



**AGENDA
CITY COUNCIL
WORK SESSION
REGULAR MEETING
MARCH 18, 2021
6:30 PM**

The Joshua City Council will hold a Work Session at 6:30 p.m. and a Regular Meeting, immediately following the Work Session, in the Council Chambers at the Joshua City Hall, located at 101 S. Main St., Joshua, Texas on March 18, 2021. This meeting is subject to the open meeting laws of the State of Texas.

Individuals may attend the Joshua City Council meeting in person, or access the meeting via videoconference, or telephone conference call.

Join Zoom Meeting:

<https://us04web.zoom.us/j/72604276224?pwd=YS84QytMaHZZMWg1VTFod1U0TVNiQT09>

Meeting ID: 726 0427 6224 Passcode: phrEd6 or dial 1/346-248-7799

A member of the public who would like to submit a question on any item listed on this agenda may do so via the following options:

- Online: An online speaker card may be found on the city's website (cityofjoshuatx.us) on the Agenda/Minutes/Recordings page. Speaker cards received will be read during the meeting in the order received by the City Secretary.
- By phone: Please call 817/558-7447 ext. 2003 and provide your name, address, and question. Your question will be read by the City Secretary in the order they are received.

A. CALL TO ORDER AND ANNOUNCE A QUORUM PRESENT

B. PLEDGE OF ALLEGIANCE

- 1. United States of America**
- 2. Texas Flag**

C. INVOCATION

D. WORK SESSION

1. Review and discuss questions related to the budget report and financial statement for February 2021. (Staff Resource: M. Peacock)
2. Discussion and receive direction on establishing an independent Fire Marshal's Office to serve as a law Enforcement organization by the Texas Commission on Law Enforcement. (Staff Resource: T. Griffith)
3. Discussion regarding trash collection and billing issues during the February 2021 Snow Storm.
4. Questions regarding Regular Session agenda items.

E. PUBLIC FORUM, PRESENTATIONS AND RECOGNATION:

The City Council invites citizens to speak on any topic. However, unless the item is specifically noted on this agenda, the City Council is required under the Texas Open Meetings Act to limit its response to responding with

a statement of specific factual information, reciting the City's existing policy, or directing the person making the inquiry to visit with City Staff about the issue. No Council deliberation is permitted. Each person will have 3 minutes to speak.

F. CONSENT AGENDA

1. Consider approval of minutes from the City Council Meeting held on February 18, 2021 and February 23, 2021. (Staff Resource: A. Holloway)

G. REGULAR AGENDA

1. Discuss, consider, and possible action on an Ordinance amending the speed limit from 20 MPH to 30 MPH on Clubhouse Drive.
2. Discuss, consider, and possible action on an agreement with Freese and Nichols for professional services in connection with the Caddo Road, North Main Street, and 4th Street Improvements. (Staff Resource: M. Peacock)
3. Discuss, consider, and possible action on an Ordinance adopting a new Zoning District Map and replaces all previous zoning maps. (Staff Resource: A. Holloway)
4. Discuss, consider, and possible action on board appointments. (Staff Resource: A. Holloway)

H. STAFF REPORT

February 2021

1. Police Department Report
2. Fire Department Report
3. Municipal Court Report
4. Public Works Report
5. Development Services Report
6. Economic Development Report
7. City Secretary Report

I. EXECUTIVE SESSION

The City Council of the City of Joshua will recess into Executive Session (Closed Meeting) pursuant to the provisions of chapter 551, Subchapter D, Texas Government Code, to discuss the following:

1. Pursuant to Section 551.071, consultation with the City Attorney regarding legal issues associated with agreements pursuant to Chapter 43 of the Texas Local Government Code, and all matters incident and related thereto.
2. Pursuant to Section 551.071 and 551.074, consultation with the City Attorney regarding personnel matters and all matters incident and related thereto.

J. RECONVENE INTO REGULAR SESSION

In accordance with Texas Government Code, Section 551, the City Council will reconvene into regular session and consider action, if any, on matters discussed in executive session.

K. FUTURE AGENDA ITEMS/REQUESTS BY COUNCILMEMBERS TO BE ON NEXT AGENDA

Councilmembers shall not comment upon, deliberate, or discuss any item that is not on the agenda. Councilmembers shall not make routine inquiries about operations or project status on an item that is not posted. Any Councilmember may, however, state an issue and a request that this issue be placed on a future agenda.

L. ADJOURNMENT

The City Council reserves the right to meet in Executive Session closed to the public at any time in the course of this meeting to discuss matters listed on the agenda, as authorized by the Texas Open Meetings Act, Texas Government

Code, Chapter 551, including 551.071 (private consultation with the attorney for the City); 551.072 (discussing purchase, exchange, lease or value of real property); 551.074 (discussing personnel or to hear complaints against personnel); and 551.087 (discussing economic development negotiations). Any decision held on such matters will be taken or conducted in Open Session following the conclusion of the Executive Session.

Pursuant to Section 551.127, Texas Government Code, one or more Councilmembers may attend this meeting remotely using videoconferencing technology. The video and audio feed of the videoconferencing equipment can be viewed and heard by the public at the address posted above as the location of the meeting. A quorum will be physically present at the posted meeting location of City Hall.

In compliance with the Americans with Disabilities Act, the City of Joshua will provide reasonable accommodations for disabled persons attending this meeting. Requests should be received at least 24 hours prior to the scheduled meeting by contacting the City Secretary's office at 817/558-7447.

CERTIFICATE:

I hereby certify that the above agenda was posted on or before the 12th day of March 2021, by 5:00 p.m. on the official bulletin board at Joshua City Hall, 101 S. Main, Joshua, Texas.

Alice Holloway
City Secretary

City of Joshua
Financial Statement (General Fund, Departmental Summary, Unaudited)
As of February 28, 2021

% OF YEAR COMPLETED: 41.65

	Current Month Actual	Current Month Budget	Budget Variance	YTD Actual	Annual Budget	% Budget Used	Budget Remaining
REVENUE SUMMARY							
Non-Departmental							
Tax Revenue	669,744.28	792,745.37	123,001.09	2,681,303.90	3,922,535.00	68.36%	1,241,231.10
Charges for Services	27,753.48	40,166.37	12,412.89	194,278.05	482,000.00	40.31%	287,721.95
Licenses, Permits & Fees	74,997.80	38,219.28	(36,778.52)	325,052.72	488,815.00	66.50%	163,762.28
Grants & Contributions	50.00	41.65	(8.35)	3,100.00	500.00	620.00%	(2,600.00)
Intergovernmental Revenues	0.00	9,693.67	9,693.67	0.00	116,370.00	0.00%	116,370.00
Investment Earnings	7.41	273.22	265.81	29.33	3,280.00	0.89%	3,250.67
Miscellaneous	355.52	6,766.45	6,410.93	382,327.15	81,230.00	470.67%	(301,097.15)
Transfers In	0.00	0.00	0.00	0.00	266,715.00	0.00%	266,715.00
TOTAL REVENUES	772,908.49	887,906.01	114,997.52	3,586,091.15	5,361,445.00	66.89%	1,775,353.85
EXPENDITURE SUMMARY							
Community Service							
Utilities	3,874.29	3,415.30	(458.99)	15,504.44	41,000.00	37.82%	25,495.56
Community Events	160.00	0.00	(160.00)	3,364.58	25,000.00	13.46%	21,635.42
Contract & Professional Services	26,395.12	26,666.67	271.55	131,493.05	320,000.00	41.09%	188,506.95
Miscellaneous	2,764.40	3,021.58	257.18	21,513.53	47,865.00	44.95%	26,351.47
TOTAL Community Service	33,193.81	33,103.55	(90.26)	171,875.60	433,865.00	39.61%	261,989.40
Non-departmental							
Personnel	564.25	1,000.00	435.75	3,262.25	4,000.00	81.56%	737.75
Contract & Professional Services	4,679.00	4,681.46	2.46	32,730.31	102,300.00	31.99%	69,569.69
Debt Service	0.00	400.00	400.00	400.00	4,000.00	10.00%	3,600.00
Miscellaneous	126.06	1,250.00	1,123.94	38,252.35	71,055.00	53.83%	32,802.65
Transfers Out	0.00	275,250.00	275,250.00	0.00	1,101,000.00	0.00%	1,101,000.00
TOTAL Non-departmental	5,369.31	282,581.46	277,212.15	74,644.91	1,282,355.00	5.82%	1,207,710.09

City of Joshua
Financial Statement (General Fund, Departmental Summary, Unaudited)
As of February 28, 2021

% OF YEAR COMPLETED: 41.65

	Current Month Actual	Current Month Budget	Budget Variance	YTD Actual	Annual Budget	% Budget Used	Budget Remaining
Mayor & Council							
Personnel	0.00	0.00	0.00	0.00	2,000.00	0.00%	2,000.00
Supplies	0.00	87.50	87.50	239.28	1,050.00	22.79%	810.72
TOTAL Octoberor & Council	0.00	87.50	87.50	239.28	3,050.00	7.85%	2,810.72
Administration							
Personnel	28,109.95	40,378.77	12,268.82	218,168.04	523,940.00	41.64%	305,771.96
Supplies	5,322.20	1,245.32	(4,076.88)	29,634.21	23,950.00	123.73%	(5,684.21)
Repair & Maintenance	2,703.12	2,563.14	(139.98)	14,122.63	30,770.00	45.90%	16,647.37
Contract & Professional Services	2,945.69	6,999.80	4,054.11	30,378.67	59,465.00	51.09%	29,086.33
Utilities	2,335.24	2,713.17	377.93	10,314.19	32,570.00	31.67%	22,255.81
Miscellaneous	343.50	958.28	614.78	2,844.55	11,500.00	24.74%	8,655.45
TOTAL Administration	41,759.70	54,858.48	13,098.78	305,462.29	682,195.00	44.78%	376,732.71
Police Department							
Personnel	59,899.43	76,378.72	16,479.29	378,517.82	997,275.00	37.96%	618,757.18
Supplies	632.79	1,795.34	1,162.55	5,429.10	21,550.00	25.19%	16,120.90
Repair & Maintenance	924.78	4,873.75	3,948.97	14,543.37	58,500.00	24.86%	43,956.63
Contract & Professional Services	7,959.22	1,066.24	(6,892.98)	66,557.32	113,800.00	58.49%	47,242.68
Utilities	1,509.75	1,940.89	431.14	6,366.71	23,300.00	27.32%	16,933.29
Capital Outlay	0.00	0.00	0.00	16,155.60	16,205.00	99.70%	49.40
Miscellaneous	2,575.50	33.33	(2,542.17)	10,625.77	400.00	2656.44%	(10,225.77)
TOTAL Police Department	73,501.47	86,088.27	12,586.80	498,195.69	1,231,030.00	40.47%	732,834.31

City of Joshua
Financial Statement (General Fund, Departmental Summary, Unaudited)
As of February 28, 2021

% OF YEAR COMPLETED: 41.65

	Current Month Actual	Current Month Budget	Budget Variance	YTD Actual	Annual Budget	% Budget Used	Budget Remaining
Public Works							
Personnel	17,823.02	20,581.59	2,758.57	109,870.36	277,075.00	39.65%	167,204.64
Supplies	3,946.03	14,365.50	10,419.47	49,955.69	172,455.00	28.97%	122,499.31
Repair & Maintenance	1,536.60	6,372.48	4,835.88	20,838.24	76,500.00	27.24%	55,661.76
Contract & Professional Services	576.39	1,686.82	1,110.43	1,837.52	20,250.00	9.07%	18,412.48
Utilities	813.48	566.44	(247.04)	2,435.43	6,800.00	35.82%	4,364.57
Micellaneous	0.00	0.00	0.00	1,088.80	0.00	#DIV/0!	(1,088.80)
Capital Outlay	0.00	0.00	0.00	116,876.58	152,065.00	76.86%	35,188.42
TOTAL Public Works	24,695.52	43,572.83	18,877.31	302,902.62	705,145.00	42.96%	402,242.38
Municipal Court							
Personnel	4,369.75	4,649.35	279.60	25,420.22	60,810.00	41.80%	35,389.78
Supplies	0.00	154.10	154.10	688.15	1,850.00	37.20%	1,161.85
Repair & Maintenance	140.15	166.60	26.45	831.71	2,000.00	41.59%	1,168.29
Contract & Professional Services	2,291.69	2,969.27	677.58	14,874.45	35,635.00	41.74%	20,760.55
Miscellaneous	50.71	83.30	32.59	1,540.97	1,000.00	154.10%	(540.97)
TOTAL Municipal Court	6,852.30	8,022.62	1,170.32	43,355.50	101,295.00	42.80%	57,939.50
Development Services							
Personnel	15,895.44	16,694.95	799.51	90,430.22	215,770.00	41.91%	125,339.78
Supplies	116.67	324.87	208.20	1,332.33	3,900.00	34.16%	2,567.67
Repair & Maintenance	0.00	166.60	166.60	456.99	2,000.00	22.85%	1,543.01
Contract & Professional Services	1,986.39	15,960.06	13,973.67	65,351.56	191,525.00	34.12%	126,173.44
Utilities	86.29	88.29	2.00	345.01	1,060.00	32.55%	714.99
Capital Outlay	0.00	416.67	416.67	0.00	5,000.00	0.00%	5,000.00
Miscellaneous	1,596.00	41.67	(1,554.33)	4,307.28	500.00	861.46%	(3,807.28)
TOTAL Building/Code Comp.	19,680.79	33,693.11	14,012.32	162,223.39	419,755.00	38.65%	257,531.61

City of Joshua
Financial Statement (General Fund, Departmental Summary, Unaudited)
As of February 28, 2021

% OF YEAR COMPLETED: 41.65

	Current Month Actual	Current Month Budget	Budget Variance	YTD Actual	Annual Budget	% Budget Used	Budget Remaining
Animal Control							
Personnel	6,630.39	8,190.35	1,559.96	45,993.82	109,345.00	42.06%	63,351.18
Supplies	712.41	864.22	151.81	4,262.88	10,375.00	41.09%	6,112.12
Repair & Maintenance	2,386.31	2,665.60	279.29	6,543.93	32,000.00	20.45%	25,456.07
Contract & Professional Services	848.69	849.78	1.09	3,303.96	10,200.00	32.39%	6,896.04
Utilities	1,118.77	1,307.81	189.04	4,553.68	15,700.00	29.00%	11,146.32
Miscellaneous	0.00	0.00	0.00	654.24	0.00	#DIV/0!	(654.24)
TOTAL Animal Control	11,696.57	13,877.76	2,181.19	65,312.51	177,620.00	36.77%	112,307.49
Fire Department							
Personnel	27,231.60	31,279.93	4,048.33	117,426.97	425,335.00	27.61%	307,908.03
Supplies	333.91	4,673.54	4,339.63	5,665.22	56,100.00	10.10%	50,434.78
Repair & Maintenance	9,646.62	6,139.61	(3,507.01)	27,096.65	73,705.00	36.76%	46,608.35
Contract & Professional Services	982.46	1,970.46	988.00	12,656.09	23,655.00	53.50%	10,998.91
Utilities	4,347.36	2,865.52	(1,481.84)	11,811.07	34,400.00	34.33%	22,588.93
Miscellaneous	2,233.81	1,277.82	(955.99)	12,636.86	15,340.00	82.38%	2,703.14
TOTAL Fire Department	44,775.76	48,206.88	3,431.12	187,292.86	628,535.00	29.80%	441,242.14
Park Maintenance							
Supplies	1,306.71	1,137.05	(169.66)	14,067.05	13,650.00	103.06%	(417.05)
Repair & Maintenance	354.37	1,603.57	1,249.20	4,747.05	19,250.00	24.66%	14,502.95
Contract & Professional Services	4.80	24.99	20.19	12.00	300.00	4.00%	288.00
Utilities	2,589.63	627.24	(1,962.39)	11,377.29	87,530.00	13.00%	76,152.71
Capital Outlay	0.00	7,163.00	7,163.00	4,800.00	85,985.00	5.58%	81,185.00
TOTAL Park Maintenance	4,255.51	10,555.85	6,300.34	35,003.39	206,715.00	16.93%	171,711.61
TOTAL EXPENDITURES	265,780.74	614,648.31	348,867.57	1,846,508.04	5,871,560.00	31.45%	4,025,051.96
TOTAL REVENUES OVER/UNDER EXPENDITURES	507,127.75	273,257.70	(233,870.05)	1,739,583.11	(510,115.00)		(2,249,698.11)



**MINUTES
CITY COUNCIL
EMERGENCY MEETING
FEBRUARY 18, 2021
11:00 AM**

City Council Present: Joe Hollarn, Mayor; Rick DePriest, Place 1; Mike Kidd, Place 2; Angela Nichols, Place 3 Robert Purdom, Place 4; Robert Fleming, Place 5; and Scott Kimble, Place 6.

City Council Absent: NA

City Staff Present: Mike Peacock, City Manager; Terry Welch, City Attorney; and Alice Holloway, City Secretary.

City facilities are closed to the public in response to a health emergency specifically Coronavirus Disease (COVID-19). This meeting is available via live stream.

THIS MEETING OF THE CITY COUNCIL IS CALLED PURSUANT TO AN EMERGENCY OR URGENT PUBLIC NECESSITY, SPECIFICALLY WINTER STORM, POWER FAILURE, AND WATER OUTAGE, IN ACCORDANCE WITH SECTION 551.045 OF THE TEXAS GOVERNMENT CODE.

Join Zoom Meeting

<https://us02web.zoom.us/j/85263928924?pwd=UGsweHNqZFZoNzhFc2ZHUm1yRzNXZz09>

Meeting ID: 852 6392 8924 Passcode: 967221 or dial 1/346-248-7799

A member of the public who would like to submit a question on any item listed on this agenda may do so via the following options:

- Online: An online speaker card may be found on the city's website (cityofjoshuatx.us) on the Agenda/Minutes/Recordings page. Speaker cards received will be read during the meeting in the order received by the City Secretary.
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A. Call to Order.

Mayor Hollarn announced a quorum and called the meeting to order at 11:00 am.

B. Discuss, consider, and take action on an Ordinance of the City Council of the City of Joshua, Texas, declaring a Local State of Disaster due to a Public Health Emergency. Making findings related thereto; providing an effective date; providing an expiration date; and providing for the publication of the caption hereof.

City Manager Peacock gave the following update:

Public Works Department has been out working since the storm started, almost non-stop. He stated they are currently sanding the streets. In addition, he stated that TxDOT has been out helping to make the streets safer.

Fire Department has been up and running and has answered all calls.

City Hall has been closed because of no water and rolling blackouts.

Animal Control has been working taking care of animals.

Police Department has been working all shifts.

JCSUD is advising that the water may be out longer than we originally were told. It may be a week now.

The City had 88 cases of water dropped off at the fire department for the public, first come, first serve.

Pete Kampfer, General Manager of JCSUD, stated that they are working aggressively to get the water on. Mr. Kampfer stated that staff is trying to get everything thawed out and moving.

Mr. Kampfer stated that the power company is working with JCSUD to get everything working. In addition, he stated that JCSUD is supplying potable water to citizens and will be available all day to the citizens.

Councilmember Kimble asked if citizens should shut water off at the meter until everything is thawed in the house.

Danny, with JCSUD stated that it is a good idea to close everything out. He stated that JCSUD will post something later on with instructions on what to do.

Mayor stated that a lot of information is on Facebook and we want to make sure it is all correct. He stated that we will share information from JCSUD and Waste Connection as soon as it is available.

City Secretary Holloway read out loud questions that were sent through zoom. Mayor, city council, and staff with JCSUD answered the questions.

C. Adjourn.

Mayor Hollarn adjourned the meeting at 12:09 p.m.

Joe Hollarn, Mayor

ATTEST:

Alice Holloway, TRMC
City Secretary

Approved: March 18, 2021



**MINUTES
CITY COUNCIL
REGULAR MEETING
FEBRUARY 23, 2021
6:30 PM**

City Council Present: Joe Hollarn, Mayor; Rick DePriest, Place 1; Mike Kidd, Place 2; Angela Nichols, Place 3; Robert Purdom, Place 4; Robert Fleming, Place 5; and Scott Kimble, Place 6.

City Council Absent: NA

City Staff Present: Mike Peacock, City Manager; Jeremy Page, City Attorney; and Alice Holloway, City Secretary.

Individuals may attend the Joshua City Council meeting in person, or access the meeting via videoconference, or telephone conference call.

Join Zoom Meeting

<https://us02web.zoom.us/j/82525420132?pwd=MzZmVXdjY1BVVkcYRklZLy9XSWMdz09>

Meeting ID: 825 2542 0132 Passcode: 478706 or dial 1/346-248-7799

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A. CALL TO ORDER AND ANNOUNCE A QUORUM PRESENT

B. PLEDGE OF ALLEGIANCE

- 1. United States of America**
- 2. Texas Flag**

Councilmember Purdom led the Pledge of Allegiance.

C. INVOCATION

Councilmember Kimble gave the invocation.

D. WORK SESSION

1. Review and discuss questions related to the budget report and financial statement for January 2021.
(Staff Resource: M. Peacock)

City Manager Peacock presented the budget report and financial statement for January 2021. There were no comments from the council.

2. Discussion regarding the set speed limit for Clubhouse Drive.
3. Discuss and receive update regarding the February 2021 disaster regarding the Snow Storm, Power Outage, Water Shortage, and Waste Collection.

City Manager Peacock gave a brief update regarding the recent storm. Mr. Peacock stated that staff is working on a few concerns.

City Manager Peacock stated that he has met with the fire department, public works, and police department and started the discussion on what was the city's strengths and weaknesses. Mr. Peacock stated that we did not open up warming stations because of COVID and rolling blackouts.

Mayor Hollarn stated that the City of Burleson offered assistance wherever we needed it.

Councilmember Kidd stated that the City needs to come up with procedures for different issues. Councilmember Kimble stated that the procedures need to have a plan for fuel.

Councilmember Fleming asked if we activated the EOC. City Manager Peacock stated no.

City Manager Peacock stated that the procedures will be presented to the City Council once completed.

4. Questions regarding Regular Session agenda items.

NA

E. PUBLIC FORUM, PRESENTATIONS AND RECOGNATION:

The City Council invites citizens to speak on any topic. However, unless the item is specifically noted on this agenda, the City Council is required under the Texas Open Meetings Act to limit its response to responding with a statement of specific factual information, reciting the City's existing policy, or directing the person making the inquiry to visit with City Staff about the issue. No Council deliberation is permitted. Each person will have 3 minutes to speak.

1. Proclamation expressing appreciation to Carla Bonham for her 19-year career with the City of Joshua.

Mayor Hollarn stated that Carla Bonham has changed her mind and will remain an employee with the City of Joshua.

F. CONSENT AGENDA

1. Consider approval of minutes from the City Council Meeting held on January 21, 2021. (Staff Resource: A. Holloway)
2. Consider acceptance of the 2020 Racial Profiling Report submitted by the Chief of Police. (Staff Resource: S. Short)

Councilmember Kimble moved to approve the Consent Agenda. Councilmember Fleming seconded the motion. The motion passed unanimously.

G. REGULAR AGENDA

1. Discuss, consider, and possible action on Ordinance abandoning and vacating certain prescriptive alleyway as reflected on the February 11, 1914, plat of Redeker's Addition to Joshua. (Staff Resource: M. Peacock)

Councilmember Fleming moved to approve an Ordinance abandoning and vacating certain prescriptive alleyway as reflected on the February 11, 1914, plat of Redeker's Addition to Joshua. Councilmember Kidd seconded the motion. The motion passed unanimously.

2. Discuss, consider, and possible action on an Ordinance repealing existing Article 3.03, "Substandard and Dangerous Buildings," of Chapter 3, Building Regulations," of the Code of Ordinances and replacing it with a new article 3.03, "Substandard and Dangerous Building". (Staff Resource: M. Peacock)

Councilmember Purdom moved to approve an Ordinance repealing existing Article 3.03, "Substandard and Dangerous Buildings," of Chapter 3, Building Regulations," of the Code of Ordinances and replacing it with a new article 3.03, "Substandard and Dangerous Building". Councilmember Kimble seconded the motion. The motion passed. Councilmember Fleming and DePriest voted against.

3. Discuss, consider, and possible action on an Ordinance changing the name of a public road or street in the City of Joshua from Mountaineer Road to Plum Street. (Staff Resource: M. Peacock)

Councilmember Kidd moved to approve an Ordinance changing the name of a public road or street in the City of Joshua from Mountaineer Road to Plum Street. Councilmember Kimble seconded the motion. The motion passed unanimously.

4. Discuss, consider, and possible action on an Ordinance amending Article A7.007, "Alcoholic Beverage Permit Fees" of Appendix A, "Fee Schedule" to the City's Code of Ordinances and replace it with a new Article A7.000, "Alcoholic Beverage Permit Fees to bring in compliance with state law. (Staff Resource: A. Holloway)

Councilmember Fleming moved to approve an Ordinance amending Article A7.007, "Alcoholic Beverage Permit Fees" of Appendix A, "Fee Schedule" to the City's Code of Ordinances and replace it with a new Article A7.000, "Alcoholic Beverage Permit Fees to bring in compliance with state law. Councilmember Kidd seconded the motion. The motion passed unanimously.

5. Discuss, consider, and possible action to approve the sale of certain real property acquired at a delinquent tax foreclosure sale; Cause No. T201500028, Lots 1, 2 & 3, Block 16, Original Town Joshua. (Staff Resource: A. Holloway)

Councilmember Kidd moved to approve the sale of certain real property acquired at a delinquent tax foreclosure sale; Cause No. T201500028, Lots 1, 2 & 3, Block 16, Original Town Joshua. Councilmember Nichols seconded the motion. The motion passed unanimously.

6. Discuss, consider, and possible action on a resolution requesting the Johnson County Constable to sell property to the highest bidder to satisfy delinquent taxes owed to the City of Joshua, Joshua ISD, Hill College, and Johnson County; Cause No. T201400364, 1.35 Acres, J Minett Survey, Abstract 547. (Staff Resource: A. Holloway)

Councilmember Purdom moved to approve a resolution requesting the Johnson County Constable to sell property to the highest bidder to satisfy delinquent taxes owed to the City of Joshua, Joshua ISD, Hill College, and Johnson County; Cause No. T201400364, 1.35 Acres, J Minett Survey, Abstract 547. Councilmember DePriest seconded the motion. The motion passed unanimously.

7. Discuss, consider, and possible action on a resolution expressing support of House Bill 1030 in the regular session of the 87th Legislature regarding alternative public notice provisions.

Councilmember Kidd moved to approve a resolution expressing support of House Bill 1030 in the regular session of the 87th Legislature regarding alternative public notice provisions. Councilmember Kimble seconded the motion. The motion passed unanimously.

8. Discuss, consider, and possible action on a resolution expressing support of Senate Bill 131 in the regular session of the 87th Legislature regarding future election dates.

Councilmember Purdom moved to approve a resolution expressing support of Senate Bill 131 in the regular session of the 87th Legislature regarding future election dates. Councilmember DePriest seconded the motion. The motion passed unanimously.

9. Discuss, re-consider, and possible action on a Gas Well Setback Waiver Packet and Application filed by Scott Sandlin on October 28, 2019. (Staff Resource: M. Peacock)

Councilmember Purdom moved to approve a Gas Well Setback Waiver request and application filed by Scott Sandlin on October 28, 2019. Councilmember Nichols seconded the motion. The motion passed unanimously.

10. Discuss, consider, and possible action on award of bid for the SH 174 Deceleration, Acceleration and Left Turn Lanes for the purpose of furnishing all plants, labor, materials and equipment and the performance of all work required in the construction.

Councilmember Kidd moved to award bid and give notice to proceed for the SH 174 Deceleration, Acceleration and Left Turn Lanes for the purpose of furnishing all plants, labor, materials and equipment and the performance of all work required in the construction to Texas Materials Group, dba Texas Bit. Councilmember Kimble seconded the motion. The motion passed unanimously.

11. Discuss, consider, and possible action on board appointments.

Councilmember Fleming moved to appoint Kristoffer Maddox to the Heritage Preservation Committee. Councilmember DePriest seconded the motion. The motion passed unanimously.

H. STAFF REPORT

January 2021

1. Police Department Report
2. Fire Department Report
3. Municipal Court Report
4. Public Works Report
5. Development Services Report
6. City Secretary Report

Mayor Hollarn announced there will be no executive session.

I. EXECUTIVE SESSION

The City Council of the City of Joshua will recess into Executive Session (Closed Meeting) pursuant to the provisions of chapter 551, Subchapter D, Texas Government Code, to discuss the following:

1. In Pursuant to Section 551.071, consultation with the City Attorney regarding legal issues associated with agreements pursuant to Chapter 43 of the Texas Local Government Code, and all matters incident and related thereto.

J. RECONVENE INTO REGULAR SESSION

In accordance with Texas Government Code, Section 551, the City Council will reconvene into regular session and consider action, if any, on matters discussed in executive session.

K. FUTURE AGENDA ITEMS/REQUESTS BY COUNCILMEMBERS TO BE ON NEXT AGENDA

Councilmembers shall not comment upon, deliberate, or discuss any item that is not on the agenda. Councilmembers shall not make routine inquiries about operations or project status on an item that is not posted. Any Councilmember may, however, state an issue and a request that this issue be placed on a future agenda.

- 1) Meetings opened up to the public.

L. ADJOURNMENT

Mayor Hollarn adjourned the meeting at 7:41 pm.

Joe Hollarn, Mayor

ATTEST:

Alice Holloway, TRMC
City Secretary

Approved: March 18, 2021



City Council Agenda March 18, 2021

Agenda Item:G1

Ordinance

(Action Item)

Agenda Description:

Request by City Council member to increase the speed limit on Clubhouse Drive from the posted 20 mph up to 30 mph.

Background Information:

Traffic counts were obtained by the City that indicate that the VPD (vehicle per day) count is 2,587. Of that number, only 122 VPD (5.0%) are within the posted 20 mph limit, and 664 VPD (27%) are above the proposed 30 mph. The average daily speed is 31 mph (85%). Based on the traffic analysis provided, the change in the posted limit would likely not have any significant impact on the traffic pattern on Clubhouse Drive.

Financial Information: NA

City Contact and Recommendations:

Mike Peacock, City Manager

Staff has no recommendation on this item.

Attachments:

City of Joshua

101 S Main ST
Joshua, TX 76058

Speed Enforcement Evaluator

Location:
**Clubhouse @ Mountain
Valley Lake**

Closest Cross Street:
Lakeside Dr

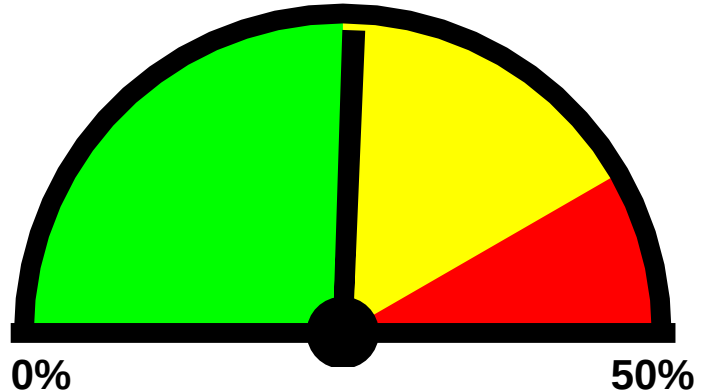
Analysis Dates:
Wednesday, February 10, 2021
Tuesday, March 09, 2021

Equipment Used:
Jamar Radar Recorder

Installed By:
Kristin Hubacek

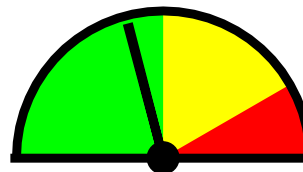
Requested By:
Mike Peacock

Total Percentage of
Enforceable Violations



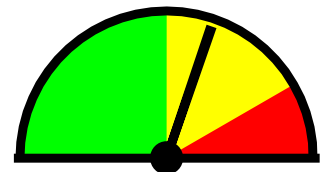
Posted Speed Limit: 20 MPH
Enforcement Tolerance: 10 MPH
Enforcement Limit: 31 MPH & Up
Percentage Above Limit: 25.7%
Enforcement Rating: **MEDIUM**

Direction 1



Enforcement Rating: **LOW**

Direction 2



Enforcement Rating: **MEDIUM**

Combined

1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	>65
0	6	19	97	542	1259	570	72	11	0	1	0	2	8

85 percentile = 31

Direction 1

1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	>65
0	6	15	47	272	680	239	18	5	0	1	0	2	6

85 percentile = 31

Direction 2

1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	>65
0	0	4	50	270	579	331	54	6	0	0	0	0	2

85 percentile = 32

CITY OF JOSHUA, TEXAS

ORDINANCE NO. _____

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF JOSHUA, TEXAS, AMENDING SECTION 12.02.051, "SPEED LIMITS ON SPECIFIC STREETS," CONTAINED IN ARTICLE 12.02, "OPERATION OF VEHICLES," OF CHAPTER 12, "TRAFFIC AND VEHICLES," OF THE CODE OF ORDINANCES OF THE CITY OF JOSHUA, TEXAS, BY ADDING A PRIMA FACIE 30 MPH SPEED LIMIT ON CLUBHOUSE DRIVE; MAKING FINDINGS RELATED THERETO; REPEALING ALL CONFLICTING ORDINANCES; PROVIDING A SEVERABILITY CLAUSE; PROVIDING A PENALTY CLAUSE; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City has determined, after the completion of a speed enforcement study, that a 30 miles per hour speed limit on Clubhouse Drive is an appropriate prima facie speed limit for such roadway; and

WHEREAS, the City Council has determined that the following regulations are necessary in order to protect public health, safety, and welfare of the citizens of the City of Joshua and the general public.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF JOSHUA, TEXAS, THAT:

SECTION 1

The facts and recitations contained in the preamble of this Ordinance are hereby found and declared to be true and correct.

SECTION 2

From and after the effective date of this Ordinance, existing Section 12.02.051, "Speed limits on specific streets," contained in Article 12.02, "Operation of Vehicles," of Chapter 12, "Traffic and Vehicles," of the Code of Ordinances of the City of Joshua, Texas, is hereby amended by adding the following prima facie speed limit for the following named street, or part thereof, described as follows:

"Sec. 12.02.051 Speed limits on specific streets

* * *

Clubhouse Drive: 30 miles per hour.

* * *"

SECTION 3

If any section, paragraph, clause or provision of this Ordinance shall for any reason be held to be invalid or unenforceable, the invalidity or unenforceability of such section, paragraph, clause or provision shall not affect any of the remaining provisions of this Ordinance.

SECTION 4

This Ordinance shall be cumulative of all provisions of ordinances of the City of Joshua, Texas, except where the provisions of this Ordinance are in direct conflict with the provisions of such ordinances, in which event the conflicting provisions of such ordinances are hereby repealed.

SECTION 5

Any person, firm or corporation violating any of the provisions or terms of this Ordinance shall be deemed guilty of a misdemeanor and, upon conviction, shall be punished by fine not to exceed the sum of five hundred dollars (\$500.00) for each offense, and each and every day such violation shall continue shall constitute a separate offense.

SECTION 6

This Ordinance shall take effect immediately from and after its passage and publication.

DULY PASSED, APPROVED, AND ADOPTED BY THE CITY COUNCIL OF THE CITY OF JOSHUA, TEXAS, ON THIS 18TH DAY OF MARCH, 2021.

APPROVED:

Joe Hollarn, Mayor

ATTEST:

Alice Holloway, City Secretary

APPROVED AS TO FORM AND LEGALITY:

Terrence S. Welch, City Attorney



City Council Agenda March 18, 2021

Agenda Item:G2

Ordinance

(Action Item)

Agenda Description:

Agreement for Professional Services; Caddo Road, North Main Street, and 4th Street Improvements

Background Information:

Streets scheduled for re-construction in the 2020 Street Bond projects. These represent the top 3 streets identified as the targeted streets for re-construction. Caddo and 4th Streets will be the initial projects and North Main could be added based on funding availability, water and sewer improvements and downtown development funding.

Financial Information:

Professional Services per this agreement: \$181,300.00

City Contact and Recommendations:

Staff is recommending approval of the agreement as presented and authorization for the City Manager to sign.

Attachments:

AGREEMENT FOR PROFESSIONAL SERVICES

STATE OF TEXAS §

COUNTY OF TARRANT §

This Agreement is entered into by the City of Joshua, Texas, hereinafter called "Owner" and Freese and Nichols, Inc., hereinafter called "FNI." In consideration of the Agreements herein, the parties agree as follows:

- I. **EMPLOYMENT OF FNI:** In accordance with the terms of this Agreement: Owner agrees to employ FNI; FNI agrees to perform professional services in connection with the Project; Owner agrees to pay to FNI compensation. The Project is described as follows: Caddo Road, North Main Street, and 4th Street Improvements
- II. **SCOPE OF SERVICES:** FNI shall render professional services in connection with Project as set forth in Attachment SC - Scope of Services and Responsibilities of Owner which is attached to and made a part of this Agreement.
- III. **COMPENSATION:** Owner agrees to pay FNI for all professional services rendered under this Agreement. FNI shall perform professional services as outlined in the "Scope of Services" for a lump sum fee of \$181,300.

If FNI's services are delayed or suspended by Owner, or if FNI's services are extended for more than 60 days through no fault of FNI, FNI shall be entitled to equitable adjustment of rates and amounts of compensation to reflect reasonable costs incurred by FNI in connection with such delay or suspension and reactivation and the fact that the time for performance under this Agreement has been revised.
- IV. **TERMS AND CONDITIONS OF AGREEMENT:** The Terms and Conditions of Agreement as set forth as Attachment TC shall govern the relationship between the Owner and FNI.

Nothing under this Agreement shall be construed to give any rights or benefits in this Agreement to anyone other than Owner and FNI, and all duties and responsibilities undertaken pursuant to this Agreement will be for the sole and exclusive benefit of Owner and FNI and not for the benefit of any other party.

This Agreement constitutes the entire Agreement between Owner and FNI and supersedes all prior written or oral understandings.

This contract is executed in two counterparts.

IN TESTIMONY HEREOF, they have executed this Agreement, the ____ day of _____, 2021.

ATTEST:

City of Joshua, Texas
(Owner)

By: _____

ATTEST:

Freese and Nichols, Inc.
(FNI)

By:  _____
Chris B. Bosco
Print or Type Name and Title

SCOPE OF SERVICES AND RESPONSIBILITIES OF OWNER**PROJECT DESCRIPTION**

Freese and Nichols, Inc. (FNI) will render professional engineering design services for the City of Joshua (Owner). The project consists of final design and bid and construction phase services for three separate roadway projects: N. Main Street, Caddo Road, and East 4th Street. The intent of this phase of the project is to implement design recommendations previously identified during the conceptual design phase.

East 4th Street from SH 174 to Gregory Street: FNI will prepare final design plans and specifications for improvements on East 4th Street, including culvert replacement, pavement reconstruction from SH 174 to the culvert, and a two-course surface treatment east of the culvert.

North Main Street: FNI will provide final design plans and specifications for improvements on North Main Street, including localized full-depth repair and mill/overlay of the pavement from SH 174 to 6th Street.

Caddo Road from Oak Lane Drive to 6th Street: FNI will provide final design for in-place pavement reconstruction of Caddo Road and culvert replacements.

ARTICLE I

BASIC SERVICES: FNI shall render the following professional services in connection with the development of the Project:

A. FINAL DESIGN PHASE: FNI shall provide professional services in this phase as follows:

1. Perform geotechnical investigation of the existing roadways and provide asphalt pavement and subgrade recommendations.
2. Prepare 50% construction plans and opinion of probable construction cost. The 50% plans will include cover sheet, index of sheets, general notes, survey control plan, paving plan sheets, preliminary paving details for proposed pavement cross section, water line adjustment and/or relocation sheets as needed, drainage plans with driveway culverts, drainage area map with calculations, and erosion/sediment control plan sheets.
3. Submit three (3) copies of the 50% plans to the Owner for review. Attend one review meeting with the Owner for the 50% submittal.
4. FNI will provide franchise utilities with one set each of the 50%, 90% and 100% plans, for the franchise utilities to identify conflicts with their utilities and to relocate their utilities as needed. Design of franchise utility relocations are not included in these Basic Services and is assumed that each franchise utility will provide their own design for any of their relocations needed.
5. It is assumed that the Contractor will be responsible for preparing the final Traffic Control Plan and will submit it to the Owner and FNI for their review prior to construction.
6. Upon receipt of comments from the Owner for the 50% design submittal, prepare 90% construction plans, specifications for bidding, and opinion of probable construction cost. The 90% plans will include all plan sheets that were included in the 50% submittal, plus paving details, drainage and driveway culvert details, erosion control details, and any other details needed for construction.

7. Submit three (3) copies of the 90% plans, specifications, and opinion of probable construction cost to the Owner. Attend one review meeting with the Owner for the 90% submittal.
8. Upon receipt of comments from the Owner for the 90% design submittal, prepare 100% plans, specifications, contract documents, bid form with quantities, and opinion of probable construction cost.
9. Submit three (3) copies of the 100% (Final) plans, specifications, and opinion of probable construction cost to the Owner.

B. BID OR NEGOTIATION PHASE. Upon completion of the design services and approval of Final drawings and specifications by Owner, FNI will proceed with the performance of services in this phase as follows:

1. Assist Owner in securing bids. Issue a Notice to Bidders to prospective contractors and vendors listed in FNI's database of prospective bidders, and to selected plan rooms. Provide a copy of the notice to bidders for Owner to use in notifying construction news publications and publishing appropriate legal notice. The cost for publications shall be paid by Owner.
2. Maintain information on entities that have been issued a set of bid documents. Distribute information on plan holders to interested contractors and vendors on request.
3. Assist Owner by responding to questions and interpreting bid documents. Prepare and issue addenda to the bid documents to plan holders if necessary.
4. At Owner request, FNI will assist Owner in the opening, tabulating, and analyzing the bids received. Review the qualification information provided by the apparent low bidder to determine if, based on the information available, they appear to be qualified to construct the project. Recommend award of contracts or other actions as appropriate to be taken by Owner. Pre-qualification of all prospective bidders and issuing a list of eligible bidders prior to the bid opening is an additional service.
5. Assist the Owner in conducting a pre-bid conference for the construction projects and coordinate responses with Owner. Response to the pre-bid conference will be in the form of addenda issued after the conference. Attend the tour of the project site after the pre-bid conference.
6. Assist Owner in the preparation of Construction Contract Documents for construction contracts. Provide ten (10) sets of Construction Contract Documents which include information from the apparent low bidders bid documents, legal documents, and addenda bound in the documents for execution by the Owner and construction contractor. Distribute five (5) copies of these documents to the contractor with a notice of award that includes directions for the execution of these documents by the construction contractor. Provide Owner with the remaining five (5) copies of these documents for use during construction. Additional sets of documents can be provided as an additional service.
7. Furnish contractor copies of the drawings and specifications for construction pursuant to the General Conditions of the Construction Contract.

C. CONSTRUCTION PHASE: Upon completion of the bid or negotiation phase services, FNI will proceed with the performance of construction phase services as described below. FNI will endeavor to protect Owner in providing these services however, it is understood that FNI does not guarantee the Contractor's performance, nor is FNI responsible for supervision of the Contractor's operation and employees. FNI shall not be responsible for the means, methods, techniques, sequences or procedures of construction

selected by the Contractor, or any safety precautions and programs relating in any way to the condition of the premises, the work of the Contractor or any Subcontractor. FNI shall not be responsible for the acts or omissions of any person (except its own employees or agents) at the Project site or otherwise performing any of the work of the Project.

These services are based on the use of FNI standard General Conditions for construction projects. Modifications to these services required by use of other general conditions or contract administration procedures are an additional service. If general conditions other than FNI standards are used, the Owner agrees to include provisions in the construction contract documents that will require the construction contractor to include FNI and its subconsultant's on this project to be listed as an additional insured on contractor's insurance policies.

1. Assist Owner in conducting one pre-construction conference with the Contractor, review construction schedules prepared by the Contractor pursuant to the requirements of the construction contract, and prepare a proposed estimate of monthly cash requirements of the Project from information provided by the Construction Contractor.
2. Review contractor's submittals, including requests for information, modification requests, shop drawings, schedules, and other submittals in accordance with the requirements of the construction contract documents for the projects.
3. Based on FNI's observations as an experienced and qualified design professional and review of the Payment Requests and supporting documentation submitted by Contractor, determine the amount that FNI recommends Contractor be paid on monthly and final estimates, pursuant to the General Conditions of the Construction Contract.
4. Make two (2) visits appropriate to the stage of construction to the site (as distinguished from the continuous services of a Resident Project Representative) to observe the progress and the quality of work and to attempt to determine in general if the work is proceeding in accordance with the Construction Contract Documents. In this effort FNI will endeavor to protect the Owner against defects and deficiencies in the work of Contractors and will report any observed deficiencies to Owner. Visits to the site in excess of the specified number are an additional service.
5. Notify the contractor of non-conforming work observed on site visits. Review quality related documents provided by the contractor such as test reports, equipment installation reports or other documentation required by the Construction contract documents.
6. Interpret the drawings and specifications for Owner and Contractor(s). Investigations, analyses, and studies requested by the Contractor(s) and approved by Owner, for substitutions of equipment and/or materials or deviations from the drawings and specifications is an additional service.
7. Conduct, in company with Owner's representative, a final review of the Project for conformance with the design concept of the Project and general compliance with the Construction Contract Documents. Prepare a list of deficiencies to be corrected by the contractor before recommendation of final payment. Assist the City in obtaining legal releases, permits, warranties, spare parts, and keys from the contractor. Review and comment on the certificate of completion and the recommendation for final payment to the Contractor(s). Visiting the site to review completed work in excess of one trip is an additional service.
8. Revise the construction drawings in accordance with the information furnished by construction Contractor(s) reflecting changes in the Project made during construction. Two (2) sets of prints of "Record Drawings" shall be provided by FNI to Owner.

ARTICLE II

ADDITIONAL SERVICES: Additional Services to be performed by FNI, if authorized by Owner, which are not included in the above described basic services, are described as follows:

- A. Field layouts or the furnishing of construction line and grade surveys.
- B. GIS mapping services or assistance with these services.
- C. Making property, surveys, preparation of easement and deed descriptions, including title search and examination of deed records.
- D. Providing services to investigate existing conditions or facilities, or to make measured drawings thereof, or to verify the accuracy of drawings or other information furnished by Owner.
- E. Providing renderings, model, and mock-ups requested by the Owner.
- F. Making revisions to drawings, specifications or other documents when such revisions are 1) not consistent with approvals or instructions previously given by Owner or, 2) due to other causes not solely within the control of FNI.
- G. Assisting Owner in the defense or prosecution of litigation in connection with or in addition to those services contemplated by this Agreement. Such services, if any, shall be furnished by FNI on a fee basis negotiated by the respective parties outside of and in addition to this Agreement.
- H. Providing basic or additional services on an accelerated time schedule. The scope of this service include cost for overtime wages of employees and consultants, inefficiencies in work sequence and plotting or reproduction costs directly attributable to an accelerated time schedule directed by the Owner.

ARTICLE III

TIME OF COMPLETION: FNI is authorized to commence work on the Project upon execution of this Agreement and agrees to complete the services in accordance with the following schedule:

50% Design Submittal –	60 calendar days of FNI receipt of signed contract from Owner
90% Design Submittal –	30 calendar days of FNI receipt of Owner comments on 50% design submittal
100% Design Submittal –	15 calendar days of FNI receipt of Owner comments on 90% design submittal

If FNI's services are delayed through no fault of FNI, FNI shall be entitled to adjust contract schedule consistent with the number of days of delay. These delays may include but are not limited to delays in Owner or regulatory reviews, delays on the flow of information to be provided to FNI, governmental approvals, etc. These delays may result in an adjustment to compensation as outlined on the face of this Agreement and in Attachment CO.

ARTICLE IV

RESPONSIBILITIES OF Owner: Owner shall perform the following in a timely manner so as not to delay the services of FNI:

- A. Designate in writing a person to act as Owner's representative with respect to the services to be rendered under this Agreement. Such person shall have contract authority to transmit instructions, receive information, interpret and define Owner's policies and decisions with respect to FNI's services for the Project.
- B. Provide all criteria and full information as to Owner's requirements for the Project, including design objectives and constraints, space, capacity and performance requirements, flexibility and expandability, and any budgetary limitations; and furnish copies of all design and construction standards which Owner will require to be included in the drawings and specifications.
- C. Assist FNI by placing at FNI's disposal all available information pertinent to the Project including previous reports and any other data relative to design or construction of the Project.
- D. Arrange for access to and make all provisions for FNI to enter upon public and private property as required for FNI to perform services under this Agreement.
- E. Examine all studies, reports, sketches, drawings, specifications, proposals and other documents presented by FNI, obtain advice of an attorney, insurance counselor and other consultants as Owner deems appropriate for such examination and render in writing decisions pertaining thereto within a reasonable time so as not to delay the services of FNI.
- F. Furnish approvals and permits from all governmental authorities having jurisdiction over the Project and such approvals and consents from others as may be necessary for completion of the Project.
- G. Owner shall make or arrange to have made all subsurface investigations, including but not limited to borings, test pits, soil resistivity surveys, and other subsurface explorations. Owner shall also make or arrange to have made the interpretations of data and reports resulting from such investigations. All costs associated with such investigations shall be paid by Owner.
- H. Give prompt written notice to FNI whenever Owner observes or otherwise becomes aware of any development that affects the scope or timing of FNI's services, or any defect or nonconformance of the work of any Contractor.
- I. Furnish, or direct FNI to provide, Additional Services as stipulated in Attachment SC, Article II of this Agreement or other services as required.
- J. Bear all costs incident to compliance with the requirements of this Article IV.

ARTICLE V

DESIGNATED REPRESENTATIVES: FNI and Owner designate the following representatives:

Owner's Designated Representative

Name: _____

Address: _____

Phone: _____

Email: _____

Owner's Accounting Representative

Name: _____

Address: _____

Phone: _____

Email: _____

FNI's Project Manager –

Name: Spencer Maxwell

Address: 4055 International Plaza., Suite 200
Fort Worth, Texas 76109

Phone: (817) 735-7523

Email: sbm@freese.com

FNI's Accounting Representative –

Name: Erin Westbrook

Address: 4055 International Plaza., Suite 200
Fort Worth, Texas 76109

Phone: (817) 735-7523

Email: Erin.Westbrook@freese.com

Fee Summary

Basic Services	Task Fee
Geotechnical Investigation and Analysis	\$ 37,000
Final Roadway and Drainage Design - West 4th Street	\$ 46,200
Final Roadway and Drainage Design - North Main Street	\$ 28,900
Final Roadway and Drainage Design - Caddo Road	\$ 40,400
Basic Services Subtotal	\$ 152,500
Special Services	Task Fee
Bid Phase Services	\$ 9,600
Construction Phase Services	\$ 19,200
Special Services Subtotal	\$ 28,800
Project Total Fee	\$ 181,300

TERMS AND CONDITIONS OF AGREEMENT

1. **DEFINITIONS:** The term City as used herein refers to the City of Joshua, Texas. The term FNI as used herein refers to Freese and Nichols, Inc., its employees and agents; also its subcontractors and their employees and agents. As used herein, Services refers to the professional services performed by Freese and Nichols pursuant to the Agreement.
2. **CHANGES:** City, without invalidating the Agreement, may order changes within the general scope of the Work required by the Agreement by altering, adding to and/or deducting from the Work to be performed. If any change under this clause causes an increase or decrease in FNI's cost of, or the time required for, the performance of any part of the Services under the Agreement, an equitable adjustment will be made by mutual agreement and the Agreement modified in writing accordingly.
3. **TERMINATION:** The obligation to provide services under this Agreement may be terminated by either party upon ten days' written notice. In the event of termination, FNI will be paid for all services rendered and reimbursable expenses incurred to the date of termination and, in addition, all reimbursable expenses directly attributable to termination.
4. **CONSEQUENTIAL DAMAGES:** In no event shall FNI or its subcontractors be liable in contract, tort, strict liability, warranty, or otherwise for any special, indirect, incidental or consequential damages, such as loss of product, loss of use of the equipment or system, loss of anticipated profits or revenue, non-operation or increased expense of operation or other equipment or systems.
5. **INFORMATION FURNISHED BY CITY:** City will assist FNI by placing at FNI's disposal all available information pertinent to the Project including previous reports and any other data relative to design or construction of the Project. FNI shall have no liability for defects or negligence in the Services attributable to FNI's reliance upon or use of data, design criteria, drawings, specifications or other information furnished by City and City agrees to indemnify and hold FNI harmless from any and all claims and judgments, and all losses, costs and expenses arising therefrom. FNI shall disclose to City, prior to use thereof, defects or omissions in the data, design criteria, drawings, specifications or other information furnished by City to FNI that FNI may reasonably discover in its review and inspection thereof.
6. **INSURANCE:** FNI shall provide to City certificates of insurance which shall contain the following minimum coverage:

Commercial General Liability	Workers' Compensation
General Aggregate	Per State Statute
Automobile Liability (Any Auto)	Professional Liability
CSL	\$3,000,000 Annual Aggregate
\$2,000,000	\$1,000,000
7. **SUBCONTRACTS:** If, for any reason, at any time during the progress of providing Services, City determines that any subcontractor for FNI is incompetent or undesirable, City will notify FNI accordingly and FNI shall take immediate steps for cancellation of such subcontract. Subletting by subcontractors shall be subject to the same regulations. Nothing contained in the Agreement shall create any contractual relation between any subcontractor and City.
8. **OWNERSHIP OF DOCUMENTS:** All drawings, reports data and other project information developed in the execution of the Services provided under this Agreement shall be the property of the City upon payment of FNI's fees for services. FNI may retain copies for record purposes. City agrees such documents are not intended or represented to be suitable for reuse by City or others. Any reuse by City or by those who obtained said documents from City without written verification or adaptation by FNI will be at City's sole risk and without liability or legal exposure to FNI, or to FNI's independent associates or consultants, and City shall indemnify and hold harmless FNI and FNI's independent associates and consultants from all claims, damages, losses and expenses including attorneys' fees arising out of or resulting therefrom. Any such verification or adaptation will entitle FNI to further reasonable compensation. FNI may reuse all drawings, report data and other project information in the execution of the Services provided under this Agreement in FNI's other activities. Any reuse by FNI will be at FNI's sole risk and without liability or legal exposure to City, and FNI shall indemnify and hold harmless City from all claims, damages, losses and expenses including attorneys' fees arising out of or resulting therefrom.
9. **POLLUTANTS AND HAZARDOUS WASTES:** It is understood and agreed that FNI has neither created nor contributed to the creation or existence of any hazardous, radioactive, toxic, irritant, pollutant, or otherwise dangerous substance or condition at the site, if any, and its compensation hereunder is in no way commensurate with the potential risk of injury or loss that may be caused by exposures to such substances or conditions. The parties agree that in performing the

Services required by this Agreement, FNI does not take possession or control of the subject site, but acts as an invitee in performing the services, and is not therefore responsible for the existence of any pollutant present on or migrating from the site. Further, FNI shall have no responsibility for any pollutant during clean-up, transportation, storage or disposal activities.

10. **OPINION OF PROBABLE COSTS:** FNI will furnish an opinion of probable project development cost based on present day cost, but does not guarantee the accuracy of such estimates. Opinions of probable cost, financial evaluations, feasibility studies, economic analyses of alternate solutions and utilitarian considerations of operations and maintenance costs prepared by FNI hereunder will be made on the basis of FNI's experience and qualifications and represent FNI's judgment as an experienced and qualified design professional. It is recognized, however, that FNI does not have control over the cost of labor, material, equipment or services furnished by others or over market conditions or contractors' methods of determining their prices.
11. **CONSTRUCTION REPRESENTATION:** If required by the Agreement, FNI will furnish Construction Representation according to the defined scope for these services. FNI will observe the progress and the quality of work to determine in general if the work is proceeding in accordance with the Contract Documents. In performing these services, FNI will endeavor to protect City against defects and deficiencies in the work of Contractors; FNI will report any observed deficiencies to City, however, it is understood that FNI does not guarantee the Contractor's performance, nor is FNI responsible for the supervision of the Contractor's operation and employees. FNI shall not be responsible for the means, methods, techniques, sequences or procedures of construction selected by the Contractor, or the safety precautions and programs incident to the work of the Contractor. FNI shall not be responsible for the acts or omissions of any person (except his own employees or agent) at the Project site or otherwise performing any of the work of the Project. If City designates a person to serve in the capacity of Resident Project Representative who is not a FNI's employee or FNI's agent, the duties, responsibilities and limitations of authority of such Resident Project Representative(s) will be set forth in writing and made a part of this Agreement before the Construction Phase of the Project begins.
12. **PAYMENT:** Progress payments may be requested by FNI based on the amount of services completed. Payment for the services of FNI shall be due and payable upon submission of a statement for services to City and in acceptance of the services as satisfactory by the City. Statements for services shall not be submitted more frequently than monthly. Any applicable new taxes imposed upon services, expenses, and charges by any governmental body after the execution of this Agreement will be added to FNI's compensation.

If City fails to make any payment due FNI for services and expenses within thirty (30) days after receipt of FNI's statement for services therefore, the amounts due FNI will be increased at the rate of one percent (1%) per month from said thirtieth (30th) day, and, in addition, FNI may, after giving seven (7) days' written notice to City, suspend services under this Agreement until FNI has been paid in full, all amounts due for services, expenses and charges.

13. **ARBITRATION:** No arbitration arising out of, or relating to, this Agreement involving one party to this Agreement may include the other party to this Agreement without their approval.
14. **SUCCESSORS AND ASSIGNMENTS:** City and FNI each are hereby bound and the partners, successors, executors, administrators and legal representatives of City and FNI are hereby bound to the other party to this Agreement and to the partners, successors, executors, administrators and legal representatives (and said assigns) of such other party, in respect of all covenants, agreements and obligations of this Agreement.

Neither City nor FNI shall assign, sublet or transfer any rights under or interest in (including, but without limitation, moneys that may become due or moneys that are due) this Agreement without the written consent of the other, except to the extent that any assignment, subletting or transfer is mandated by law or the effect of this limitation may be restricted by law. Unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under this Agreement. Nothing contained in this paragraph shall prevent FNI from employing such independent associates and consultants as FNI may deem appropriate to assist in the performance of services hereunder.

15. **PURCHASE ORDERS:** If a Purchase Order is used to authorize FNI's Services, only the terms, conditions/instructions typed on the face of the Purchase Order shall apply to this Agreement. Should there be any conflict between the Purchase Order and the terms of this Agreement, then this Agreement shall prevail and shall be determinative of the conflict.

CITY OF JOSHUA ENGINEERING DESIGN STANDARDS AND SPECIFICATIONS



ADOPTED
_____, 2021

ENGINEERING DESIGN STANDARDS AND SPECIFICATIONS

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PART 1. GENERAL

1.1 PURPOSE

The purpose of the Engineering Design Standards and Specifications (EDSS) manual is to provide a set of guidelines for designing water, sewer, streets, drainage facilities, and other public improvements, and for preparing construction plans and specifications for such facilities which are to be owned, operated, and/or maintained by the City of Joshua, Texas.

1.2 APPLICABILITY

The scope of the Engineering Design Standards and Specifications manual includes the various design elements, standards, and instructions required for the design of water lines, wastewater lines, streets and arterials, drainage facilities, and other public improvements. These guidelines shall be used by the City and consulting engineers for both public and private developments in the City of Joshua and its extra-territorial jurisdiction (ETJ). This manual also applies to redevelopment and additions to previously developed and subdivided areas. These guidelines shall also be used for plat approval, the issuance of building and earthwork/grading permits, construction plan approval by the City, site plan approval, and for other construction within public right-of-way and easements.

1.3 AUTHORIZATION

The guidelines provided in the manual shall be effective immediately upon adoption by the City of Joshua. The engineer of record shall bear sole responsibility for meeting the engineering standard of care for all aspects of the design, meeting the City's design and construction requirements, and providing a design that is suitable to the site-specific conditions and intended use of the facilities. The design criteria may be modified by administrative action and subsequent City ordinance at such times as may be appropriate.

1.4 CORRELATION TO SUBDIVISION ORDINANCE

The Engineering Design Standards and Specifications manual and City of Joshua Subdivision Ordinance are complementary, and what is required by one document shall be binding as if required by both. In case of conflict between the EDSS manual and the Subdivision Ordinance, the more stringent criteria shall apply.

1.5 ADOPTION OF NCTCOG SPECIFICATIONS AND STANDARDS

The specifications and standards set forth by the latest edition of the North Central Texas Council of Governments (NCTCOG) *Public Works Construction Standards* shall be used for all projects

within the City except as modified by this manual. In case of conflict between the NCTCOG standards and the criteria described in this manual, the criteria described in this manual shall take precedence.

PART 2. WATER AND SEWER

The City of Joshua does not own or operate any water distribution or wastewater collection systems. The City is served by the Johnson County Special Utility District (JCSUD) and the Bethesda Water Supply Corporation for these utilities. The area served by each provider can be determined by contacting the Texas Commission on Environmental Quality (TCEQ). The design of these systems should be coordinated with the facility owner. The requirements of the facility owner are in addition to the requirements below.

2.1 WATER

2.1.1 Capacity Standards

Water distribution systems should be designed for domestic flow demands in addition to fire flow demands in accordance with PUC/TCEQ regulations. A minimum available fire flow of 1000 gpm shall be provided in all single family areas. A minimum available fire flow of 1500 gpm shall be provided in other areas or where future extensions are expected to serve non-single family properties. The fire chief is authorized to increase or decrease the required available fire flows as authorized by and pursuant to the International Fire Code as adopted at the time of Plat approval. Evidence that the required fire flow will be available shall be presented to the City Engineer before approval of the Preliminary Plat. Where development is proposed in areas of existing service, the available fire flow capacity shall be determined by the provider and provided to the City Engineer and Fire Marshal.

2.1.2 Fire Hydrants

Fire hydrants shall be installed at each street intersection and at a minimum of five hundred foot spacing along the street in single family areas and three hundred foot spacing in other areas. This requirement applies to extensions of water lines that are 6 inches and larger along existing roads without hydrants.

For single family occupancy, no buildable portion of the lot shall be more than 600 foot hose lay from a hydrant. In other areas, no point of the perimeter of any structure shall be more than 400 foot hose lay from a hydrant. This distance is measured along a fire lane or public roadway if the distance is more than 150 feet. The Fire Marshal may waive or modify these requirements.

Fire hydrants shall be installed no more than 9 feet and no less than 2 feet from the edge of pavement. Hydrants should not be located in sidewalks or within ditches and shall have 3 feet clear on all sides.

2.1.3 Backflow Prevention

All fire lines are required to have a double gate detector check valve backflow preventer assembly. The maximum length of line from the main to the backflow preventer is 100 feet.

Irrigation systems are required to have a double check valve backflow preventer assembly installed at the meter or tap location.

Backflow prevention assemblies may be required for other installations based on occupancy of the affected facility or as required by code.

2.2 **SEWER**

2.2.1 Capacity Standards

The sewer service provider is solely responsible to verify adequate capacity is available in their system for any proposed flows. The provider's acceptance of the plans is required to indicate capacity is available.

2.3 **POLICY ON WELL AND SEPTIC**

In all cases, connection to a public water distribution system is required to provide adequate water service to a property. The property owner and/or service provider are responsible for the extension of service to any location to be considered for development.

Connection must be made to a public wastewater collection system except where proposed lots are a half acre or more in area and approved by the City Engineer. If, under unusual circumstances, a lot is not served by a public water supply then it must be an acre or more in area. On-site sewage facilities must be permitted by the City of Joshua. A plan showing the type of facility and location within the lots must be submitted to the City for review. Rules for permitting, design, and construction of OSSF shall be in accordance with Title 30 TAC, Chapter 285, Subchapters A& D.

PART 3. STREETS

3.1 TRAFFIC IMPACT ANALYSIS (TIA) STANDARDS

The Traffic Impact Analysis Standards supplement the requirements established in the City of Joshua Subdivision Ordinance. These standards outline staff's expectations and facilitate a coordination of the scope, analysis contents, parameters and assumptions of a TIA.

3.1.1 Purpose

The purpose of a TIA is to assess the effects of specific development activity on the existing and planned roadway system.

3.1.2 When a TIA is Required

- A. A TIA is required with every application for a proposed development that generates traffic in excess of one thousand (1,000) average daily trips based on data published in the latest edition of the Institute of Transportation Engineers (ITE) *Trip Generation Manual*; or,
- B. When the City Engineer determines that the characteristics of the proposed subdivision necessitate analysis.
- C. An updated TIA is required with submittal of a final plat if, in the opinion of the City Engineer, the final plat changes significantly (i.e., adds lots, modifies or adds street connections, etc.) from an approved Preliminary Plat.
- D. All or a portion of the requirement for the TIA may be waived by the City Engineer depending upon the size and potential impact of the proposed subdivision and the traffic to be generated. Waivers will be considered on a case-by-case basis upon submittal of a waiver request and corresponding City Engineer review. Technical justification must be provided by the applicant when requesting the waiver.

3.1.3 TIA Requirements

- A. All elements of the TIA must be prepared under direct supervision of and signed, stamped and dated by a Professional Engineer licensed to practice in the State of Texas with specific expertise in transportation and traffic engineering, preferably certified as a Professional Traffic Operations Engineer.
- B. The analysis is required to contain at a minimum, the following:
 - 1. Traffic Analysis Map
 - a. Land Use, Site and Study Area Boundaries, as defined

- b. Existing and Proposed Site Uses
 - c. Proposed Land Uses on both sides of boundary streets for all parcels within the study area for TIAs where land use is the basis for estimating projected and existing traffic volumes
 - d. Existing and Proposed Roadways and Intersections of boundary streets within the study area of the subject property, including geometrics, traffic signal control, and volumes
 - e. All major driveways and intersecting streets adjacent to the property will be illustrated in sufficient detail to serve the purposes of illustrating traffic function. This may include showing lane widths, traffic islands, medians, sidewalks, curbs, traffic control devices (traffic signs, signals, and pavement markings), and a general description of the existing pavement condition.
 - f. Photographs of adjacent streets of the development and an aerial photograph showing the study area
2. Trip Generation and Design Hour Volumes
- a. A trip generation summary table listing each type of land use, the building size assumed, average trip generation rates used (total daily traffic and a.m./p.m. peaks), and total trips generated shall be provided. Trip generation information is to be based on data published in *Trip Generation*, latest edition, by the Institute of Transportation Engineers (ITE).
 - b. Vehicular trip generation may be discounted in recognition of other reasonable and applicable modes, e.g., transit, pedestrian or bicycles. Trip generation estimates may also be discounted through the recognition of pass by trips and internal site trip satisfaction. All such estimates shall be subject to the approval of the City.
- C. Proposed trip generation calculations for single-story commercial properties shall be based on a floor-to-area (building size to parcel size) ratio of 0.25 or more.
- 1. Trip Distribution (provide figure by Site Exit/Entrance). The estimates for percentage distribution of trips by turning movements to/from the proposed development.
 - 2. Trip Assignment (provide figure by site entrance and boundary street). The direction of approach of site-attracted traffic via the area's street system.
 - 3. Existing and Projected Traffic Volumes (provide figure for each item). Existing traffic volumes are the numbers of vehicles on the streets of interest during the time periods listed below, immediately prior to the beginning of construction of the land development project.

Projected traffic volumes are the number of vehicles, excluding the site-generated traffic, on the streets of interest during the time periods listed below, in the build-out year.

- a. A.M. peak hour site traffic (including turning movements) if significant impact
 - b. P.M. peak hour site traffic (including turning movements)
 - c. Weekend peak hour site traffic (including turning movements)
 - d. A.M. peak hour total traffic including site-generated traffic and projected traffic (including turning movements)
 - e. P.M. peak hour total traffic including site-generated traffic and projected traffic (including turning movements)
 - f. Weekend peak hour total traffic including site-generated traffic and projected traffic (including turning movements)
 - g. For special situations where peak traffic typically occurs at non- traditional times, e.g., major sporting venues, entertainment venues, large specialty Christmas stores, etc., any other peak hour necessary for complete analysis (including turning movements)
 - h. Total daily existing traffic for street system in study area
 - i. Total daily existing traffic for street system in study area and new site traffic
 - j. Total daily existing traffic for street system in study area plus new site traffic and projected traffic from build-out of study area land uses
4. Capacity Analysis (provide Analysis Sheets in Appendices)
- a. A capacity analysis shall be conducted for all public streets, intersections and junctions of major driveways with public streets, which are significantly impacted (as designated by the City), by the proposed development within the previously defined study boundary.
 - b. Capacity analysis will follow the principles established in the latest edition of the Transportation Research Board's *Highway Capacity Manual (HCM)*, unless otherwise directed by the City. Capacity will be reported in quantitative terms as expressed in the *HCM* and in terms of traffic level of service.
 - c. Capacity analysis will include traffic queuing estimates for all critical applications where the length of queues is a design parameter, e.g., auxiliary turn lanes and at traffic gates.

5. Level of Service Determination

- a. A table indicating the level of service for near-term and long-term traffic projections for all streets within the study area shall be included.
- b. Level of service “C” is the design objective for all movements. Under no circumstances shall the level of service be less than “D” unless deemed acceptable for site and non-site traffic by the City Engineer.

6. Conclusions and Recommendations

- a. The TIA must include a summary of the findings regarding impacts of the proposed development on the existing and proposed street system.
- b. If the analysis indicates unsatisfactory levels of service or safety problems, a detailed description of proposed improvements to remedy deficiencies and a sketch of each improvement showing pertinent geometric features shall be included. Assumptions regarding future capacity recommendations shall be approved by the City Engineer.
- c. For phased construction projects, implementation of traffic improvements must be accomplished prior to the completion of the project phase for which the capacity analyses show that they are required. Plats for project phases subsequent to a phase for which a traffic improvement is required may be approved only if the traffic improvements are completed or bonded.

7. Other Items

- a. The City Engineer may require other items be included in the TIA in addition to those listed above.

3.2 FUNCTIONAL CLASSIFICATION AND STREET DIMENSIONS

This section further defines the functional classifications, street types, and design dimensions defined in the City of Joshua Comprehensive Land Use Plan, the Master Thoroughfare Plan and Subdivision Ordinance.

3.2.1 Street Classification

Street classifications and standard dimensions for each street section designation are listed in the following table.

Table 3.1 Street Classifications and Standard Dimensions

Functional Classification	Dimensional Classification	Section Designation	Lane Width (ft) ¹	Pavement Width (ft) ²	Shoulder Width (ft) ³	Median Width (ft) ¹	Parkway Width (ft) ²	Normal ROW (ft)
Principal Arterial	7-Lane Undivided	P7U	6-12	87	n/a	14 ⁴	16.5	120
	4-Lane Divided	P4D	4-12	50	n/a	15	18	100
	4-Lane Undivided	P4U	4-12	49	n/a	n/a	15.5	80
Minor Arterial	4-Lane Undivided	M4U	4-11	45	n/a	n/a	17.5	80
Collector	4-Lane Undivided	C4U	4-11	45	n/a	n/a	12.5	70
	2- Lane	C2U	2-18	37	n/a	n/a	11.5	60
	Rural	C2U-R	2-11	28	3	n/a	16	60
Local	Urban	L2U	2-15	31	n/a	n/a	9.5	50
	Rural	L2U-R	2-11	28	3	n/a	11	50

¹ Measured from face of curb

² Measured from back of curb or edge of shoulder

³ Measured from edge of pavement

⁴ Two Way Left-turn Lane

3.3 ACCESS CONTROL

The following standards shall be used in the location of street intersections, median openings, and driveway approaches which affect access to streets from adjoining properties. Section 3.4.2 Street Design Elements provides the geometric design requirements for streets, medians, and driveway approaches.

3.3.1 Intersections and Median Openings

A. Intersection Requirements

1. All street intersections along one side of an existing cross-street must, wherever practical, align with existing intersections on the opposite side of the cross street.
2. There shall be a minimum of 2,000 feet between intersections of arterial streets and/or collector streets.
3. Block lengths shall be in accordance with the Subdivision Ordinance.

B. Median Opening Requirements

1. Spacing is measured between the centerlines of the median openings.
2. Spacing between median openings should be no more than 1,200 feet.
3. Mid-block median openings and median openings serving non-arterial streets and driveway approaches along a divided thoroughfare should occur no closer than 300 feet.
4. Median openings shall not occur in left turn storage lanes or left turn transition curb areas.
5. Median openings shall be located wherever feasible to serve both sides of the street.
6. Median opening noses are typically 12-15 feet beyond the projection of the curb or driveway edge.
7. Median openings may require the construction of left turn lanes. Typical storage length is 150 feet with 150 feet transition. Storage lengths may be altered based on projected traffic volumes.
8. Existing median openings may be relocated if:
 - a. The existing opening does not provide service to a public or private street.
 - b. The proposed median opening meets the spacing requirements stated herein.
 - c. The existing opening is no longer in use and the owners of the properties being served by the existing opening sign a document requesting or approving the change, and the document is approved by the City Engineer.
 - d. If approved, all costs associated with the median opening shall be paid by the Owner/ Developer.

3.3.2 Drive Approaches

- A. Streets shall be designed to conform to existing or proposed driveway openings.
- B. Where a residential subdivision will abut or contain an existing or proposed arterial street, driveway access to the thoroughfare is prohibited.
- C. To the greatest extent possible, no more than 20 percent of the total centerline length of a residential collector street may have residential lots fronting onto the collector on each side of the street without construction of a wider alternative section.
- D. Driveway approaches including turnout curb transitions shall be located entirely within the frontage of the property served by the approach.

3.4 GEOMETRIC DESIGN

3.4.1 Design Criteria

All engineering designs shall be based on national standards and best practices. The American Association of State Highway and Transportation Officials (AASHTO) published *A Policy on Geometric Design of Highways and Streets*, referred to as the AASHTO Green Book. This manual is updated periodically and contains design considerations and criteria applicable to roadway design. The AASHTO Green Book shall be used for guidance for designing geometrics, including intersection design, and other street features. The National Association of City Transportation Officials (NACTO) *Urban Street Design Guide* shall be considered where AASHTO does not fully address city street issues. Roadway designs should comply with the following standards.

A. Intersections Standards

1. An intersection shall not have more than four street approaches.
2. No offset is permitted at intersections of two thoroughfares.
3. When conditions require the centerlines of local streets to be offset, a minimum of 125 feet offset distance is required for local street intersections and 200 feet offset distance for thoroughfare street intersections. Centerline offsets less than the minimum must be approved by the City Engineer. Offsets greater than the minimum may be required by the City Engineer when necessary for traffic safety.
4. No street intersecting an arterial street should vary from a 90-degree angle of intersection by more than 5 degrees. Streets intersecting collector streets should not vary from a 90-degree angle of intersection by more than 10 degrees. All other street intersections should not vary from a 90 degree angle of intersection by more than 15 degrees.

B. Design Speed

1. All streets shall be designed to accommodate the design speeds in the following table.

Table 3.2: Street Type Design Speed

Functional Classification	Section Designation	Design Speed (MPH)
Principal Arterial	P7U	50
	P4D	45
	P4U	45
Minor Arterial	M4U	45
Collector	C4U	40
	C2U	35
	C2U-R	35
Local	L2U	30
	L2U-R	30

C. Horizontal and Vertical Control

1. Horizontal Control - All plans submitted to the City shall be prepared using the NAD83 State Plane Grid Coordinate System.
2. Vertical Control - Vertical control shall be tied to NGVD 29.

D. Minimum Radius

1. The required radius for curb returns at intersections shall be as follows:

<u>Street Types</u>	<u>Min Radius</u>
Arterial / Arterial	30 feet
Arterial / Collector	30 feet
Arterial / Local	30 feet
Collector / Collector	30 feet
Collector / Local	30 feet
Local / Local	20 feet

2. The minimum radius from the face of curb on a cul-de-sac shall be 40 ft.

E. Sight Distance

At controlled or uncontrolled intersections of any public street, sight triangles (visibility triangles) are required. The sight triangle shall be the triangle made by extending 25 feet along each property line from the property corner at an intersection. Within this triangle there shall be no tree, shrub, plant, sign, soil, fence, retainer wall or other view obstruction having a height greater than 2 feet. This height shall be measured above a line drawn between the top of curb or edge of pavement of both streets at the point where the referenced line intersects the top of curb or edge of pavement.

An intersection sight distance analysis in accordance with the AASHTO Green Book (the chapter titled *Intersections*) should be undertaken to confirm that sufficient stopping distance is available.

Additional sight distance may be required based on topography, roadway curvature, vegetation or other sight hindrance. The AASHTO Green Book describes the process the designer should follow to determine whether a vehicle entering or crossing an intersection from a minor road can see, and be seen by, a vehicle on the major road when there is an obstruction, such as a change in the vertical profile of the road, in time to avoid a collision (section titled *Identification of Sight Obstructions within Sight Triangles*).

Deviations from the minimum intersection sight distance requirements may be allowed provided that the owner has demonstrated that the area proposed will provide adequate sight distance based on AASHTO standards. All deviations must be approved by the City Engineer.

3.4.2 Street Design Elements

A. Horizontal Alignment

1. The curvilinear requirements in the Subdivision Ordinance must be accommodated.
2. The following minimum centerline radii shall be used in the design of all street construction.

<u>Street Type</u>	<u>Min Centerline Radius</u>
Arterial	1040 feet
4-lane Collector	765 feet
2-lane Collector	510 feet
Local	335 feet
Cul-de-sacs	50 feet radius to right-of-way line

3. Reverse curves shall be separated by a tangent section in accordance with the following table:

<u>Street Type</u>	<u>Min Tangent Length</u>
Arterial	100 feet
4-lane Collector	100 feet
2-lane Collector	50 feet
Local	As approved by City Engineer

4. Major collector or arterial roadways intersecting other major collector/arterial roadways shall have the following minimum horizontal centerline approach tangent section length as measured from the nearest right-of-way line of the intersecting street, unless such requirement is waived by the City Engineer.

<u>Street Type</u>	<u>Intersecting with</u>	<u>Min Approach Tangent</u>
Arterial	Arterial	200 feet
4-lane Collector	Arterial	150 feet
4-lane Collector	4-lane Collector	100 feet

B. Vertical Alignment

1. All streets shall be designed and constructed to a minimum grade of 0.5%; unless the required geotechnical report indicates the soil has a PI greater than or equal to 40, a minimum grade of 1% shall be required. All streets shall have a maximum grade as follows:

<u>Street Type</u>	<u>Maximum Grade</u>
Arterial	6.0%
Collector	8.0%
Local	10.0%

2. In order to maintain adequate sight distance, all streets shall be designed and constructed to comply with the following minimum vertical curve length for each algebraic percent difference in grade K, where $K = \text{curve length (L)} / \text{algebraic difference in grade (A)}$. Grade changes where the algebraic percent difference is one percent or less are not required to use vertical curves for design speeds less than or equal to 45 mph.

<u>Street Type</u>	<u>Design Speed</u>	<u>Crest Curves (K)</u>	<u>Sag Curves (K)</u>
Arterial	45	65	80
4-lane Collector	40	45	65
2-lane Collector	35	30	50
Local	30	20	40

3. The following maximum intersection grades involving arterial and collector roadways shall be used at controlled intersections.

<u>Design Street Type</u>	<u>Intersecting with</u>	<u>Design Street Maximum Grade</u>	<u>Distance</u>
Arterial	Arterial	2%	300 feet
Arterial	4-lane Collector	3%	300 feet
4-lane Collector	Arterial	3%	200 feet
4-lane Collector	4-lane Collector	3%	200 feet
2-lane Collector/Local	Arterial/Collector	4%	150 feet

4. No valleys across arterials or collectors will be allowed. To accomplish a smooth transition, cross-fall toward the median of one lane of each thoroughfare may be required. The use of storm drainage inlets in the median shall be avoided if possible.

C. Street Cross Section

For curbed streets, the right-of-way shall be graded to drain to the street at a typical slope of 1/4 inch per foot. Street back slopes and embankment slopes shall not be steeper than 3:1. Streets shall typically be rooftop crowned with 2 percent cross slope unless otherwise approved by the City Engineer.

D. Sidewalks

1. All sidewalks shall conform to state regulations for barrier free construction.
2. Sidewalks shall be at least 4 feet wide in residential subdivisions and at least 5 feet wide in non-residential subdivisions and along arterials and collectors.
3. Sidewalks shall not be located within ditches.
4. One foot of width shall be added to all sidewalks abutting retaining walls.

E. Medians

1. The standard median width is 16 feet with a 6-foot-wide median in left turn lanes as measured from face of curb to face of curb.
2. All median areas which are less than 8 feet wide shall be paved with 4-inch-thick non-reinforced concrete median pavement. Alternate paving materials and designs may be used upon approval of the City Engineer.
3. Fall or rise in curb elevations across medians shall not exceed 1/2 inch per foot at any paving station. Differentials in curb elevations on narrow median strips will vary from 0 to 3 inches.

F. Driveway and Curb Openings

Design of driveways shall comply with applicable requirements of the City of Joshua Subdivision Ordinance and this manual.

1. Driveways should intersect streets at or near 90 degrees.
2. The driveway edge should be located equal to or greater than 5 feet from each side of the property line.
3. No portion of any driveway should be located within 3 feet of any fire hydrant, electrical pole, or any other surface public utility.
4. Driveways shall be designed with a sidewalk crossing meeting accessibility requirements.

5. The minimum driveway grade within the street right-of-way is set using 1/4 inch per foot (2 percent) rise above the top of curb to the property line. The elevation of a driveway at the right-of-way line shall be no lower than the top of curb to ensure proper street drainage is maintained.
6. The grade break at the gutter line, and at any point within 10 feet of the gutter line, must not exceed 12 percent in order to avoid car bumper drag from occurring. Streets with a 1/4 inch per foot crossfall to the gutter (-2 percent) will limit the maximum approach grade to 10 percent.
7. Driveway connections to rural road sections across bar ditches shall be installed in accordance with the following: The culvert shall be sized by the owner's engineer. The minimum culvert size is 15 inches and shall be reinforced concrete. For thoroughfares, the maximum slope from the edge of driveway to the top of culvert pipe shall be 6:1 and the end of the pipe shall have sloped end treatment. Positive grading shall be provided upstream and downstream so that drainage can flow through the culvert without ponding. Rural driveways shall have a minimum width along the pavement edge of 18 feet to facilitate turning movements.
8. Throat width at right-of-way shall be as follows:

Residential – 12-25 feet
Commercial – 25-35 feet
Industrial – 25-35 feet
9. Minimum curb radius shall be as follows:

Residential – 5 feet
Commercial – 10 feet
Industrial – 15 feet
10. Minimum centerline spacing of driveways shall be as follows:

<u>Type Street</u>	<u>Residential</u>	<u>Commercial</u>	<u>Industrial</u>
Arterial	n/a	100 feet	100 feet
4-lane Collector	100 feet	100 feet	100 feet
2-lane Collector	15 feet	45 feet	55 feet
Local	15 feet	45 feet	55 feet
11. Minimum distance from driveway to intersection shall be as follows (measured from the nearest driveway edge to the projected curb line of the intersecting street):

<u>Type Street</u>	<u>All Driveways</u>
Arterial / Arterial or 4-lane Collector	55 feet
Arterial / 2-lane Collector	40 feet
Collector / Local	40 feet
Local / Local	30 feet

3.4.3 Accessibility Requirements

All plans and specifications for the construction or alteration of public buildings and facilities, privately owned buildings and facilities and pedestrian facilities must be in compliance with the Texas Accessibility Standards (TAS) and must conform to the standards required by regulations issued by the Texas Department of Licensing and Regulation (TDLR), under the Architectural Barriers Act, codified as Article 9102, Texas Civil Statutes.

3.5 PAVEMENT STRUCTURE DESIGN

3.5.1 Pavement Design

All new roadways within the City of Joshua shall be constructed of reinforced Portland cement concrete or hot mix asphalt concrete pavements. The use of RAP (Reclaimed Asphalt Pavement) and RAS (Recycled Asphalt Shingles) is not allowed. Work and materials shall be in accordance with the North Central Texas Council of Governments *Public Works Construction Standards*, current edition. The following is minimum required pavement thickness for pavement and subgrade requirements for certain soil conditions for various street and thoroughfare types. Alternative pavement designs, if used, shall be performed in accordance with the Texas Department of Transportation (TXDOT) *Pavement Manual*, current edition.

3.5.2 Temporary Turnaround Pavement

Temporary turnarounds shall be constructed with a minimum section of 2" asphalt on 8" flex base. The subgrade shall be treated with lime or cement, as appropriate, to a minimum depth of 6".

Table 3.3 Minimum Pavement and Subgrade Thickness

Facility Type	Section Designation	Concrete Pavement			Asphalt Pavement			
		Concrete Thickness ¹	Subgrade Thickness		Asphalt Thickness ⁴	Subgrade Thickness		
			if P.I. ≤ 15, Cement Treat ²	if P.I. > 15, Lime Treat ³		Flex Base ⁵	if P.I. ≤ 15, Cement Treat ²	if P.I. > 15, Lime Treat ³
Principal Arterial	P7U	9"	10"	10"	3.5"	14"	10"	10"
	P4D & P4U	8"	10"	10"	3.5"	12"	10"	10"
Minor Arterial	M4U	8"	10"	10"	3.5"	12"	10"	10"
Collector	C4U	7"	8"	8"	3"	10"	8"	8"
	C2U & C2U-R	6"	6"	6"	2"	8"	8"	8"
Local	All Sections	6"	6"	6"	n/a	n/a	n/a	n/a
Driveways	All sections	6"	6"	6"	n/a	n/a	n/a	n/a

¹NCTCOG Class C with 3,600 psi 28 day compressive strength.

²Minimum 3% by dry unit weight of Portland cement.

³Minimum 6% by dry unit weight of hydrated lime.

⁴NCTCOG Type D asphaltic concrete fine surface course.

⁵Crushed limestone compacted to 95% standard proctor density at optimum moisture.

3.5.3 Geotechnical Investigation

A. A geotechnical investigation must be performed for all new developments containing public streets. The investigation must be based on samples obtained from drilling or from excavations on the site. The geotechnical investigation must be performed by a qualified geotechnical firm. A report with findings and recommendations must be prepared and shall bear the seal of a Professional Engineer licensed in the State of Texas. As a minimum, the study must address the following:

1. General soil and groundwater conditions
2. Earthwork recommendations
3. Recommendations for pavement subgrade treatment type, depth, and concentration
4. Guidelines for concrete and / or HMA pavement construction

B. Samples must be tested in a laboratory. Tests must include as a minimum:

1. Moisture content and soil identification
2. Liquid and plastic limit determination
3. Unit weight determination
4. Eades and Grim lime series tests
5. Soluble sulfate tests

3.5.4 Pavement Widening

Pavement widening projects may require a special pavement analysis and alternate pavement subgrade design. If the subgrade soil P.I. exceeds 20, a special pavement analysis shall be performed by the designer and, if warranted, the designer shall perform a special pavement subgrade design. When existing pavement sections are widened or when old pavement is removed and replaced with a widened section, differential upward pavement deflections can occur over short distances in a transverse direction (across the width) due to non-uniformity of subgrade moisture conditions.

A. Sample borings shall be drilled along the proposed alignment to determine the differential in potential vertical rise (PVR) value between the existing paved and unpaved areas:

1. Sample borings shall be drilled on 1,000 foot spacing along the existing pavement and 500 foot spacing along the proposed (unpaved) area.
2. Moisture content tests, hand penetrometer tests and swell tests shall be performed to determine the differential soil PVR along the proposed alignment.

B. If the differential PVR exceeds 2 inches, the designer shall propose an alternate pavement subgrade design that shall reduce the differential PVR to less than two 2 inches.

3.5.5 Pavers and Other Materials

Special paving treatments can be selected from a range of options including unit concrete pavers, bricks, textured and colored concrete, natural stone pavers, and concrete with exposed or special aggregate or other finish treatments. Design detailing must address the needs of ADA and TAS compliance in areas of crosswalks or walkways. In all locations within public rights-of-way, the materials must perform for the serviceable life of the street without significant degradation or requiring ongoing maintenance by the City.

3.6 PERMANENT PAVEMENT MARKINGS AND SIGNAGE

Permanent pavement markings and signage shall be installed in accordance with the *Texas Manual on Uniform Traffic Control Devices* (TMUTCD), current edition, and the direction of the City Engineer.

3.7 LANDSCAPING SYSTEMS

The following standards shall be used for landscaping public rights-of-way. These requirements do not replace those required by Zoning or other ordinances.

3.7.1 Requirements

- A. All unpaved public medians and parkways shall be landscaped with a minimum of 4 inches of topsoil, sodded or seeded and irrigated with a properly designed and installed system.
- B. Minimum landscape requirements will be established by the City.
- C. Trees or upright plantings must not be planted within 30 feet of intersections or utility poles. The City may require greater setback for safety based on line-of-sight issues.
- D. An 8-inch wide concrete mow strip shall be installed between all planting beds and grassed areas.
- E. No plantings or irrigation facilities shall be permitted within median areas 5 feet or less in width or in median noses.
- F. Seeded or sodded areas of medians shall be bermed a minimum of 6 inches.
- G. Only trees with a mature height less than 30 feet may be planted closer than 20 feet either side of an overhead line. No trees shall be directly under utility lines.
- H. Trees to be planted within the medians of divided roadways that are ultimately planned for widening by constructing additional lanes in the median shall not be planted within the path of future lanes. Trees shall not be planted within 5 feet of existing or proposed curbs. Future lane widening shall be shown on the landscape plans.
- I. Trees shall not be planted within 5 feet of existing or proposed water lines or within easements.
- J. Irrigation systems in public rights-of-way shall be designed by an individual with a valid irrigation license granted by the State of Texas.

3.7.2 Metering

All water usage shall be metered and paid for by the developer until landscaping is accepted by the City. Developers shall pay all fees required by the water provider, including impact fees/system development fees for any water meter to be installed.

3.8 STREET LIGHTING REQUIREMENTS

Streetlights shall be designed and installed in accordance with the following criteria:

3.8.1 Street Lighting Type

- A. All lights will be 100 watt high pressure sodium mounted on a galvanized steel pole using underground wiring at a minimum 25 foot height above the roadway surface for local streets and 30 foot for collectors and arterials.
- B. Street lighting shall be designed for thoroughfares to meet the lighting criteria in the latest version of the Illuminating Engineering Society (IES) Roadway Lighting Report 8 and the latest version of the National Electric Code (NEC).
- C. Decorative lights may be approved on a case by case basis.

3.8.2 Placement and Spacing

- A. Lights will be placed at all street intersections except at thoroughfares where median lighting is existing.
- B. Lights will be spaced a maximum of 600 feet along local and collector streets. Lights will be spaced a maximum of 200 feet along arterial streets.
- C. Additional lights may be required for intersections, in cul-de-sacs, and where curves or grades require additional lighting.
- D. All cul-de-sacs longer than 200 feet from centerline of street to center point of cul-de-sac shall have a light at the street intersection and at the end of the cul-de-sac.
- E. Lights shall be placed so as to gain the maximum use of existing and proposed physical characteristics.
- F. Electric service to the streetlight shall be underground.
- G. Streetlights shall not be constructed in conflict with the sidewalk.

PART 4. DRAINAGE

4.1 ADOPTION OF *iSWM TECHNICAL MANUAL*

The City of Joshua hereby adopts the methodologies and standards included in the NCTCOG *iSWM Technical Manual* for all drainage analysis and design within the boundary of the City and within its extraterritorial jurisdiction (ETJ). Clarifications and modifications to the *iSWM Technical Manual* shall be applied as indicated in the following sections.

4.2 ANALYSIS CRITERIA

The following section describes specific requirements for drainage analysis to supplement the techniques and methods described in the Hydrology and Hydraulics sections of the *iSWM Technical Manual*.

4.2.1 Peak Runoff

The Rational Method ($Q=CIA$) shall be used for calculating peak runoff from watersheds of 200 acres or less. For watersheds of more than 200 acres, methods generating runoff hydrographs shall be used.

A. Runoff Coefficients

The runoff coefficient shall be determined for each drainage area based on a weighted average of the land uses listed below.

Table 4.1: Runoff Coefficient Values

Land Use	C value
Single Family Residential ($\geq 3/4$ acre lots)	0.45
Single Family Residential (1/2 acre lots)	0.55
Single Family Residential (1/8 acre lots)	0.65
Multi-Family Residential	0.75
Commercial	0.85
Industrial	0.85
Parks and Undeveloped Areas	0.30

Runoff coefficients other than those listed above may be used if justified by the development site plan and approved by the City Engineer. Composite runoff coefficients will be determined by direct proportion when more than one land use exists within a drainage area. C_f factors shall not be applied to the runoff coefficients.

B. Intensity

Rainfall intensity shall be determined using the rainfall data for Johnson County from the Hydrology section of the *iSWM Technical Manual*.

C. Time of Concentration

The time of concentration may be calculated using methods other than those described in the *iSWM Technical Manual* with the approval of the City Engineer. The minimum time of concentration shall be 15 minutes for residential and undeveloped areas and 10 minutes for commercial and industrial areas.

4.2.2 Downstream Assessment

A downstream discharge assessment shall be performed to confirm that the proposed development does not result in increased flooding or increased erosion potential in areas downstream of the development when compared to the existing condition.

The assessment shall extend from the outfall of the proposed development to a point downstream where the discharge from the proposed development no longer has a significant impact on the downstream system. For sites draining a watershed less than or equal to 100 acres at a proposed outfall, the downstream assessment may use the 10 percent rule of thumb as described in the *iSWM Technical Manual* or a detailed study in order to determine the zone of influence. For all other watersheds, the zone of influence will be defined by a detailed hydrologic and hydraulic analysis.

For site outfalls with less than or equal to 25 acres of proposed development with proposed detention, a downstream assessment is not required. The detention design must only demonstrate the increase in discharge due to the proposed development is mitigated to existing conditions at the outfall.

The downstream assessment must demonstrate that the following conditions are met with the proposed development:

- A. No new or increased flooding (0.00 feet) of existing structures
- B. No increase greater than 0.1 feet in 1-, 5-, 25- and 100-year creek flood elevations over existing roadways
- C. No increase greater than 0.1 feet in 1-, 5-, 25- and 100-year creek flood elevations, unless contained in existing channel, roadway, drainage easement, and/or right-of-way

- D. No increase greater than 5 percent in 1-, 5-, 25- and 100-year velocities in existing creeks and channels unless it can be demonstrated that this condition does not cause an adverse effect and is accepted by the City Engineer
- E. No increase in downstream discharges caused by the proposed development that, in combination with existing discharges would result in the design capacity of the downstream storm drainage system or existing ROW to become exceeded for any of the design events.

The developer shall provide all supporting calculations to confirm that the above criteria have been satisfied for the limits of the study. If the existing drainage systems do not have capacity to convey the increased runoff from the development, additional stormwater infrastructure will be necessary to discharge runoff without causing new or increased flooding or erosion potential downstream of the proposed development.

F. Acceptable Outfall Conditions

No development may outfall concentrated discharge on adjacent property unless discharged into a public or private drainage system or existing defined swale, channel, or creek. Where drainage features are available to receive concentrated runoff, the design storm shall be collected on-site and conveyed to the feature. When offsite grading is required or the development discharges concentrated flow on an adjacent property without a receiving feature as described above, a notarized letter of permission from the affected property owner(s) shall be required. This letter shall be filed in the County records.

4.3 **DESIGN CRITERIA**

The following section describes specific criteria for storm drain, detention ponds, channels, culverts, and bridges.

4.3.1 Design Storm Frequencies

Capacity requirements for the storm drainage facilities in the City of Joshua are as follows:

Table 4.2: Design Frequencies

Facility Type	Design Frequency (Years)
Street Right of Way in Combination with Storm Drain	100
Sump Inlets	100
On-Grade Inlets and Street Section with Curb and Gutter	5
Permanent Bar Ditch and Associated Culverts	5
Detention Ponds	1, 5, 25, 100
Channels and Creeks	100
Culverts and Bridges	100

At least one lane shall remain dry during the 5-year storm for all collector streets, and at least one lane in each direction shall remain dry during the 5-year storm for all arterial streets. For all other streets with curb and gutter, the flow in the street during a 5-year storm shall not exceed curb height. On all streets, the runoff from the 100-year storm shall be contained within the street right-of-way and shall not exceed 0.2 feet above the lowest top of curb.

For streets with bar ditches, the 100-year storm shall be contained within the right-of-way and the flow shall not exceed the street crown elevation. Culverts under driveways shall be designed to carry the 5-year storm at a minimum, but larger ditches and culvert may be required to convey the 100-year storm within the right-of-way.

4.3.2 Offsite Areas

In all cases, drainage facilities should be designed for fully developed upstream conditions. Where future runoff must be calculated for undeveloped lands with no planned development, the City of Joshua Future Land Use Plan identified in the City of Joshua Comprehensive Plan shall be used.

4.3.3 Storm Drain Requirements

The following section describes specific requirements for the design of storm drain systems.

A. HGL Requirements

The hydraulic grade line (HGL) for the pipe discharge resulting from the 100-year event pipe and the associated calculation worksheets shall be shown on the plans and shall be demonstrated to be below the road gutter elevation. For systems located outside of pavement, the HGL shall be at least 1.5 foot below ground level. The HGL shall start at the inside top of pipe or at the HGL of a connecting feature, whichever is higher. For systems that begin at an

outfall the engineer should determine the appropriate starting HGL based on an investigation of downstream hydraulic features.

B. Pipe

Underground systems shall be constructed with a minimum Class III reinforced concrete pipe. A higher class of pipe may be required with shallow or deep construction. Alternative pipe materials (e.g. HDPE, PP, PVC etc.) shall not be allowed under street pavement but may be allowed in other installation conditions with approval of the City Engineer.

A minimum size of 18 inches shall be used for all storm drain. A typical minimum depth of 3 feet of cover from the gutter to top of pipe shall be used to allow utility services to cross above the pipe.

All pipe bends and fittings shall be prefabricated. All connections to existing systems shall be made with a collar or prefabricated fitting. Radius pipe is allowed and shall be placed in accordance with the manufacturer's standards and requirements. Pulled joints may not be used to achieve the pipe curvature.

C. Manholes

For storm drain lines of 48 inch diameter and smaller, manhole access shall be provided every 600 feet to provide access into the closed system. For larger storm drain lines, required spacing for manhole access shall be determined by the City Engineer but generally should not exceed 1,000 feet. Additional manholes should be provided at the junctions of trunk mains.

D. Inlets

Curb inlets shall be a minimum of 10 feet in length. Recessed curb inlets are required on all curbed streets with more than two travel lanes. Grate inlets are not allowed on public systems. Drop/Y inlets may be utilized in rear yards to intercept multiple lot to lot drainage or intercept offsite drainage.

E. Intake and Outfall Structures

Headwalls or sloped end treatment shall be constructed at all storm drain intakes and outlets. Storm drain systems that outfall to a creek shall be extended to the flowline of the creek or shall have an engineered drop structure. All outfalls should be evaluated for erosion protection as described in the *iSWM Technical Manual*. Headwalls in areas accessible to pedestrians and/or vehicles should include an appropriate guardrail.

F. Easements

Storm drain easements shall be a minimum of 15 feet in width with at least 5 feet of distance between the outside of the pipe and the easement line.

4.3.4 Detention Pond Requirements

The following section describes specific requirements for detention ponds in the City of Joshua. These requirements apply to the design of both private and public facilities.

A. Design Criteria

Detention basins shall be analyzed for the 1-, 5-, 25-, and 100-year storm events. Ponds shall be designed to limit the peak rate of discharge from the basin for the design storm events to a rate which will not cause an increase in downstream flooding or erosion potential.

Grass-lined sloped sides for detention basins shall not be steeper than 4H:1V for ease of maintenance. All detention basins shall be stabilized against erosion. Detention basins shall be designed to be maintainable by mechanized equipment. Level access routes for equipment shall be provided to all parts of the pond.

Due to the difficulty in coordinating the effective operation of multiple ponds and changing upstream conditions, ponds may not be constructed in-line with the water course. Exceptions will be allowed where the entire drainage area is contained within a single development or the pond is a component of a master planned drainage system approved by the City.

Private detention ponds must be designed in accordance with good engineering practices and reviewed and inspected by the City. Maintenance for private detention ponds shall be the responsibility of the developer/owner. Access shall be provided to all private drainage facilities where there may be a public safety concern for inspection by the City. Detention ponds may not be used to meet park dedication requirements.

Impoundment of surface waters may require a water rights permit from the TCEQ. For the approval of ponds which retain water a completed permit or written documentation stating that a permit is not required must be provided.

B. Design Calculations

The Modified Rational Formula shall only be used for detention basin design for drainage areas of 25 acres or less. Modified Rational calculations shall be performed using the method described in the *iSWM Technical Manual*. A routed hydrograph method shall be used for watersheds larger than 25 acres. Various hydrograph methods and computer programs are available. Hydrograph study requirements shall be approved by the City Engineer.

Storage volume and outlet discharge calculations shall be provided for all storm events and shown on the construction plans along with tabulated stage-storage-discharge values. Outlet discharge calculations shall take into account backwater conditions at the outlet structure. For detailed calculations of unit hydrograph studies, a separate report shall be provided. A minimum of 1 foot of freeboard shall be added to the design water surface elevation to set the minimum pond top of bank.

C. Safety Requirements

An emergency spillway shall be provided for ponds with an embankment greater than or equal to 4 feet above adjacent grade. The spillway should be located at or above the 100-year maximum storage elevation with adequate capacity to convey the fully developed 100-year storm, assuming blockage of the storm drain outlet with six inches of freeboard. Ready access to the emergency spillway system shall also be provided. Spillway requirements must also meet all appropriate state and federal criteria. Design calculations shall be provided for all spillways.

Fencing is required around all ponds with vertical walls or steep side slopes to provide fall protection. The engineer should consider additional fencing based on site conditions to protect the public from any safety hazards.

Detention basins which retain water shall have a level safety ledge extending 3 feet into the basin from the shoreline and 2 feet below the normal water depth.

4.3.5 Channel Requirements

The following section describes specific requirements for channels in the City of Joshua.

A. Design Criteria

Large drainage channels are generally not considered acceptable for new public drainage systems. Drainage shall be conveyed in a pipe except where calculations demonstrate that a storm drain greater than 72 inch in diameter would be necessary to convey the required flow. In most cases where pipe construction is infeasible creeks should be left in a natural state. If approved by the City Engineer, grass-lined engineered channels are acceptable. A concrete pilot channel shall be provided where feasible. Channel side slopes ranging from 3:1 to 4:1 are acceptable, although it is recommended that 4:1 side slopes be implemented when possible. Where channel top widths would exceed 60 feet it will be required to leave the creek in a natural state. Concrete lined channels shall only be acceptable for minor channels where approved by the City Engineer.

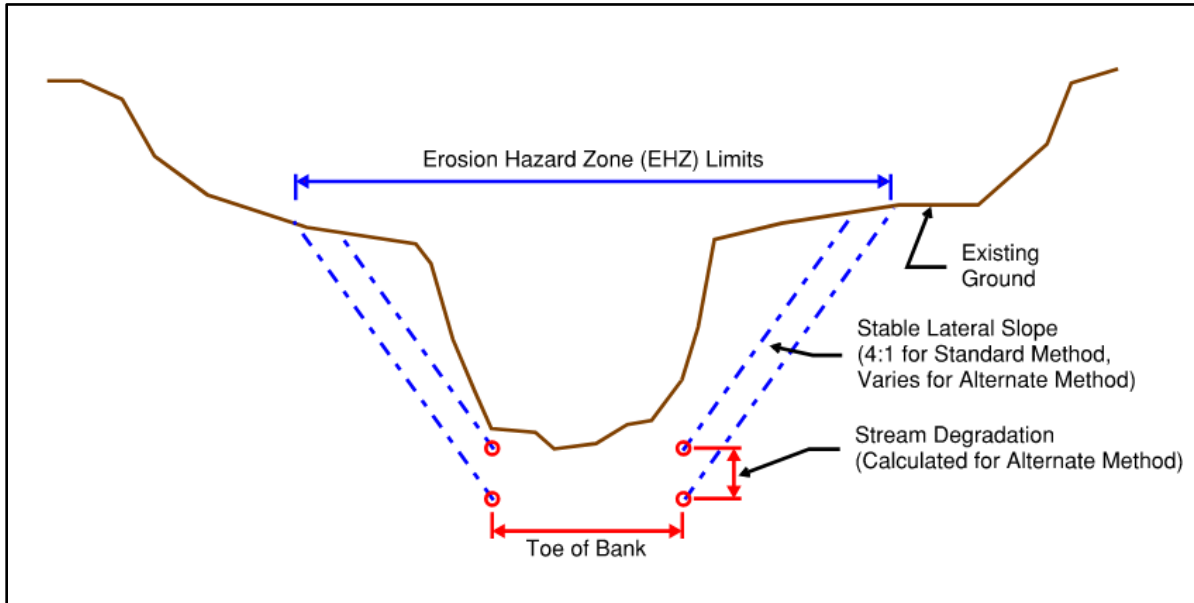
All channels shall be designed to convey the design flow with a minimum of one foot of freeboard. Channels shall also be designed to resist erosion from the design discharge as described in the *iSWM Technical Manual*. Alternate materials such as concrete and gabions may be used to protect portions of the channel from erosion as necessary. Additionally, in areas where potential excessive erosion or head cutting may occur, grade control structures, drop structures, or other structures may be required to provide stability.

B. Erosion Hazard Zones

An erosion hazard zone (EHZ) shall be delineated for any development adjacent to a natural drainage feature. The erosion hazard zone shall be defined as the horizontal area encompassed by projecting the existing toe of the bank on a 4:1 slope to the natural ground elevation as shown in Figure 4.1. Detailed topographic data such as field survey must be used when developing the EHZ. Alternatively, the EHZ can be delineated based on a detailed study of the expected long-term longitudinal stream degradation and lateral slope stability based on the steps described below.

1. Long-term Longitudinal Stream Degradation: The estimated equilibrium slope shall be calculated from the nearest downstream hardpoint such as road crossing or drop structure. The equilibrium slope shall be calculated using three “degradation as limited by a stable slope” computations: Meyer-Peter Muller, Schoklitsch, and Lane’s *Tractive Force* (Pemberton and Lara, 1984). The average of these results shall be used to estimate the potential downcutting. Results differing from others by at least an order of magnitude should not be included in the average. The potential downcutting depth shall be calculated along the stream from the equilibrium slope to determine the degradation depth.
2. Lateral Slope Stability: Lateral slopes must be defined based on global stability calculations performed by a licensed engineer that specializes in geotechnical engineering. The minimum acceptable global factor of safety shall be 1.5. The EHZ is determined by locating the intersection of the current top of each bank and the estimated downcutting depth, and then projecting the stable lateral slope from this point to natural ground.
3. The EHZ analysis should be based on a hydraulic model developed by a Professional Engineer and representative bedload sediment samples or pebble counts from each stream reach.
4. Deviations from the methodology to determine the EHZ or the use of slope stabilizing techniques to increase the lateral slope must be supported by engineering calculations and requires the approval of the City Engineer.

Figure 4.1: Erosion Hazard Zone Determination



C. Channel and Floodplain Easements

Channel easements shall have a minimum of 10 feet between the top of the channel bank and the easement line on both sides of the channel to provide room for maintenance. It must be demonstrated that any channel which carries public runoff is maintainable and that access to and along the channel is provided.

Natural creeks shall have a dedicated drainage easement encompassing the greater of the area of the 100-year fully developed floodplain and the EHZ. If no fully developed floodplain is currently identified for the area of development, one shall be delineated by the developer. Where appropriate models are unavailable, the City Engineer may allow the 500-year floodplain shown on the Effective FEMA Flood Insurance Rate Map to be used for this purpose. In areas of low risk, the City Engineer may accept a conservative estimate of the floodplain based on engineering judgement. No development, including fencing, shall be located within the easement. The easement should not be included in newly subdivided residential lots, but rather fully encompassed in a homeowners association maintained common area. For non-residential areas, the area is to be fully encompassed by a private drainage easement or within a property owners association maintained common area.

4.3.6 Culvert and Bridge Requirements

The following section describes specific requirements for culverts and bridges in the City of Joshua.

A. Design Criteria

All culverts shall have headwalls at the upstream and downstream ends. Culverts should be designed to have one foot of freeboard measured from the top of the curb or edge of pavement at the road low point. Bridges should be studied for scour potential and scour mitigation measures shall be incorporated. The low chord on the bridge structure shall be at least one foot above the 100-year water surface elevation. All headwall and bridge structures should provide appropriate guardrails to protect pedestrian and vehicular traffic.

4.3.7 Lot Grading Standards

The following grading standards shall be met for residential subdivisions in the City of Joshua consisting of half acre lots or smaller.

A. Grading Plan Requirements

All residential subdivisions are required to provide a grading plan designed so as to avoid concentration of runoff onto lots. The grading plan shall show proposed spot elevations at each property corner, at grade break points, and finished pad elevations. One foot contours showing existing and proposed elevations shall also be shown unless this requirement is waived by the City Engineer.

B. Lot-to-Lot Runoff

Lots should be graded such that no lot drains across another where feasible. In no case shall more than one lot drain through another. In unusual situations where multiple lots must drain through another, an engineered swale or other conveyance improvement and drainage easement should be provided where approved by the City Engineer.

C. Lot Grading Requirements

Lot grading shall conform to the following standards:

1. Lots shall be graded away from the pad at a minimum slope of 5 percent for a distance of 10 feet in all directions (or to the lot line).
2. Front or rear swales should be provided where necessary to carry runoff around the pad.
3. Side lot line and front or rear swales shall have a minimum slope of 1 percent although higher slopes are preferred where feasible.
4. Side lot line swales must have a minimum depth of 3 inches at its shallowest point (and a typical depth exceeding 6 inches) below the lowest adjacent pad elevation. Where steep

grade between lots makes this infeasible, a retaining wall shall be constructed to reduce the grade differential such that a conforming swale can be constructed on the higher lot.

5. Slopes shall not exceed 4:1 on residential lots unless approved by the City Engineer. A typical max slope of 10 percent should be used.

PART 5. APPENDIX DESIGN CHECKLIST

When available, Design Checklists will be made available as a part of this appendix.



City Council Agenda March 18, 2021

Agenda Item: G3 Ordinance (Action Item)

Agenda Description:

Discuss, consider, and possible action on an Ordinance adopting a new Zoning District Map and replaces all previous zoning maps.

Background Information:

City Secretary has been working with staff and engineers to bring the zoning map current. The last update was completed in 2012.

It was not legally required for the P & Z to review, but staff wanted everyone to have the opportunity to give input on the proposed copy.

On March 9, 2021, the Planning & Zoning Commission reviewed and voted to recommend approval of the map.

Financial Information:

NA

City Contact and Recommendations:

Alice Holloway, City Secretary

Attachments:

1. Proposed Zoning Map



City of Joshua
101 S. Main Street, Joshua, TX 76058

City Secretary's Office
(817) 558-7447 / Fax (817) 641-7526

BOARD / COMMISSION APPLICATION FORM

Full Name: JOHNNY WALDRIP

Address: 1029 WHITETAIL CT

Phone No. 903-821-4346

Email: waldripj@outlook.com

Resident of the City, if yes, how many years? 1 year

Occupation: Former County Commissioner, Retired Sht. Texas Rangers

Place of Employment: Grayson County & State of Texas

Employment Address: Retired

Voter Registration No.: 1025093272

Date of Birth: 01/11/1948

Boards/Commission Chosen:

Planning & Zoning Commission, Zoning Board of Adjustment, Type "A" Economic Development Corporation Board

If you are interested in more than one board, What board is your preference:

Planning and Zoning

Name: Johnny Waldrip

Date: 2021-03-01

CITY OF JOSHUA, TEXAS

ORDINANCE NO. _____

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF JOSHUA, TEXAS, ADOPTING A NEW ZONING DISTRICT MAP; MAKING FINDINGS RELATIVE THERETO; PROVIDING A SEVERABILITY CLAUSE; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, in 2020, the City of Joshua adopted a new Zoning Ordinance; and

WHEREAS, Section 6.2 of the City's Zoning Ordinance provides, in part, that the boundaries of the zoning districts shall be delineated in a Zoning District Map to be adopted by reference; and

WHEREAS, at the time of adoption of the Zoning Ordinance in 2020, the City's Zoning District Map was outdated and certain revisions to zoning districts reflected thereon had not been made and consequently, the City retained a consultant to assist in providing a correct map accurately reflecting the zoning districts that had been previously approved and/or amended by the City in the past; and

WHEREAS, by approval of this Ordinance, a new Zoning District Map is hereby adopted and replaces any prior Zoning District Map for the City of Joshua; and

WHEREAS, this Zoning District Map, attached hereto as an exhibit, will promote the public health, safety and welfare of the citizens of the City.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF JOSHUA, TEXAS, THAT:

SECTION 1

All of the above premises are hereby found to be true and correct and are hereby approved and incorporated into the body of this Ordinance as if copied in their entirety.

SECTION 2

From and after the effective date of this Ordinance, the Zoning District Map attached hereto as an exhibit shall be the official Zoning District Map of the City of Joshua, Texas, and shall replace any such map heretofore existing. Any subsequent amendment to the Zoning District Map shall be posted by the Zoning Administrator as soon as possible after the effective date of any such zoning district amendment.

SECTION 3

If any word, section, article, phrase, paragraph, sentence, clause, or portion of

this ordinance or application thereto to any person or circumstance is held to be invalid or unconstitutional by a court of competent jurisdiction, such holding shall not affect the validity of the remaining portion of this ordinance; and the City Council hereby declares it would have passed such remaining portions of this ordinance despite such invalidity which remaining portions shall remain in full force and effect.

SECTION 4

This Ordinance shall take effect and be in full force from and after its passage, as provided by the laws of the State of Texas.

DULY PASSED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF JOSHUA, TEXAS, THIS 18TH DAY OF MARCH, 2021.

Joe Hollarn, Mayor

ATTEST:

Alice Holloway, City Secretary

APPROVED AS TO FORM AND CONTENT:

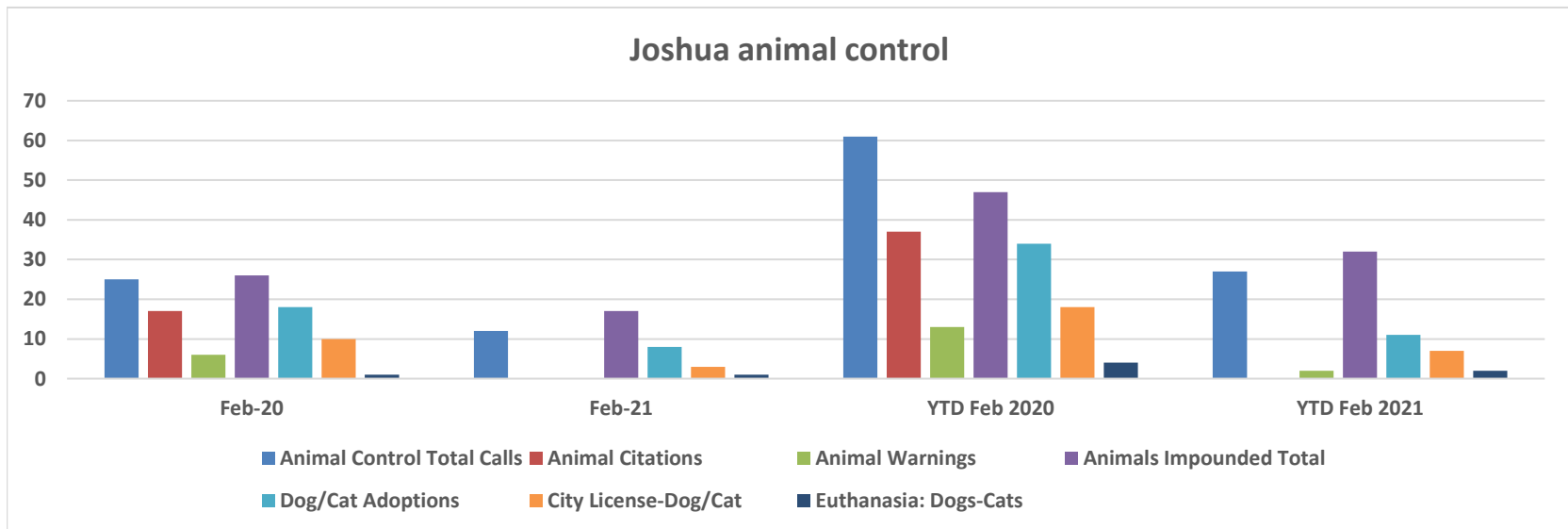
Terrence S. Welch, City Attorney

EXHIBIT

CITY OF JOSHUA ZONING DISTRICT MAP

JOSHUA ANIMAL CONTROL ACTIVITY STATISTICS

	Feb-20	Feb-21	YTD Feb 2020	YTD Feb 2021
Animal Control Total Calls	25	12	61	27
Animal Citations	17	0	37	0
Animal Warnings	6	0	13	2
Animals Impounded Total	26	17	47	32
Dog/Cat Adoptions	18	8	34	11
City License-Dog/Cat	10	3	18	7
Euthanasia: Dogs-Cats	1	1	4	2



February 2021

During February the department has been aggressively recruiting to fill three vacancies. Nine applicants tested successfully most currently in the Hill College Police Academy and two already certified, no applicants had previous experience. Applicants are in a background process now which typically takes 6 weeks. We are planning to begin the use of a background investigation service to help speed our hiring process.

Criminal activity has remained relatively low. Across the metroplex there has been a recent uptick in vehicle catalytic converter thefts due to the increased value of the metals they contain. There have been a few of these thefts in Joshua that have been occurring at closed businesses where vehicles were accessible to the public.

The department faired relatively well during the February freeze. We maintained staffing levels throughout, officers responded to calls and maintained regular patrols. There were concerns regarding the availability of fuel and we did have one officer injured when he slipped on the ice at the Park and Ride. He was there while water was being distributed. It is anticipated he will be out for six to eight weeks.

Patrol

Category	February 2021	February 2020	2021 year to date
Dispatched Calls	211	253	433
Arrests	1	10	6
Crash Reports	9	6	18
Traffic Stops	139	224	422
Citations	85	144	184
Outside LE Agency Assist	8	11	20
Reports	40	44	91



Investigations

Category	February 2021	February 2020	2021 year to date
Crimes Against Persons	4	5	11
Property Crime (Thefts, Damage)	7	9	18
Other (Drug or Alch/Missing/Deceased)	6	4	13
Total	12	18	42

Crime by Offense Type

Category	February 2021	February 2020	2021 year to date
Murder/Non-Negligent Homicide	0	0	0
Manslaughter by Negligence	0	0	0
Rape	0	0	0
Robbery	0	0	0
Assault	3	6	9
Burglary (bldg. and vehicle)	0	4	0
Larceny (theft, fraud)	5	2	15
Total	8	12	24

Training

Category	February 2021	February 2020	2021 Year to Date
Computer Based	8.5		
Classroom	0		
Total	8.5		

Community Outreach

Category	Date
New Horizons - Police Encounters Presentation	02-05-2021



Staffing

Category	Commissioned	Non-Commissioned	Animal Ctrl
Positions	9.5	2.5	2
Vacancies	3	0	0.5

Promotions and Hiring

No new promotions or hires.

Complaints and Commendations

Category	February 2021	February 2020	2021 Year to date
Commendations	0	2	2
Complaints	0	0	0

Police Fleet

Unit#-YR	Year/Make	Mileage	Service
81-07	2007/Chev	131,923	Investigations/Admin
82-10	2010/Chev	129,200	Investigations/Admin
84-16	2016/Ford	70,359	Patrol
85-17	2017/Ford	68,864	Patrol
86-19	2020/Ford	53,810	Patrol
87-20	2021/Chev	14,249	Patrol
88-20	2021/Chev	7,565	Patrol



Joshua Fire Department Monthly Activity Report

February 2021

PERSONNEL

Driver's training for our three paid firefighters has progressed well and they are scheduled to take the driving test for their Class-B licenses on March 17th.

A new volunteer, Kyle McCollum, has begun candidate training. Candidate training includes 82 hours of various subjects that are required by the ESD contract that will prepare new firefighters for safe operations on the fireground.

Three new volunteers are also expected to begin Fast-Track training in March. The department developed Fast-Track training last year in an attempt to more quickly orient personnel who are either currently State certified firefighters or experienced volunteers from other ESD departments. One of the Fast-Track volunteers is currently employed by the City of Hurst as a Firefighter/Paramedic and is also a driver with a Class-B license. The other two volunteer candidates have previous experience with the Godley Fire Department and with the Joshua Fire Department.

Our new volunteer candidates, which began training on February 8, are progressing well and have been joined by three new experienced firefighters. Marcus Miller is a City of Hurst firefighter/paramedic and will bring additional driver's experience. Hunter Ball is a recent Godley Fire Department volunteer and has many years of firefighting experience. Chris Gardner is a former Joshua volunteer and will also bring firefighter certification and current EMS experience. We are happy to have them.

CODE ENFORCEMENT

The department's new role of Code Enforcement is progressing well into the organizational stage. Volunteer Firefighter Gage Noblitt, a recent graduate of law enforcement training, has been recruited as a part time code enforcement officer. Both Gage and Asst. Chief Kratky are scheduled to obtain Basic Code Enforcement training, which will enable them to receive certification as Code Enforcement Officers.

A review of current code enforcement policies and procedures is underway. The focus of CE from this point forward will be one of compliance gained through cooperation and persistent enforcement.

EMERGENCY MANAGEMENT

A review and update of the City's Emergency Management Plan was initiated after Winter Storm Uri. Meetings have occurred with County Emergency Management and with the ESD to discuss challenges faced and how to begin pre-planning for a future event.

EMERGENCY RESPONSE

Emergency responses totals remained flat from January. Missed incidents decreased dramatically to only 2 from the previous months total of 40. Adequately staffed incidents increased 52% and response times decreased by almost 2 minutes.

RESPONSE STATISTICS

	JANUARY 2021	FEBRUARY 2021
STAFFING LEVELS		
Total Monthly Incidents	145	143
Missed Incidents	40 (30%)	2 (1%)
Adequately Staffed	40(28%)	92(64%)
Not Adequately Staffed	61(42%)	49(34%)
Average Response Time	9:42	7:51
CITY/COUNTY/MUTUAL AID		
City Incidents	106 (73%)	101 (71%)
County Incidents	35(24%)	27(19%)
ESD Auto Aid to City	5	4
Mutual Aid Given	11(9%)	11(9%)
YEAR TO DATE		
City Incidents	106(73%)	207(72%)
County Incidents	35(24%)	62(22%)
Mutual Aid Given	4(3%)	19(7%)

TRAINING

DATE	TOPIC	HOURS	ATTENDANCE
2/02	New Hire Orientation	9	6
2/02	Vol Candidate Training	3	3
2/01	LUCAS 3 Device (virtual)	1	1
2/02	New Hire Orientation	8	6
2/03	New Hire Orientation	9	5
2/03	Hazardous Conditions	2.5	13
2/04	New Hire Orientation	7.5	4
2/08	LUCAS 3 Device (virtual)	1	1
2/08	Vol Candidate Training	4	6
2/10	HazMat Operations	2	10
2/12	Lucas 3 Device (virtual)	1	1
2/22	Vol Candidate Training	4	6
2/24	DECON	2	12

VEHICLES & EQUIPMENT

Brush-177 has been returned to service.

The new rescue vehicle, which will replace the 2009 Expedition. The new vehicle is a 2500 Truck Chassis and will serve a multirole mission of EMS, high angle, and water rescue response.

ADDITIONAL COMMENTS

Nothing for this month.

City of Joshua
Municipal Court Council Report
From 2/1/2021 to 2/28/2021

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Violations by Type

Traffic	Penal	City Ordinance	Parking	Other	Total
78	2	2	0	2	84

Financial

State Fees	Court Costs	Fines	Tech Fund	Building Security	Total
\$5,462.88	\$2,754.32	\$4,261.70	\$228.61	\$260.92	\$12,968.43

Warrants

Issued	Served	Closed	Total
3	0	11	14

FTAs/VPTAs

FTAs	VPTAs	Total
0	0	0

Dispositions

Paid	Non-Cash Credit	Dismissed	Driver Safety	Deferred	Total
28	0	22	11	24	85

Trials & Hearings

Jury	Bench	Appeal	Total
0	0	0	0

Omni/Scofflaw/Collection

Omni	Scofflaw	Collections	Total
3	0	3	6

City of Joshua
Parks & Recreation
Status Report
For the month of February 2021

Grounds Maintenance	City Park	Baseball Complex	City Facilities	Entry Way Signs
Mowing			20	2
Weed Eating, Edging, Blowing			10	2
Hedge & Tree Trimming				
Flower Beds/Landscaping	8			
Fertilizing/Over Seeding				
Irrigation		8		
Trash Removal	50	10	10	

Field Maintenance	Field One	Field Two	Field Three
Mowing			
Weed Eating			
Infield Edging			
Striping			
Infield Draging			
Infield Repair			
Fertilizing/Over Seeding			
Infield Watering			
Trash Removal			4

Building Maintenance	City Park	Baseball Complex	City Facilities
Custodail Duties	70		
General Repairs	36	20	24
Toddler Playground			
Equipment Maintenance	14	14	25
Special Events			92
Remodeling			50

City of Joshua
Parks & Recreation
Status Report
For the month of February 2021

Activity	Total Hours
Mowing	22
Weed Eating, Edging, Blowing	12
Hedge & Tree Trimming	
Flower Beds/Landscaping	8
Fertilizing/Over Seeding	
Irrigation	8
Trash Removal	70
Field Mowing	
Field Weed Eating	
Infield Edging	
Striping	
Infield Draging	
Infield Repair	
Fertilizing/Over Seeding	
Infield Watering	
Trash Removal	4
Custodail Duties	70
General Repairs	80
Toddler Playground	
Equipment Maintenance	53
Special Events	92
Remodeling	50
Total Man Hours	469

Public Works Monthly Team Status Report

For The Month Of February 2021

Completed Items

Date Received	Work Order	Finish Date	Notes
2/1/2021	Manson St 100 Blk	2/1/2021	Overlay street repair
2/2/2021	Service Center	2/2/2021	Unit 471 PTO repair
2/2/2021	City Wide	2/26/2021	Repair potholes in city streets
2/3/2021	City Wide	2/3/2021	Traffic sign repairs Country Club and Oakhill
2/4/2021	Service Center	2/5/2021	Replace R/R brake chamber on unit 471
2/5/2021	City Wide	2/5/2021	Treat city buildings and fence lines with round-up
2/8/2021	Cleburne A&A scrap	2/8/2021	Haul metal to scrap yard
2/9/2021	Big City Crushed Concrete	2/10/2021	Haul spoil to recycler
2/10/2021	107 N Main St	2/11/2021	Excavate and stabilize subgrade for parking off 10th
2/11/2021	Service Center	2/12/2021	Prepare sander and crew for weather event
2/12/2021	Service Center	2/12/2021	Service small equipment
2/14/2021	Sand Route	2/19/2021	Sand intersections and provide aid to those in need
2/22/2021	Service Center	2/25/2021	Remove fence at yard and excavate drive for parking
2/23/2021	Rosewood and Ridgeway	2/24/2021	Repair streets from JCSUD excavations
2/26/2021	Service Center	2/26/2021	Perform a service on unit #473

In Progress

Year Round	City Wide		Reconditioning drainage easements
Year Round	City Wide		Street sign repairs
Year Round	City Wide		Asphalt street repairs
Year Round	City Wide		Repair potholes with Duramaxx
Year Round	City Wide		Set out traffic counter and gather data
Year Round	Development		SW3P Inspections

Assigned But Not Yet Started

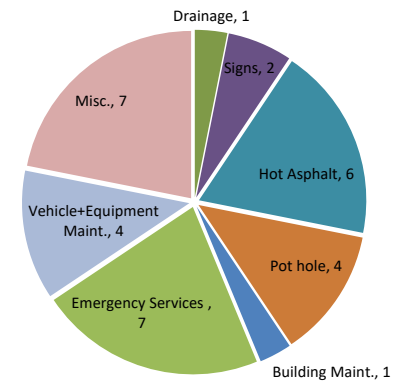
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City of Joshua
Public Works Monthly Activity Report
For the Month of February 2021

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Row Mowing																																0
ROW Trimming																																0
Drainage				1																												1
Signs			2																													2
Hot Asphalt	1								1	1											1	2										6
Pot hole		1	1																						1	1						4
Building Maint.									1																							1
Concrete																																0
Emergency Services													1	1	1	1	1	1	1													7
Crack Seal																																0
Safety Meeting																																0
Supporting other Dept.																																0
Vehicle+Equipment Maint.		1		1							1															1						4
Misc.					1			2	1		1	1											1									7

Chart reflects one per daily occurrence

ROW Mowing	0
ROW Trimming	0
Drainage	1
Signs	2
Hot Asphalt	6
Pot hole	4
Building Maint.	1
Concrete	0
Emergency Services	7
Crack Seal	0
Safety Meeting/Classes	0
Supporting other Dept.	0
Vehicle+Equipment Maint.	4
Misc.	7



Building Inspection Report

February 2021

February	2021	2020	YTD 2021	YTD 2020
Building	26	30	75	65
Electrical	28	27	67	52
Plumbing	21	21	55	43
Mechanical	7	8	22	15
Re-Inspections	0	6	5	15
Certificate of Occupancy	5	2	5	2
Certificate of Occupancy Re-Inspection	0	0	0	0
<i>Total # of Inspections</i>	87	94	229	192
Plan Review	15	7	36	19

Building Permit Report

February 2021

February	2021	2020	YTD 2021	YTD 2020
Building	15	23	44	40
Electrical	8	10	25	22
Plumbing	13	11	26	26
Mechanical	6	8	17	15
Permanent Sign	0	1	2	1
Temporary Sign	0	2	6	4
Certificate of Occupancy	0	1	1	2
Swimming Pool	2	0	2	0
Sprinkler System	7	5	18	12
Solicitor	0	0	0	0
Contractor Registration	9	9	20	30
MHP Registration	0	0	1	0
<i>Total # of Permits</i>	60	70	162	152

New Businesses Report February 2021

New Businesses (Certificate of Occupancy Issued)	Address
Kiddie Cloud Learning Academy	200 N Broadway St
Blue Owl Real Estate, LLC	310 S Broadway St
Grassmasters Lawn Care	410 N Broadway St, Bldg A
Neville's Lawn Care	410 N Broadway St, Bldg B
Taqueria Rosales	401 N Broadway St
Future New Businesses (Applied for Certificate of Occupancy not completed)	Address
Bigg 6 Trucking- (Permit application expired)	1409 S Broadway, Suite A
New CO Issued for existing Business (New Owner, New Location, Name change, etc)	Address

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UTILITY BILLING

Council Report
2/1/2021 - 2/28/2021

Billing Period

Utility Bills Disbursed	Count	Amount
First Bill, Prehistoric Move In Date	0	\$0.00
First Bill	13	\$164.34
Prehistoric Move In Date	3	\$53.52
Final Bill	5	\$14.01
Active	1832	\$32,682.88
Total	1853	\$32,914.75

Payments Received	Count	Amount
AchDraft	45	\$938.28
CreditCard	414	\$11,715.22
Check	607	\$13,948.75
Cash	23	\$707.93
MoneyOrder	4	\$71.04
Other	7	\$164.88
Total	1100	\$27,546.10

Service Orders Completed	Count
Total	0

Service Categories	Count	Amount
Garbage/Recycling	3706	\$27,711.87
General	3706	\$2,767.54
Total	0	\$30,479.41

Past Due Summary	Accounts to Penalize	Excluded Acocunts	Subject to Penalty
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Total Penalized

JOSHUA



City Secretary

MONTHLY REPORT

February 2021



CITY COUNCIL

Agenda Summary

City Council Meeting Agenda Summary Items: prepared, certified, published and processed. Meeting Minutes prepared and approved - January 21, 2021.

The following items were approved by the Mayor and City Council in February 2021.

- Ordinance abandoning and vacating certain prescriptive alleyway as reflected on the February 11, 1914, plat of Redeker's Addition to Joshua.
- Ordinance repealing existing Article 3.03, "Substandard and Dangerous Buildings," of Chapter 3, Building Regulations," of the Code of Ordinances and replacing it with a new article 3.03, "Substandard and Dangerous Building".
- Ordinance changing the name of a public road or street in the City of Joshua from Mountaineer Road to Plum Street.
- Ordinance amending Article A7.007, "Alcoholic Beverage Permit Fees" of Appendix A, "Fee Schedule" to the City's Code of Ordinances and replace it with a new Article A7.000, "Alcoholic Beverage Permit Fees to bring in compliance with state law.
- Resolution requesting the Johnson County Constable to sell property to the highest bidder to satisfy delinquent taxes owed to the City of Joshua, Joshua ISD, Hill College, and Johnson County; Cause No. T201400364, 1.35 Acres, J Minett Survey, Abstract 547.
- Sale of certain real property acquired at a delinquent tax foreclosure sale; Cause No. T201500028, Lots 1, 2 & 3, Block 16, Original Town Joshua.
- Resolution expressing support of House Bill 1030 in the regular session of the 87th Legislature regarding alternative public notice provisions.
- Resolution expressing support of Senate Bill 131 in the regular session of the 87th Legislative regarding future election dates.
- Gas Well Setback Waiver request and application filed by Scott Sandlin on October 28, 2019.
- Award bid and give notice to proceed for the SH 174 Deceleration, Acceleration and Left Turn Lanes for the purpose of furnishing all plants, labor, materials and equipment and the performance of all work required in the construction to Texas Materials Group.
- Appointed Kristoffer Maddox to the Heritage Preservation Committee.

Public Information Request

Processed 20 Public Information Request and completed within ten days or less. Out of the 20, 0 was sent to the Texas Attorney General for an opinion.

Request Date	Requestor	Documents	Date Released	AG Letter	Cost/Electronic	Notes
2/1/2021	Orion Grove	Utility Report	2/1/2021	No	\$ -	No Documents
2/1/2021	LexisNexis	Accident Report	2/1/2021	No	\$ -	No Documents
2/2/2021	Larry Clendennen	CO Report	2/2/2021	No	E	
2/3/2021	Melinda Wolff	Police Report	2/9/2021	No	E	
2/4/2021	Pennie Graham	Police Report	2/4/2021	No	\$ 6.00	
2/5/2021	Joseph Schwartz	Environmental Records	2/11/2021	No	\$ -	Sent Clarification letter
2/8/2021	Jimmy Barber	Police Report	2/19/2021	No	E	
2/9/2021	Mark Lockleaf	Police Report	2/9/2021	No	\$ 6.00	
2/9/2021	Travis Morris	Police Report	2/9/2021	No	\$ 5.00	
2/10/2021	Kasey Ivey	Police Report	2/10/2021	No	E	
2/17/2021	Jennifer Meek	Environmental Records	2/18/2021	No	\$ -	Sent Clarification letter
2/19/2021	Valeza De Vera	Utility Report	2/23/2021	No	E	
2/21/2021	Pete Lewiston	Building Permit Report	2/23/2021	No	E	
2/25/2021	Faith Evans	Code Reports	2/25/2021	No	E	
2/25/2021	Faith Evans	Fire Reports	2/25/2021	No	\$ -	No Documents
2/25/2021	Faith Evans	Utility Report	2/25/2021	No	\$ -	No Documents
2/25/2021	Sammy Rangwala	Code Reports	2/25/2021	No	E	
2/25/2021	Sammy Rangwala	Fire Reports	2/25/2021	No	\$ -	No Documents
2/25/2021	Sammy Rangwala	Permit Reports	2/25/2021	No	\$ -	No Documents
2/25/2021	Sammy Rangwala	Permit Reports	2/25/2021	No	\$ -	Email Link to info on website

2021 General Election **Update**- The May 1, 2021 General Election was called by City Council in January 2021. There are a total of four (4) candidates on the ballot. Drawing was held to determine the order of the ballot on February 25, 2021.

Place 4: 1) Doug Taylor 2) Merle Breitenstein

Place 6: 1) Danny Turpen 2) Scott Kimble

Election equipment has been ordered and received for early voting and election day. In addition, ballots have been ordered and will be received in March.

Records Management - Staff has started the inventory of city records. Each record will be recorded and labeled according to the Texas State Library and Archives Commission, and processed as required. Over 300 boxes was inventoried, labeled, and recorded. In addition, 178 boxes was destroyed as allowed by the Texas State Library and Archives Commission Schedules. All departments has been asked to organize and box up archive records in their possession. Once each department is finished, I will perform an inventory, log and record each box. In January, records that meets the records retention schedule for destruction will be destroyed. The City Council will be provided a full report of the status of City documents in February. **Update**- City Secretary Holloway have inventoried and labeled each record. Magic Shred has shredded 80 boxes of records on-site. A certificate of completion has been received.

Code of Ordinances - The Code of Ordinances now contains all ordinances deemed appropriate to be included as enacted through the end of 2020. In addition, as ordinances are passed, they are placed in the Document Vault. To get to the Document Vault, go to the Code of Ordinances and it is the last tab on top. The next update will start March 31, 2021. Staff is looking into adding an additional feature to the codification. The new feature will allow a citizen to actually review the complete ordinance. This will be proposed by the City Secretary in the 2021-22 budget.

Zoning Map- The last official zoning map was adopted by the City Council 2012. City Secretary and staff has been working on updating the map. The map is updated and the Planning & Zoning Commission has recommended approval. This will be on the March 18, 2021 City Council Agenda for consideration.

City Secretary Holloway has been in discussion with the City Manager regarding changing website host to CivicPlus. CivicPlus is used by most cities in Texas and offers more features than what is currently being offered.

City Secretary Holloway is working with current IT to bring better audio and video equipment to the council chambers. A proposal will be presented City Manager in March.

City Secretary Holloway has been given access to CodeRED to help keep citizens notified of emergency and general information.

City Meetings in March

Planning & Zoning - March 9, 2021

EDC Type A - March 8, 2021

EDC Type B - No Meeting

City Council - March 18, 2021

Social Media Updates

Total New Post on Facebook -108

Total Post Reached- 35,700

Total Post Engagement-18,800

Total New Page Followers- 261