<b>Budgeted Amount:</b> N/A
<b>Department:</b> Admin	<b>Prepared By:</b> Dave McCorquodale

**Subject**

Consideration and possible action regarding acceptance of the FM 1097 Speed Study as performed by Jones | Carter, Inc.

**Recommendation**

Accept the FM 1097 Speed Study as presented.

Please note the City Council action of accepting a study is simply that—acknowledging receipt and acceptance of the study. It does not imply that the City or City Council agrees with or endorses the conclusions of any particular study. Acceptance of a study means the City Council believes the work included in the study to be done in accordance with good professional practices and standards.

**Discussion**

The Speed Study report is included in the previous presentation agenda report.

**Approved By**

Asst. City Administrator	Dave McCorquodale	Date: 08/05/2021
City Administrator	Richard Tramm	Date: 08/05/2021



August 5, 2021

The Honorable Mayor and City Council  
City of Montgomery  
101 Old Plantersville Road  
Montgomery, Texas 77316

Re: FM 1097 Speed Study  
City of Montgomery

Dear Mayor and Council:

As you are aware, Jones & Carter, Inc. performed a speed study ("the study") along FM 1097 from the intersection of FM 1097 and FM 149 to 1.5 miles east of such intersection. We have reviewed the results of the study and offer no objections. We recommend the City accept the analysis as presented by Jones & Carter, Inc. and begin conversations with TxDOT regarding modifications of the posted speed limits and advisory curve speed signage.

If you have any questions or comments, please do not hesitate to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Chris Roznovsky". The signature is written in a cursive, flowing style.

Chris Roznovsky, PE  
Engineer for the City

CVR/kmv

Z:\00574 (City of Montgomery)\\_900 General Consultation\Correspondence\Letters\2021.08.05 MEMO to Council RE FM 1097 Speed Study Acceptance.docx

Enclosures: N/A

Cc (via email): Mr. Richard Tramm – City of Montgomery, City Administrator  
Ms. Susan Hensley – City of Montgomery, City Secretary  
Mr. Dave McCorquodale – City of Montgomery, Director of Planning & Development  
Mr. Alan Petrov – Johnson Petrov, LLP, City Attorney

Montgomery City Council  
**AGENDA REPORT**

<b>Meeting Date:</b> August 10, 2021	<b>Budgeted Amount:</b> N/A
<b>Department:</b> Administration	<b>Prepared By:</b> Richard Tramm

**Subject**

Consideration and possible action regarding the purchase of an emergency power generator for the City of Montgomery Community Building located at 14420 Liberty Street.

**Recommendation**

Recommend approval of the proposal from Generators of Houston in the amount of \$26,703.00.

**Discussion**

Earlier this year City staff met multiple times to review emergency procedures and processes and implement changes as needed. One of the items identified was the possible addition of a generator to the City's Community Building so it could be utilized as an emergency shelter or command center in the event of an emergency with an extended power outage.

We received three quotes for this work:

- Generators of Houston \$25,703.00
- Solomon Electric \$27,849.00
- A&H Electric Service \$49,835.00

**Approved By**

City Administrator	Richard Tramm	Date: August 4, 2021
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**Montgomery City Council  
AGENDA REPORT**

<b>Meeting Date:</b> August 10, 2021	<b>Budgeted Amount:</b> N/A
<b>Department:</b> Administration	<b>Prepared By:</b> Richard Tramm

**Subject**

Consideration and possible action on the purchase of vehicles for the City of Montgomery Police Department.

**Recommendation**

Recommend approval of purchase of vehicles for the City of Montgomery Police Department.

**Discussion**

Due to the City adopting a conservative budget for the current fiscal year last summer while we were still dealing with economic uncertainty earlier in the pandemic, some larger price items were not budgeted but were planned to be brought back for individual consideration. Three police vehicles would have been planned to be purchased in either the 2020-2021 or the 2021-2022 fiscal years. Due to the City receiving revenue above budgeted levels, I would like to ask City Council to approve the purchase of these three vehicles to replace aging police vehicles, plus a fourth vehicle that is needed as a dedicated City Investigator vehicle. The prices listed include being outfitted as needed with emergency equipment.

2 Chevrolet Tahoe @ \$59,559.00 each  
 1 Ford Defender @ \$55,179.00  
1 Ford Defender @ \$40,883.00  
 Total for 4 Vehicles \$215,180.00

<b>Approved By</b>		
City Administrator	Richard Tramm	Date: August 5, 2021



Montgomery City Council  
**AGENDA REPORT**

<b>Meeting Date:</b> August 10, 2021	<b>Budgeted Amount:</b> N/A
<b>Department:</b> Administration	<b>Prepared By:</b> Richard Tramm

**Subject**

Consideration and possible action to purchase 3 mobile traffic control and messaging signs from All Traffic Solutions.

**Recommendation**

Recommend approval of purchase of traffic control and messaging signs from All Traffic Solutions.

**Discussion**

Earlier this year City staff met multiple times to review emergency procedures and processes and implement changes as needed. One of the items identified was the need for portable and controllable signs for traffic direction and messaging during emergency situations. To fill this need the three trailers in this item were identified. After purchase, they would be available for normal daily use of the Police and Public Works Departments for traffic control, as needed. This regular use would also ensure they are kept in proper operating condition on a regular basis and that staff is familiar with their operation. Each of these includes solar charging capability to maximize their ability to be used in remote locations. The items to be purchased under this approval were identified by the Police Department as being appropriate for traffic control and messaging for multiple uses. The total cost for three signs, trailers and all accompanying accessories is \$44,204.00.

As these signs would be used for traffic direction use during in-City festivals and events, the MEDC has approved a budget amendment for funds that would cover half of the purchase amount and would be expected to fund half of this cost to reimburse the City at an upcoming MEDC Meeting following the City approving to purchase the signs. (The next MEDC Meeting is scheduled for August 16, 2021.)

**Approved By**

City Administrator	Richard Tramm	Date: August 5, 2021



Wanco Full-Matrix Message Board Sign and Trailer, Graphic Display, Solar and Battery Powered WTMMB

SEE OPTIONS



Wanco Mini-Matrix Message Board Sign and Trailer, Full Graphic Display, Solar and Battery Powered WVMT

SEE OPTIONS



Solar Panel Kit

Decatur Electronics OnSite OS-300MX Radar Speed Sign Trailer with Matrix Messaging, Folding Speed Display for Easy Transport and Storage, Optional Solar Panel

\$8,384.00

[SEE OPTIONS](#)



Decatur Electronics OnSite OS-200MX Radar Speed Sign Dolly with Matrix Messaging

[SEE OPTIONS](#)



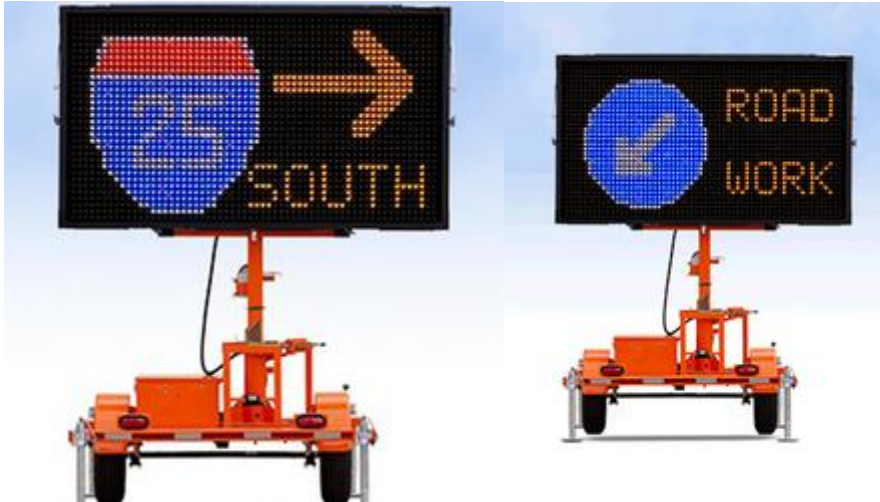
Wanco Metro Message Board Sign and Trailer WVTMM, Compact and Light, Battery Powered, Optional Color

SEE OPTIONS



Federal Signal LED Police and Emergency Vehicle Message Board and Traffic Advisor

SEE OPTIONS



Wanco Color Message Board Sign and Trailer WVTM-5C, Full Graphic Display, Solar and Battery Powered

[ADD TO CART](#)



Stalker Variable Message Board Sign And Trailer, Includes Traffic Data Collector, Rotates 360 Degrees, Raise - Lower - Pivot, Choose (In Feet) 3 X 6 Or 4 X 8 Display Panels, Battery And Solar Powered

[SEE OPTIONS](#)



Wanco Mini Message Board Sign and Trailer, Solar and Battery Powered WVT3, Three Line

SEE OPTIONS



Wanco Truck Mount Message Board Sign, Arrow Board, and Full Graphic Display WVMBM, for Flat bed or Pickup Truck

SEE OPTIONS



Double Sided Highway Variable Message Board Sign and Trailer by SolarTech

SEE OPTIONS



MB IV with 60" x 30" Panel