



AGENDA

City of Lucas City Council Meeting November 3, 2016

7:00 PM

**City Hall – Council Chambers
665 Country Club Road – Lucas, Texas**

Notice is hereby given that a City of Lucas meeting of the City Council will be held on Thursday, November 3, 2016 at 7:00 pm at Lucas City Hall, 665 Country Club Road, Lucas, Texas, 75002-7651 at which time the following agenda will be discussed. As authorized by Section 551.071 of the Texas Government Code, the City Council may convene into closed Executive Session for the purpose of seeking confidential legal advice from the City Attorney on any item on the agenda at any time during the meeting.

Call to Order

- Roll Call
- Determination of Quorum
- Reminder to turn off or silence cell phones
- Pledge of Allegiance

Citizen Input

The Citizens' Input portion of the agenda is an opportunity for the public to address the City Council on any subject. By completing a "Request to Speak" form and submitting it to the City Secretary, citizens have an opportunity to speak at the City Council meeting. However, in accordance with the Texas Open Meetings Act, the City Council cannot discuss issues raised or make any decisions but may refer items to City Staff for research and possible inclusion on a future agenda.

1. Citizens' Input (**Mayor Jim Olk**)

Community Interest

Pursuant to Section 551.0415 of the Texas Government Code, the City Council may report on the following items: 1) expression of thanks, congratulations or condolences; 2) information about holiday schedules; 3) recognition of individuals; 4) reminders about upcoming City Council events; 5) information about community events; and 6) announcements involving imminent threat to public health and safety.

2. Community Interest. (**Mayor Jim Olk**)

Consent Agenda

All items listed under the consent agenda are considered routine and are recommend to the City Council for a single vote approval. If discussion is desired, an item may be removed from the consent agenda for a separate vote.

3. Consider approval of the minutes of the October 20, 2016, City Council meeting. **(City Secretary Stacy Henderson)**
4. Consider adopting Ordinance 2016-10-00843 approving amendments to the City's Code of Ordinances Chapter 10, Section 10.03.123(i) Streets and Drainage relating to where streetlights may be located and including an appeal process. **(Development Services Director Joe Hilbourn)**
5. Consider approving Resolution R 2016-10-00456 authorizing participation and adopting the Collin County Hazard Mitigation Action Plan. **(Fire Chief Ted Stephens)**
6. Consider approving an expenditure to purchase emergency radios and equipment from Motorola Solutions in the amount of \$79,666.20, as part of a two-year emergency radio system upgrade approved in fiscal year budget 16-17 from account 11-8300-420. **(Fire Chief Ted Stephens)**
7. Consider approval of a landscape plan for the Angel Parkway Pet Hospital located at 571 South Angel Parkway, part of the Angel Addition, Lot 1 Block A. **(Development Services Director Joe Hilbourn)**

Regular Agenda

8. Consider the adoption of the updated Collin County Inter-jurisdictional Emergency Management Plan and authorize the Mayor to execute the Mayoral Signature Page and approve the Texas Division of Emergency Management Emergency Management Director/Coordinator Notification Form TDEM-147. **(City Manager Joni Clarke)**
9. Discuss and give staff direction regarding updates to the Comprehensive Plan, Chapter 8 – Water and Sewer, including the Sewer Master Plan Map. **(Development Services Director Joe Hilbourn)**
10. Discuss and consider appointments and reappointments to the Board of Adjustment, Planning and Zoning Commission and the Parks and Open Space Board for two year terms beginning November 3, 2016 through November 1, 2018. **(City Secretary Stacy Henderson)**
11. Consider setting possible agenda items as well as date and time for a town hall style meeting to have a general discussion and to obtain input from citizens regarding transportation philosophy, right-of-way requirements, roadway capacity and classification. **(Public Works Director/City Engineer Stanton Foerster)**
12. Consider approval of a budget amendment appropriating \$5,000 for repairs to the Fire Truck Streaker for use during special events from the City's unrestricted general fund reserve and increase line item 6211-444 Founders Day Special Event Fund. **(Development Services Director Joe Hilbourn)**

Executive Session

The City Council may convene in a closed Executive Session pursuant to Chapter 551.071 of the Texas Government Code.

13. Executive Session: No items are scheduled for Executive Session.
14. Adjournment.

Certification

I hereby certify that the above notice was posted in accordance with the Texas Open Meetings Act on the bulletin board at Lucas City Hall, 665 Country Club Road, Lucas, TX 75002 and on the City's website at www.lucastexas.us on or before 5:00 p.m. on October 28, 2016.

Stacy Henderson, City Secretary

In compliance with the American with Disabilities Act, the City of Lucas will provide for reasonable accommodations for persons attending public meetings at City Hall. Requests for accommodations or interpretive services should be directed to Stacy Henderson at 972.912.1211 or by email at shenderson@lucastexas.us at least 48 hours prior to the meeting.



City of Lucas City Council Agenda Request November 3, 2016

Requester: Mayor Jim Olk

Agenda Item:

Citizens' Input

Background Information:

NA

Citizen Summary:

Citizen Input is an item at the beginning of each City Council agenda that allows citizens an opportunity to address the City Council on any subject. In accordance with the Texas Open Meetings Act however, the City Council cannot discuss issues raised or make decisions regarding any items that are not on the agenda, but the City Council may refer items to City Staff for research and possible inclusion on a future agenda.

Attachments/Supporting Documentation:

NA

Budget/Financial Impact:

NA

Recommendation:

NA

Motion:

NA



City of Lucas Council Agenda Request November 3, 2016

Item No. 02

Requester: Mayor Jim Olk

Agenda Item:

Community Interest: None scheduled

Background Information:

NA

Citizen Summary:

Under Community Interest items, the City Council may report to the public on items such as an expression of thanks, congratulations or condolences, recognition of individuals, reminders of upcoming community events, and announcements involving imminent threat to public health and safety.

Attachments/Supporting Documentation:

NA

Budget/Financial Impact:

NA

Recommendation:

NA

Motion:

NA



Item No. 03-04-05-06-07

City of Lucas

Council Agenda Request

November 3, 2016

Requester: City Secretary Stacy Henderson, Development Services Director Joe Hilbourn,
Fire Chief Ted Stephens

Consent Agenda Items:

3. Consider approval of the minutes of the October 20, 2016, City Council meeting.
4. Consider adopting Ordinance 2016-10-00843 approving amendments to the City's Code of Ordinances Chapter 10, Section 10.03.123(i) Streets and Drainage relating to where streetlights may be located and including an appeal process.
5. Consider approving Resolution R 2016-10-00456 authorizing participation and adopting the Collin County Hazard Mitigation Action Plan.
6. Consider approving an expenditure to purchase emergency radios and equipment from Motorola Solutions in the amount of \$79,666.20, as part of a two-year emergency radio system upgrade approved in fiscal year budget 16-17 from account 11-8300-420.
7. Consider approval of a landscape plan for the Angel Parkway Pet Hospital located at 571 South Angel Parkway, part of the Angel Addition, Lot 1 Block A.

Background Information:

Agenda Item No. 5:

Collin County has prepared a County wide multi-hazard mitigation plan that identifies mitigation goals and actions to reduce or eliminate long-term risk to citizens and property in the City of Lucas and Collin County from impacts of future hazards and disasters.

Agenda Item No. 6:

The Plano Radio System, of which we are a part of, is requiring all fire departments on their system to upgrade radios to the new Tier II System. This is year one of our required upgrade to portable and mobile radios that are currently used for dispatch and emergency communications. This requested item will record an expenditure of \$79,666.20 to account 11-8300-420.



City of Lucas
Council Agenda Request
November 3, 2016

Item No. 03-04-05-06-07

Agenda Item No. 7:

The Planning and Zoning Commission unanimously approved the landscape plan. The following items are required as part of the landscape plan:

Required Elements	Provided
16 Trees	17
104 Bushes	108
15% Landscape interior	20%
15% Landscape total	40%
All proposed fencing within a Commercial Business district is required to be approved as part of the landscape plan approval process.	Cedar board on board fence provided, 12 inches outside the required side yard setback on north side, remaining fencing inside the required setback. This is not allowed in Residential districts, but is allowed within Commercial districts.

Citizen Summary:

All items listed under the Consent Agenda are considered routine and are recommended to the City Council for a single vote approval. Should the Council want to discuss an item on the Consent Agenda, it can be removed and placed on the Regular Agenda for further discussion.

Attachments/Supporting Documentation:

1. Minutes of the October 20, 2016, City Council meeting
2. Ordinance 2016-10-00843 – Streetlights
3. Resolution 2016-10-00456 Hazard Mitigation Plan
4. Motorola Solutions radio information
4. Angel Parkway Pet Hospital landscape plan

Budget/Financial Impact:

NA

Recommendation:

City Staff recommends approval of the Consent Agenda.

Motion:

I make a motion to approve/deny the Consent Agenda as presented.



**City of Lucas
City Council Meeting
October 20, 2016
7:00 P.M.**

City Hall - 665 Country Club Road – Lucas Texas
Minutes

Call to Order

Mayor Olk called the meeting to order at 7:00 p.m.

City Councilmembers Present:

Mayor Jim Olk
Mayor Pro Tem Kathleen Peele
Councilmember Wayne Millsap
Councilmember Tim Baney
Councilmember Steve Duke
Councilmember Philip Lawrence
Councilmember Debbie Fisher

Staff Present:

City Manager Joni Clarke
City Secretary Stacy Henderson
City Attorney Joe Gorfida
Development Services Director Joe Hilbourn
Public Works Director/City Engineer Stanton Foerster
Finance Director Liz Exum
Fire Chief Jim Kitchens
Human Resources Manager Cheryl Meehan

Mayor Olk determined that a quorum was present. Everyone was reminded to turn off or silence their cell phones and the Pledge of Allegiance was recited.

Citizen Input

1. Citizen Input:

There was no citizen input.

Community Interest

2. Community Interest Items:

Mayor Olk presented to Finance Director Liz Exum the 2015 Certificate of Achievement for Excellence in Financial Reporting Award from the Government Finance Officers Association.

Mayor Olk then read a Proclamation declaring October 2016 as Breast Cancer Awareness Month.

Mayor Olk announced that Saturday, October 22, 2016 was the City's annual Founders Day event.

Public Hearing

3. Public hearing to consider adopting Ordinance 2016-10-00840 amending the City's Code of Ordinances, Chapter 14, Article 14.04, Division 8 - Accessory Buildings, Structures and Uses regarding square footage requirements for habitable space and accessory buildings; and amendments to the Code of Ordinances, Schedule Use Chart related to guest/servant quarters and accessory buildings with habitual space.

Development Services Director Joe Hilbourn gave a presentation noting the proposed changes recommended by the Planning and Zoning Commission that included:

- No trailers, containers, commercial boxes or other similar structures shall be used as accessory structures or buildings, with the exception of industrial, commercial, and agriculture uses with 5 acres or more, that may use trailers, containers, or commercial boxes for temporary storage, for a period not to exceed 90 days total in any one calendar year.
- Accessory buildings may contain habitable space as defined by the International Residential Code adopted by the City and may not be rented out.
- Accessory buildings may contain habitable space up to 600 square feet in Residential-1 zoning districts; 800 square feet in Residential-1.5 zoning districts; and 1,000 square feet in Residential-2 zoning districts.

Mayor Olk opened the public hearing at 7:08 pm and noted that a citizen input card was received from Kathleen LoSapio, 650 Scarlett Drive, Lucas, noting her opposition to the accessory building amendments.

There being no one in the audience wanting to speak, Mayor Olk closed the public hearing at 7:08 pm.

The Mayor and City Council discussed various aspects of the proposed ordinance including, architectural compatibility with the main structure, square footage requirements for habitable space, accessory buildings within agricultural zoned properties, zoning compliance and enforcement related to accessory buildings, square footage requirements within residential zoning districts, and being cautious to over-regulating with proposed changes.

MOTION: *A motion was made by Mayor Olk, seconded by Councilmember Millsap, to adopt Ordinance 2016-10-00840 amending the City's Code of Ordinances, Chapter 14, Article 14.04, Division 8 - Accessory Buildings, Structures and Uses with the below written amendments. The motion passed by a 6 to 1 vote, with Councilmember Fisher voting in opposition. The following Sections outline amendments made to the adopted Ordinance.*

Section 14.04.302(d) shall read "Exception: agricultural use on property with five or more acres, and industrial or commercial uses may use trailers, containers or commercial boxes for temporary storage for a period not exceeding 90 days total in

any one calendar year. The Development Services Director may approve additional time in 30 day increments up to a maximum of 180 days.”

Section 14.04.304, Subsection 4, Subsection 1(b) this section shall be removed relating to accessory buildings containing habitable space shall be architecturally compatible with the main building.

Section 14.04.304, Subsection 4, Subsection 1(d) this section shall be removed that regulates the people that could reside in the habitable space; and renumbering Subsections e and f.

Section 14.04.304, Subsection 4, Subsection 2 (a)(ii) shall read “one accessory building may contain up to 1,500 square feet of habitable space.”

Section 14.04.304, Subsection 4, Subsection 2 (b)(i) shall read “one accessory building may contain up to 1,250 square feet of habitable space.”

Section 14.04.304, Subsection 4, Subsection 2 (c)(i) shall read “one accessory building may contain up to 1,000 square feet of habitable space.”

Consent Agenda

- 4. Consider approval of the minutes of the September 15, 2016, City Council meeting.**
- 5. Consider approving Resolution R 2016-10-00455 authorizing an interlocal agreement between the City of Lucas and Collin County for Collin County to fund a portion of the construction costs for improvements to the East Winningkoff Trailhead.**

***MOTION:** A motion was made by Councilmember Millsap, seconded by Councilmember Lawrence to approve the Consent Agenda as presented. The motion passed unanimously by a 7 to 0 vote.*

Regular Agenda

- 6. Consider updates to the Water System Capital Improvement Plan for 2016 to 2030 prepared by BW2 Engineers, Inc.**

Public Works Director/City Engineer Stanton Foerster stated that as the City Council updates the Comprehensive Plan, the design, upgrade and growth of the City’s water infrastructure should also be evaluated as to items that should be prioritized and budgeted for future years. Mr. Foerster discussed dead end lines that need to be addressed as well as water loss that occurs during flushing.

The City Council discussed the possibility of establishing rates to cover a portion of the costs, impact fees, and the option of paying as you go to not incur the cost of bonds.

Mr. Foerster shared with the City Council a prioritized list and funds needed for the top five recommended CIP projects:

1. Parker Road 12-inch phase 1 (TxDOT) - \$292,037
2. Lewis/Parker 8-inch (TxDOT) - \$326,004
3. Wiltshire/N. Pump 8-inch connection - \$98,237
4. N. Pump Water Tower - \$1,496,880
5. Restore N. Pump Station - \$153,821

Mr. Foerster stated that funds were budgeted for Items 1, 2 and 3; funds were not budgeted for items 4 and 5.

Councilmember Millsap discussed reserve funds in the water fund and adjusting rates to assist in covering costs. Councilmember Millsap noted that projects could be funded without having to obtain any Certificates of Obligation.

Mayor Olk asked staff to include these projects as part of the Comprehensive Plan update and Capital Improvement Projects and to include how they will be funded.

This was a discussion item only, no formal action was taken.

7. Consider adopting Ordinance 2016-10-00844 removing the Statutory Limitations for funding for the Texas Municipal Retirement Services.

Human Resources Manager Cheryl Meehan stated that the Texas Municipal League (TML) notifies the City each year of the actuarially contribution rate for retirement benefits and supplemental death benefits required for participation. The City's current rate is 13.90% for 2017. Ms. Meehan stated that TML requires the City to contribute an actuarially determined amount in order to insure full funding of employee retirement benefits, with the amount varying from year to year.

Ms. Meehan discussed the need to remove or increase the statutory limitation to keep the benefit plan properly funded.

The City Council agreed that they would like to review this item as part of the budget annually each year, and they would also like to table the item to a later City Council meeting in order for staff and the City Attorney to review and clarify the options available.

MOTION: *A motion was made by Mayor Olk, seconded by Councilmember Fisher to table this item at this time. The motion passed by a 7 to 0 vote.*

8. Consider the City of Lucas options available through Texas Multistate Intergovernmental Benefits Pool and Public Employee Benefits Alliance (PEBA) for Pre and Post Sixty-five Retiree Benefits.

Human Resources Manager Cheryl Meehan stated that currently healthcare was not offered by the City for pre sixty-five retirees because it could negatively impact the cost to existing employee health coverage. However, healthcare for pre sixty-five retirees was available through COBRA for 18 months. Ms. Meehan noted that the City also had the option to consider offering a healthcare opportunity to post sixty-five retirees through the Public Employees Benefits Alliance without negatively impacting the cost to employee benefits. All arrangements would be handled by the retiree and PEBA; however, the City would be required have to opt into the program in order to have access to participate.

MOTION: *A motion was made by Councilmember Millsap, seconded by Councilmember Lawrence to decline the pre sixty-five retiree election and to allow the post sixty-five election as presented by staff. The motion passed by a 7 to 0 vote.*

9. Consider adopting Ordinance 2016-10-00833 approving amendments to the City’s Code of Ordinances by amending Appendix C “Fee Schedule” Article 19.000 (7) “Wastewater Rates” to provide for rates for wastewater consumption and discharge over 2,000 gallons.

Public Works Director/City Engineer Stanton Foerster stated that wastewater fees are based on the water consumption and the amount of water the City sells. The City pays North Texas Municipal Water District for each gallon placed into the sanitary sewer system. Mr. Foerster noted that the cost the City pays was rising much faster than the revenue generated from customers. Mr. Foerster suggested that in an attempt to charge customers appropriately, the fee should be increased.

Mr. Foerster discussed leak testing and infiltrations, such as ground water getting into the sewer system.

MOTION: *A motion was made by Councilmember Millsap, seconded by Councilmember Fisher to adopt Ordinance 2016-10-00833 approving amendments to the City’s Code of Ordinances by amending Appendix C Fee Schedule, Article 19.000(7) to provide for rates for wastewater consumption and discharge over 2,000 gallons. The motion passed by a 7 to 0 vote.*

10. Consider amendments to the City’s Comprehensive Plan including:

- **Chapter 1 – Introduction**
- **Chapter 2 – Demographics**
- **Chapter 3 – Housing**
- **Chapter 4 – Land Use**
- **Chapter 5 – Economic Development**
- **Chapter 6 – Parks, Recreation & Open Space**
- **Chapter 7 – Streets, Drainage & Master Thoroughfare Plan**
- **Chapter 8 – Water System**

Mayor Pro Tem Peele noted her updates to the Comprehensive Plan and forwarded those to the City Secretary.

City Manager Joni Clarke asked that the City Council review the Master Thoroughfare Plan and submit any amendments that did not accurately reflect the vision for the city. In particular, roadways managed by the State and County, such as, Country Club Road, Estates Parkway and FM 1378.

Mayor Olk discussed the increase in traffic in and around Lucas due to additional development and suggested that East Lucas Road may have to be widened at some point to alleviate congestion.

Mayor Pro Tem Peele expressed her opposition to the widening of East Lucas Road to 4-lanes and noted that Angel Parkway would be widened in the future to assist with alleviating traffic through the City.

City Manager Joni Clarke stated that currently emergency services faces problems traveling on East Lucas Road due to traffic congestion. Three lanes would help alleviate that congestion.

Mayor Olk asked the Council to review the Thoroughfare Plan and the Collin County Transportation Plan and discuss this item again at another meeting.

The Council also suggested that a Town Hall meeting be held in order to gain feedback regarding traffic and potential future roadway changes.

This was a discussion item only, no formal action was taken.

11. Consider adopting Ordinance 2016-10-00843 approving amendments to the City's Code of Ordinances Chapter 10, Section 10.03.123 (i) Streets and Drainage relating to where street lights may be located and including an appeal process.

Development Services Director Joe Hilbourn gave a brief presentation noting that proposed changes to street lighting including requiring street lights in new subdivisions when deemed necessary by the Public Works Director/City Engineer for safety, as well as for existing intersections. Mr. Hilbourn noted that proposed amendments also include guidelines on the types of lights that are permitted and an appeal process to allow for further review.

Mayor Olk noted that the appeal process was not included in the proposed ordinance and asked staff to bring the ordinance back at the November 3, 2016 meeting with the appeal section added.

There was no formal action taken on this item.

Executive Session

The City Council may convene in a closed Executive Session pursuant to Chapter 551.071 of the Texas Government Code.

12. Executive Session.

No items were scheduled for Executive Session.

13. Adjournment.

MOTION: *A motion was made by Councilmember Millsap, seconded by Councilmember Lawrence to adjourn the meeting at 9:37 pm. The motion passed unanimously by a 7 to 0 vote.*

APPROVED:

ATTEST:

Jim Olk, Mayor

Stacy Henderson, City Secretary



**ORDINANCE 2016-10-00843
[AMENDING CODE OF ORDINANCE CHAPTER 10]**

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF LUCAS, COLLIN COUNTY, TEXAS, AMENDING THE LUCAS CODE OF ORDINANCES BY AMENDING CHAPTER 10 TITLED “SUBDIVISIONS” BY AMENDING ARTICLE 10.03 TITLED “SUBDIVISION AND DEVELOPMENT ORDINANCE” BY AMENDING DIVISION 4 TITLED “STANDARDS AND REQUIREMENTS” BY AMENDING SECTION 10.03.123 TITLED “STREETS AND DRAINAGE” BY CREATING A NEW SUBSECTION (i) TITLED “STREET LIGHTING” TO PROVIDE NEW REGULATIONS FOR STREET LIGHTING; PROVIDING FOR AN APPEAL OF THE DECISION OF THE CITY ENGINEER; PROVIDING A REPEALING CLAUSE; PROVIDING A SEVERABILITY CLAUSE; PROVIDING A SAVINGS CLAUSE; PROVIDING A PENALTY OF FINE NOT TO EXCEED THE SUM OF TWO THOUSAND DOLLARS (\$2,000) FOR EACH OFFENSE; AND PROVIDING FOR AN EFFECTIVE DATE.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF LUCAS, COLLIN COUNTY, TEXAS, THAT:

Section 1. The Code of Ordinances of the City of Lucas, Texas, is hereby amended by amending Chapter 10 “Subdivisions” by amending Section 10.03.123 titled “Streets and Drainage” by creating a new subsection (i) titled “Street Lighting”, to read as follows:

“CHAPTER 10

SUBDIVISIONS

...

ARTICLE 10.03 SUBDIVISION AND DEVELOPMENT ORDINANCE

...

DIVISION 4. Standards and Requirements

...

Sec. 10.03.123 Streets and drainage

...

(i) Street lighting.

- (1) Street lighting shall be provided at street intersections at the request of the city engineer within new subdivisions and at streets connecting to new subdivisions. Street lighting shall conform to the latest edition of the Illuminating Engineering Society Handbook and the city's regulations as provided in the Code of Ordinances and zoning regulations. When a conflict exists between the two, the city's Code of Ordinances shall take precedent. The use of sodium vapor lights for street and parking lot illumination shall not be allowed in the city.
- (2) Cost of installation of street lighting shall be borne by the subdivider. Cost of ongoing service and utilities shall be borne by the subdivider and included in a maintenance agreement as part of the homeowners' association documents approved by the city attorney.
- (3) The city may install lights at existing intersections that the city engineer deems necessary.
- (4) The city engineer may, based on field conditions, modify the requirements of this section.
- (5) A request for street lightening that is denied by the city engineer may be appealed to the planning and zoning commission. A recommendation for approval from the planning and zoning commission shall then be forwarded to the city council for final action. A recommendation of denial by the planning and zoning commission will only be forwarded to the city council for final action upon written request of the applicant. Such written request must be received within thirty (30) days of the commission denying the request. The decision of the city council is final. The request for an appeal must be made in writing to the Development Services Director explaining why a street light in the proposed location is warranted and further citing factors as to why the city engineer's decision should be overturned. This request for an appeal must be received by the Development Services Department no less than 20 days prior to the scheduled planning and zoning commission meeting in which the appeal will appear on the agenda.
- (6) All street lights shall conform to the city's lighting regulations and be the same or similar in nature to the examples of streets lights as shown on Figure 1, Figure 2 and Figure 3:

FIGURE 1



FIGURE 2



FIGURE 3



Sec. 10.03.124 Water and utility extensions

...”

Section 2. All ordinances of the City of Lucas in conflict with the provisions of this Ordinance shall be, and same are hereby, repealed, provided, however, that all other provisions of said Ordinances are not in conflict herewith shall remain in full force and effect.

Section 3. Should any word, sentence, paragraph, subdivision, clause, phrase or section of this Ordinance or of the City of Lucas Code of Ordinances, as amended hereby, be adjudged or held to be voided or unconstitutional, the same shall not affect the validity of the remaining portions of said Ordinances or the City of Lucas Code of Ordinances, as amended hereby, which shall remain in full force and effect.

Section 4. An offense committed before the effective date of the Ordinance is governed by prior law and the provisions of the City of Lucas Code of Ordinances in effect when the offense was committed and the former law is continued in effect for this purpose.

Section 5. Any person, firm or corporation violating any of the provisions or terms of this Ordinance shall be subject to the same penalty as provided for the in the City of Lucas Code of Ordinances, as amended, and upon conviction shall be punished by a fine not to exceed the sum of Two Thousand Dollars (\$2,000) for each offense, and each and every day such violation shall continue shall be deemed to constitute a separate offense.

Section 6. This Ordinance shall take effect immediately from and after its passage and publication in accordance with the provisions of the Charter of the City of Lucas, and it is accordingly so ordained.

DULY PASSED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF LUCAS, COLLIN COUNTY, TEXAS, ON THIS 3rd DAY OF NOVEMBER, 2016.

APPROVED:

Jim Olk, Mayor

APPROVED AS TO FORM:

ATTEST:

Joseph J. Gorfida, Jr., City Attorney
(09-27-2016/74772)

Stacy Henderson, City Secretary



RESOLUTION NO. R-2016-10-00456
[Adopting Collin County Hazardous Mitigation Plan, September 2016]

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LUCAS, TEXAS, ADOPTING THE COLLIN COUNTY HAZARD MITIGATION ACTION PLAN, SEPTEMBER 2016; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the City of Lucas recognizes the threat that natural hazards pose to people and property within Collin County; and

WHEREAS, Collin County has prepared a multi-hazard mitigation plan, hereby known as Collin County Hazard Mitigation Action Plan, September 2016, in accordance with the Disaster Mitigation Act of 2000; and;

WHEREAS, Collin County Hazard Mitigation Action Plan, September 2016 identifies mitigation goals and actions to reduce or eliminate long-term risk to people and property in the City of Lucas from the impacts of future hazards and disasters; and

WHEREAS, adoption by City of Lucas demonstrates its commitment to the hazard mitigation and achieving the goals outlined in the Collin County Hazard Mitigation Action Plan, September 2016;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF LUCAS, TEXAS, THAT:

SECTION 1. The adoption of the Collin County Hazard Mitigation Action Plan, September 2016 is hereby approved.

SECTION 2. This Resolution shall take effect immediately upon its passage.

DULY PASSED AND APPROVED by the City Council of the City of Lucas, Texas, on this the 3rd day of November, 2016.

ATTEST:

APPROVED:

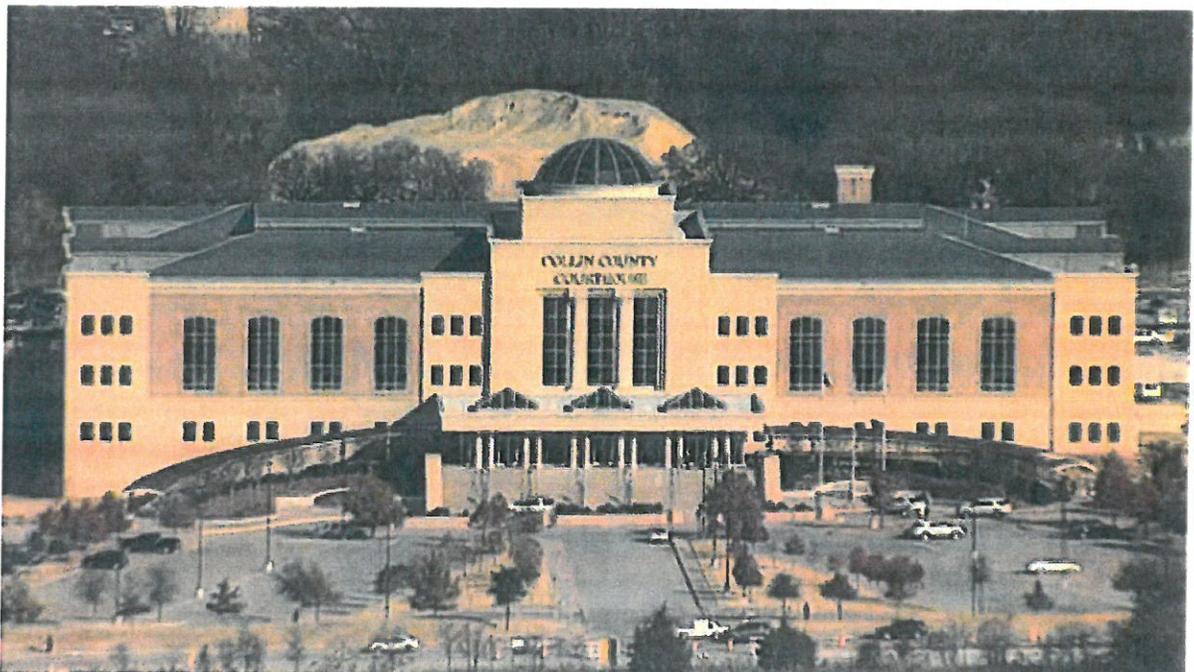
Stacy Henderson, City Secretary
(10-11-2016/80349)

Jim Olk, Mayor



Hazard Mitigation Action Plan

Collin County, Texas



Executive Summary

Mitigation is commonly defined as sustained actions taken to reduce or eliminate long-term risk to people and property from hazards and their effects. Hazard mitigation focuses attention and resources on community policies and actions that will produce successive benefits over time. A mitigation plan states the aspirations and specific courses of action that a community intends to follow to reduce vulnerability and exposure to future hazard events. These plans are formulated through a systematic process centered on the participation of citizens, businesses, public officials, and other community stakeholders.

The planning area for this plan update is for Collin County, Texas and includes the following jurisdictions:

- A. Collin County (unincorporated)
- B. City of Allen
- C. City of Anna*
- D. City of Blue Ridge*
- E. City of Celina*
- F. Town of Fairview*
- G. City of Farmersville*
- H. City of Frisco
- I. City of Josephine*
- J. City of Lavon
- K. City of Lowry Crossing*
- L. City of Lucas
- M. City of Melissa*
- N. City of Murphy*
- O. Town of New Hope*
- P. City of Parker*
- Q. City of Princeton*
- R. Town of Prosper*
- S. Town of St. Paul*
- T. City of Wylie

**New jurisdiction not included in the 2011 HazMAP*

The contents of this plan update are designed and organized to be as reader-friendly and functional as possible. The structure and format of this plan has significantly changed from the initial Mitigation Plan that was adopted in 2011. However, the content or base information has been maintained.

As this plan is an update to the original plan, there have been developments and evolutions to the hazard mitigation strategy of Collin County. The first is the addition of new jurisdictions to the plan. Each jurisdiction's individual mitigation strategy is discussed in their annex. Fourteen new jurisdictions participated in this plan. Jurisdictions that participated in the 2011 HazMAP have changes in development highlighted in their individual annex.

As the growth of Collin County has expanded since the previous version of the plan, the vulnerability analysis has changed. New hazards have been added, including:

- Expansive Soils
- Lightning

Discussion of these hazards, along with expanded discussion of all previously-included hazards, can be found in chapter 3.

The objectives of this updated plan remain the same as in the previous plan. These include:

- To save lives and reduce injuries.
- Minimize damage to buildings and infrastructure (especially critical facilities).
- Minimize economic losses

Further examination of the action items from the 2011 plan, including the status of each action item, can be found in Chapter 4 of the main plan. New action items for each jurisdiction are located in the jurisdictional annexes.

During the development phase of this updated planning document, the review team noted some changes. While the scope and intent of the 2011 priorities remain the same, some of the underlying factors driving the priorities reflect new external trends, such as public perceptions and expectations, or are indicative of new awareness and approaches to community mitigation strategies.

2011 Plan Priorities:

- 1) Local Plans and Regulations, including: changes to plans and regulations across a variety of community departments and commissions for the purpose of strengthening future documents
- 2) Structure and Infrastructure Projects, including: construction regulations; rights-of-way, easements and road specifications; implementation of the Tornado Safe Room Rebate Program; development of extreme temperature shelters
- 3) Natural Systems Protection, including: flood zone regulations, wildland fire planning and prevention, and acquisition of hazard prone land; studies to further identify hazard-prone areas
- 4) Educations and Awareness Programs, including: systems to alert residents of impending hazard events, and public education programs to promote awareness of natural hazards and mitigation efforts

Areas of 2015 Priority Refinement:

- Post disaster conditions
 - With the potential for significant reimbursement for post-disaster projects through FEMA grants, it was prudent the plan be updated.
- Financial, legal and political realities
 - The Collin County Hazard Mitigation Action Plan (HazMAP) was updated to new standards utilizing a HMA grant and the North Central Texas Council of Governments (NCTCOG). This provided the necessary financial assistance and personnel to help organize the jurisdictions of Collin County, as well as compile the data into a cohesive plan.
 - Due to a HMA grant funding the NCT Safe Room Rebate Program, there was initial concern that only jurisdictions that were part of the county plan or had their own HazMAP would be eligible. As a result, most of the Collin County jurisdictions opted to participate in the Collin County HazMAP.
- Changes in hazard focus
 - Collin County has not changed the overall focus on hazards but has updated the likelihood of an occurrence based on new data from past meteorological and archival data. With these updates, the data has shown we are more likely to experience certain disasters over others. Through the use of the Priority Risk Index, persons interested in the plan will be able to better understand the rank of disasters and why one disaster may be considered at a higher risk than others. In addition, expansive soils and lightning were included as potential hazards. These hazards were not included in the 2011 plan.

Collin County Hazard Mitigation Action Plan

The 2015 Planning Team acknowledges this mitigation plan is a planning document, not a regulatory document. The plan meets Federal Emergency Management Agency (FEMA) planning requirements by addressing hazards, vulnerability and risk.

This page intentionally left blank.

Table of Contents

Executive Summary	1
Table of Contents	5
Chapter 1: Introduction	7
1.1 Purpose	7
1.2 Collin County Hazard Mitigation Action Plan Planning Process	7
1.3 HazMAP Planning Process Point of Contact and Demographics	8
1.4 Collin County Hazard Mitigation Action Plan Organization	10
1.5 Collin County Hazard Mitigation Strategy Maintenance Process	10
1.6 Collin County Hazard Mitigation Action Plan Adoption	11
Chapter 2: Planning Process	13
Chapter 3: Hazard Identification and Risk Assessment	15
3.1 Profiling Hazards	15
3.2 Location of Hazards	19
3.3 Extent	263
3.4 Geographic Information System Based Analysis	279
3.5 Statistical Risk Assessment	307
3.6 Qualitative Assessment	337
3.7 Summary	341
Chapter 4: 2011 Plan Action Items	343
4.1 Collin County Action Items: 2011 Plan	343
4.2 City of Allen Action Items: 2011 Plan	349
4.3 City of Frisco Action Items: 2011 Plan	355
4.4 City of Lavon Action Items: 2011 Plan	359
4.5 City of Lucas Action Items: 2011 Plan	365
4.6 City of Wylie Action Items: 2011 Plan	375
Chapter 5: Plan Maintenance	383
5.1 Monitoring, Evaluating, and Updating the Plan	383
5.2 Plan Incorporation	384
5.3 Continued Public Involvement	384
Chapter 6: Introduction to Jurisdictional Annexes	385
Jurisdictional Annexes	A-1
Appendix A: Planning Process Documentation	App-1

This page intentionally left blank.

Chapter One: Introduction

1.1 Purpose

Collin County is susceptible to a number of different natural hazards that have potential to cause property damage or loss, loss of life, economic hardship, and threats to public health and safety. Occurrence of natural disasters cannot be prevented; however, their impact on people and property can be lessened through hazard mitigation measures.

The Collin County Hazard Mitigation Action Plan has been developed by the Collin County Hazard Mitigation Planning Team (HMPT). The plan represents collective efforts of citizens, elected and appointed government officials, business leaders, non-profit organizations, and other stakeholders.

Through the development of this plan, the Planning Team identified the natural hazards that could affect Collin County, and evaluated the risks associated with these hazards. The implementation of this plan will make Collin County more disaster- resilient because the benefits that can be gained by planning ahead and taking measures to reduce damages before the next disaster strikes have been recognized. The plan will allow Collin County and participating jurisdictions to comply with the Disaster Mitigation Act of 2000 (DMA 2000) and its implementing regulations 44 CFR Part 201.6, thus resulting in eligibility to apply for federal aid for technical assistance and post-disaster hazard mitigation project funding.

1.2 Collin County Hazard Mitigation Action Plan Planning Process

The Collin County Hazard Mitigation Action Plan (HazMAP) was created in order to meet current federal and state hazard mitigation plan regulations in compliance with the following rules and regulations:

Section 322, Mitigation Planning, of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, as enacted by Section 104 of the Disaster Mitigation Act of 2000 (P.L. 106-390)

Federal Emergency Management Administration's Interim Final Rule, published in the Federal Register on February 26, 2002, at 44 CFR Part 201.

Each jurisdiction participated by having a Hazard Mitigation Planning Committee (HMPC). Each HMPC participated in the creation of and contributed to the Hazard Mitigation Action Plan. The North Central Texas Council of Governments (NCTCOG) Emergency Preparedness Department also participated in the HazMAP update³⁴¹. NCTCOG's role was to assist in compiling the jurisdictional information and preparing the plan for submission. Collin County hazard mitigation planning meetings were held on June 11, 2014 and September 18, 2014.

1.3 HazMAP Planning Process Point of Contact and Demographics

The following were the points of contacts during the HazMAP planning process for 2014:

Jurisdiction	Agency	Title	Jurisdiction	Agency	Title
Collin County	Homeland Security	Assistant EMC	Lowry Crossing	Administration	City Secretary
Allen	Fire Dept.	Fire Marshal	Lucas	Fire Dept.	Fire Chief/EMC
Anna	Fire Dept.	Fire Chief	Melissa	Fire Dept.	Fire Chief
Blue Ridge	Public Works	Public Works Director	Murphy	Fire Dept.	Fire Chief
Celina	Fire Dept.	Deputy Chief	New Hope	City Council	Mayor
Fairview	Fire Dept.	Fire Chief	Parker	Fire Dept.	Fire Chief
Farmersville	Fire Dept.	Fire Chief	Princeton	Administration	City Manager
Frisco	Fire Dept.	EMC	Prosper	Fire Dept.	EM Specialist
Josephine	Fire Dept.	Fire Captain	St. Paul	City Council	Mayor
Lavon	Police Dept.	Police Chief	Wylie	Fire Dept.	EMC

Jurisdiction	2010 Population	2014 Population
Collin County	782,341	846,850
Allen	84,246	90,030
Anna	8,249	10,250
Blue Ridge	822	822
Celina	7,248	6,660
Fairview	3,301	8,310
Farmersville	3,301	3,292
Frisco	116,989	137,310
Josephine	812	811
Lavon	2,219	2,740
Lowry Crossing	1,711	1,710
Lucas	5,166	5,970
Melissa	4,695	6,190
Murphy	17,708	18,020
New Hope	614	614



SOLE SOURCE

DATE: October 17, 2016
 TO: Purchasing Coordinator
 FROM: Ted Stephens

SUBJECT: SOLE SOURCE AFFIDAVIT FOR Motorola Solutions

(Name of Vendor)

PURCHASE AMOUNT: \$ 79,666.20

REQUISITION NO:

DESCRIPTION OF ITEMS OR SERVICE: (Attach additional documentation, if necessary) Year one replacement radios for apparatus.

I have contacted a sufficient number of vendors to determine that only one practical source of supply exists. I have initialed the reason(s) why only one source of supply exists and stated it below:

- **There is no competitive or similar product.**
The good/service is a one-of-a-kind or patented product, a copyrighted publication available from only one source, or a unique item such as an art work.
- **The product is only available from a regulated or natural monopoly.** For example, utilities, gravel from the only pit in the area or some similar situation.
- **The product is a component of an existing system which is only available from one supplier.** The replacement of a component or a repair part is only available from the original supplier.
- **The item is produced by non-profit corporations using handicapped workers.** Products made by blind or otherwise handicapped workers are often used by schools, cities, and counties.
- **The item is produced by prison workers.** The state benefits from the sale of these items.
- **There are no other items available in the marketplace that have the same fit, form and function of the items being purchased.**

Signature

Ted Stephens

Date

10-24-16



MOTOROLA SOLUTIONS

Quote Number: QU0000361118

Effective: 03 MAY 2016

Effective To: 31 OCT 2016

Bill-To:

LUCAS FIRE-RESCUE, CITY OF
165 1ST COUNTRY CLUB RD
LUCAS ALLEN, TX 75002
United States

Attention:

Name: Craig Zale
Phone: 214-548-8251

Sales Contact:

Name: Bobby Thompson
Email: bthompson@dfwcomm.com
Phone: 4692363743

Contract Number: 32309 - PAWM
Freight terms: FOB Destination
Payment terms: Net 30 Due

Item	Quantity	Nomenclature	Description	List price	Your price	Extended Price
1	8	H98UCF9PW6AN	APX6000 700/800 MODEL 2.5 PORTABLE	\$2,738.00	\$1,642.80	\$13,142.40
1a	8	H885BK	ADD: 3 YEAR SERVICE FROM THE START LITE	\$84.00	\$84.00	\$672.00
1b	8	Q806BM	ADD: ASTRO DIGITAL CAI OPERATION	\$515.00	\$309.00	\$2,472.00
1c	8	QA02006AA	ENH: APX6000XE RUGGED RADIO	\$800.00	\$480.00	\$3,840.00
1d	8	QA01427AB	ALT: IMPACT GREEN HOUSING	\$25.00	\$15.00	\$120.00
1e	8	QA00580AC	ADD: TDMA OPERATION	\$450.00	\$270.00	\$2,160.00
1f	8	H38BT	ADD: SMARTZONE OPERATION	\$1,200.00	\$720.00	\$5,760.00
1g	8	Q361AR	ADD: P25 9600 BAUD TRUNKING	\$300.00	\$180.00	\$1,440.00
1h	8	G996AU	ADD: PROGRAMMING OVER P25 (OTAP)	\$100.00	\$60.00	\$480.00
1i	8	QA03399AA	ADD: ENHANCED DATA	\$150.00	\$90.00	\$720.00
2	8	NNTN8930A	BATT IMPRES 2 LIION TIA4950 R IP68 2650T	\$155.00	\$100.75	\$806.00
(Notes)SPARE BATTERY						
3	10	NNTN8575A	AUDIO ACCESSORY-REMOTE SPEAKER MICROPHONE.IMPRES XE RSM XT CABLE GREEN	\$480.00	\$312.00	\$3,120.00
4	2	H49TGD9PW1AN	APX7000XE DIGITAL PORTABLE RAD	\$3,986.00	\$2,391.60	\$4,783.20
4a	2	QA01427AC	ALT: IMPACT GREEN HOUSING	\$25.00	\$15.00	\$30.00
4b	2	Q806BP	ADD: ASTRO DIGITAL CAI OPERATION	\$515.00	\$309.00	\$618.00
4c	2	Q58AL	ADD: 3 YEAR SERVICE FROM THE START LITE	\$102.00	\$102.00	\$204.00
4d	2	QA00569AB	ADD: 7/800MHZ PRIMARY BAND	-	-	-
4e	2	QA00574AC	ADD: VHF SECONDARY BAND	-	-	-
4f	2	QA00577AB	ADD: APX7000XE MODEL 3 OPTION	\$500.00	\$300.00	\$600.00
4g	2	QA00579AC	ADD: ENABLE DUAL BAND OPERATION	\$1,000.00	\$600.00	\$1,200.00
4h	2	H38BU	ADD: SMARTZONE OPERATION	\$1,500.00	\$900.00	\$1,800.00
4i	2	Q361AS	ADD: P25 9600 BAUD TRUNKING	\$300.00	\$180.00	\$360.00
4j	2	G996AV	ADD: PROGRAMMING OVER P25 (OTA)	\$100.00	\$60.00	\$120.00
4k	2	QA00580AD	ADD: TDMA OPERATION	\$450.00	\$270.00	\$540.00
4l	2	QA03399AA	ADD: ENHANCED DATA	\$150.00	\$90.00	\$180.00
5	2	NNTN8930A	BATT IMPRES 2 LIION TIA4950 R IP68 2650T	\$155.00	\$100.75	\$201.50

Item	Quantity	Nomenclature	Description	List price	Your price	Extended Price
6	5	NNTN7624B	IMPRES VEHICULAR CHARGER (FULL KIT)	\$429.00	\$278.85	\$1,394.25
7	1	T7562A	DIGITAL SMARTZONE	-	-	-
7a	3	GA00580AB	ENH: UPGRADE TO TDMA	\$518.00	\$336.70	\$1,010.10
7b	3	QA03399AB	ADD: ENHANCED DATA	\$173.00	\$112.45	\$337.35
8	2	T7562A	DIGITAL SMARTZONE	-	-	-
8a	2	GA00580AB	ENH: UPGRADE TO TDMA	\$518.00	\$336.70	\$673.40
8b	2	QA03399AB	ADD: ENHANCED DATA	\$173.00	\$112.45	\$224.90
9	4	M30TSS9PW1AN	APX7500 DUAL BAND MID POWER	\$2,736.00	\$1,641.60	\$6,566.40
9a	4	W22BA	ADD: PALM MICROPHONE	\$72.00	\$43.20	\$172.80
9b	4	GA00235AA	ADD: NO GPS ANTENNA NEEDED	-	-	-
9c	4	GA00244AA	ADD: 7/800MHZ PRIMARY BAND	-	-	-
9d	4	GA00308AA	ADD: VHF MP SECONDARY BAND	\$400.00	\$240.00	\$960.00
9e	4	GA00579AA	ADD: ENABLE DUAL BAND OPERATION	\$600.00	\$360.00	\$1,440.00
9f	4	G78AR	ADD: 3 YEAR SERVICE FROM THE START LITE	\$158.00	\$158.00	\$632.00
9g	4	G67BC	ADD: REMOTE MOUNT MID POWER	\$297.00	\$178.20	\$712.80
9h	4	G51AT	ENH: SMARTZONE OPERATION APX	\$1,500.00	\$900.00	\$3,600.00
9i	4	G806BE	ADD: ASTRO DIGITAL CAI OPERATION	\$515.00	\$309.00	\$1,236.00
9j	4	G444AE	ADD: APX CONTROL HEAD SOFTWARE	-	-	-
9k	4	G442AJ	ADD: OS CONTROL HEAD	\$432.00	\$259.20	\$1,036.80
9l	4	G831AD	ADD: SPKR 15W WATER RESISTANT	\$60.00	\$36.00	\$144.00
9m	4	G174AD	ADD: ANT 3DB LOW-PROFILE 762-870	\$43.00	\$25.80	\$103.20
9n	4	G299AE	ADD: 1/4 WAVE ROOF TOP 150.8-162	\$19.50	\$11.70	\$46.80
9o	4	G361AH	ADD: P25 TRUNKING SOFTWARE	\$300.00	\$180.00	\$720.00
9p	4	GA00580AA	ADD: TDMA OPERATION	\$450.00	\$270.00	\$1,080.00
9q	4	G996AS	ENH: OVER THE AIR PROVISIONING	\$100.00	\$60.00	\$240.00
9r	4	QA03399AA	ADD: ENHANCED DATA	\$150.00	\$90.00	\$360.00
10	2	M30TSS9PW1AN	APX7500 DUAL BAND MID POWER	\$2,736.00	\$1,641.60	\$3,283.20
10a	2	GA00244AA	ADD: 7/800MHZ PRIMARY BAND	-	-	-
10b	2	GA00308AA	ADD: VHF MP SECONDARY BAND	\$400.00	\$240.00	\$480.00
10c	2	GA00579AA	ADD: ENABLE DUAL BAND OPERATION	\$600.00	\$360.00	\$720.00
10d	2	G78AR	ADD: 3 YEAR SERVICE FROM THE START LITE	\$158.00	\$158.00	\$316.00
10e	2	G67BC	ADD: REMOTE MOUNT MID POWER	\$297.00	\$178.20	\$356.40
10f	2	G806BE	ADD: ASTRO DIGITAL CAI OPERATION	\$515.00	\$309.00	\$618.00
10g	4	W22BA	ADD: PALM MICROPHONE	\$72.00	\$43.20	\$172.80
10h	2	GA00235AA	ADD: NO GPS ANTENNA NEEDED	-	-	-
10i	4	G628AC	ADD: REMOTE MOUNT CBL 17 FEET	\$15.00	\$9.00	\$36.00
10j	2	G51AT	ENH: SMARTZONE OPERATION APX	\$1,500.00	\$900.00	\$1,800.00
10k	2	G444AE	ADD: APX CONTROL HEAD SOFTWARE	-	-	-
10l	2	G442AJ	ADD: OS CONTROL HEAD	\$432.00	\$259.20	\$518.40
10m	2	GA00092AS	ADD: DUAL-CONTRL. IID HARDWARE	\$570.00	\$342.00	\$684.00
10n	4	G831AD	ADD: SPKR 15W WATER RESISTANT	\$60.00	\$36.00	\$144.00
10o	2	G174AD	ADD: ANT 3DB LOW-PROFILE 762-870	\$43.00	\$25.80	\$51.60

Item	Quantity	Nomenclature	Description	List price	Your price	Extended Price
10p	2	G299AE	ADD: 1/4 WAVE ROOF TOP 150.8-162	\$19.50	\$11.70	\$23.40
10q	2	G361AH	ADD: P25 TRUNKING SOFTWARE	\$300.00	\$180.00	\$360.00
10r	2	GA00580AA	ADD: TDMA OPERATION	\$450.00	\$270.00	\$540.00
10s	2	G996AS	ENH: OVER THE AIR PROVISIONING	\$100.00	\$60.00	\$120.00
10t	2	QA03399AA	ADD: ENHANCED DATA	\$150.00	\$90.00	\$180.00
11	4	NNTN8860A	CHARGER, SINGLE-UNIT, IMPRES 2, 3A, 115VAC, US/NA	\$150.00	\$97.50	\$390.00
12	1	NNTN8844A	CHARGER, MULTI-UNIT, IMPRES 2, 6-DISP, NA/LA-PLUG, ACC/USB CHGR	\$1,250.00	\$812.50	\$812.50

Total Quote in USD

\$79,666.20

ALL PURCHASE ORDERS MUST INCLUDE THE FOLLOWING LANGUAGE ON THE PURCHASE ORDER: THIS PURCHASE ORDER IS SUBJECT TO THE TERMS AND CONDITIONS OF THE HOUSTON GALVESTON AREA COUNCIL CONTRACT NUMBER RA05-15 03BA

PO Issued to Motorola Solutions Inc. must:

- >Be a valid Purchase Order (PO)/Contract/Notice to Proceed on Company Letterhead. Note: Purchase Requisitions cannot be accepted
- >Have a PO Number/Contract Number & Date
- >Identify "Motorola Solutions Inc." as the Vendor
- >Have Payment Terms or Contract Number
- >Be issued in the Legal Entity's Name
- >Include a Bill-To Address with a Contact Name and Phone Number
- >Include a Ship-To Address with a Contact Name and Phone Number
- >Include an Ultimate Address (only if different than the Ship-To)
- >Be Greater than or Equal to the Value of the Order
- >Be in a Non-Editable Format
- >Identify Tax Exemption Status (where applicable)
- >Include a Signature (as Required)

ive

F.M. Highway
(S. Angel H
(VARIABLE WIDTH

N00°48'47"W
135.00'

Lake Falcon Drive
(45' RIGHT-OF-WAY)

FL 30" RCP
641.74'
FL 30" RCP
641.82'
FL 30" RCP
641.78'

"X" SET TBM
ELEV. = 644.72

30' WATER LINE
EASEMENT
G.C.F. # 94-0090906,
D.R.C.G.T.

VACANT
REMAINDER
LOT 2, BLOCK A - ANGEL ADDITION
PART OF
CALLED 21.751 ACRES
PENNINGTON PARTNERS, LTD.
VOL. 5104, PG. 1102,
D.R.C.G.T.

PROPOSED 6' WOOD FENCE
N89°44'30"E
310.00'

0.961 Acres
CALLED 21.751 ACRES
PENNINGTON PARTNERS, LTD.
VOL. 5104, PG. 1102,
D.R.C.G.T.

S00°48'47"E
135.00'

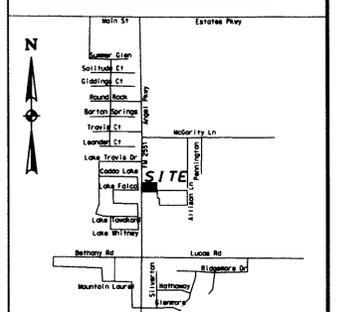
VACANT
REMAINDER
LOT 2, BLOCK A - ANGEL ADDITION
PART OF
CALLED 21.751 ACRES
PENNINGTON PARTNERS, LTD.
VOL. 5104, PG. 1102,
D.R.C.G.T.

CONCRETE PAVING
FIRE LANE, ACCESS
AND UTILITY EASEMENT
(VOL. 2015, PG. 380)

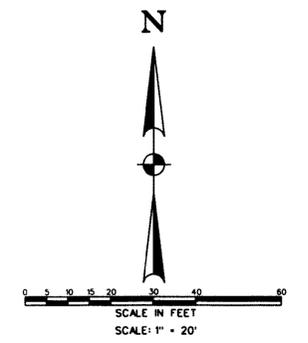
S89°44'30"W
310.00'

EXISTING KWIK KAR
LOT 2, BLOCK A
SC LUCAS ADDITION
VOL. 2015, PG. 380,
M.R.C.G.T.

Fence Design
Side by Side or Stockade Style
Material: Cedar or Treated Pine
Pickets: 1"x4" or 1"x6" Wood with Flat Top
Rails: 2"x4" Wood Minimum 3 Rails (Bottom,
Middle Top)
Post: Metal-Galvanized Steel (Minimum 2" Diameter
with concrete footing) or Wood Square or Round Post
Minimum 4" Diameter.
Fasteners: Coated Screw or Nails or Galvanized
Screws or Nails.



VICINITY MAP
NOT TO SCALE



LANDSCAPE NOTES:
Grass to be Hydromulch Bermuda or solid sod 419 Bermuda. Check with the City of Lucas to determine how to apply turf grass during water restrictions

All landscape areas to be watered by a fully automatic irrigation system including rain and freeze sensors as per City of Lucas and TECQ codes.

Grass and bed areas to be separated by 14 gauge metal edging

Contractor to verify plant material quantities and notify owner of any conflicts

Bed preparation shall consist of incorporating one 4 cubic foot bale of spagnum peat moss and one 3 cubic foot bag of landscapers mix per 75 sq. ft. into the top six inches of existing soil.

All plant material shall meet American Nursery Standards for height and width in each container size. With the exception of ground cover beds, all plant material shall be mulched with 2" of cedar mulch (minimum

Trees shall have a root ball of a minimum of 10 inches of diameter for each inch of caliper.

Contractor shall be responsible for locating all utilities and obtaining permits as required by City of Lucas.

LANDSCAPING REQUIREMENTS:

Site: 41861sq. ft X 15% = 6280 sq.ft.)	6280 sq. ft.
Provided: (>40% %)	20452 sq. ft.
Landscape Edge: (1 shade Tree & 8 shrubs per 20 linear feet of street frontage)	
FM 2551: 135'	
Trees Required: (135/20=6.75)	7
Trees Provided:	7
Shrubs Required: (135/20x8=54)	54
Shrubs Provided:	54
Parking Lot Screening: Provided	
Interior Parking Lot: 29 spaces (10425 s.f. x5%=522 s.f.)	
Landscape Area Required:	521 sq. ft.
Provided:	693 sq. ft.
Trees Required (1 tree per 10 spaces)(29 spaces/10 = 2.9)	3
Trees Provided	4
Parking Lot Perimeter: (1 shade tree and 8 plants per 20 linear feet South (98')	
Trees Required: (98/20=4.9)	5
Trees Provided: (None due to drainage esmt.)	0
Shrubs Required: (135/20x8=54)	54
Shrubs Provided: (None due to drainage esmt.)	0
West (124')	
Trees Required: (124/20=6.2)	6
Trees Provided:	6
Shrubs Required: (124/20x8=49.6)	50
Shrubs Provided:	54

Maintenance
Every property owner and any tenants shall keep their landscaping in a well maintained, safe, clean, and attractive, condition at all times. Such maintenance includes, but is not limited to, the following:
(1) Landscaping areas shall be kept free of trash, litter, weeds, and other such materials or plants not a part of landscape. All plant material shall be maintained in a healthy and growing condition, and must be replaced with plant material of similar variety and size (size not to be smaller than the minimum required by this article at the time of replacement) if diseased, damaged, destroyed, or removed.
(2) Lawn mowing on a regular basis as determined by the planning director.
(3) Tree and shrub pruning.
(4) Watering of landscaped areas on a regular basis. An automatic underground irrigation system is required for all landscaping.
(5) Keeping landscape lighting in working order.
(6) Keeping lawn and garden areas alive, free of weeds, and attractive.
(7) Cleaning of abutting waterways and landscaped areas lying between public right-of-way lines and the property unless such streets, waterways or landscaped areas are expressly designated to be maintained by applicable governmental authority.

SITE DATA SUMMARY - ANGEL PARKWAY PET HOSPITAL

1. EXISTING ZONING:	PD 2004-10-108 AND BG
2. PROPOSED ZONING:	SAME
3. PROPOSED USE:	VETERINARY CLINIC - GENERAL/WC/D OFFICE
4. PROPERTY AREA:	41,861 SF - 0.961 ACRES
5. AREA OF PROPOSED BUILDING:	4,375 SF
6. BUILDING HEIGHT:	ONE STORY 35' MAX BUILDING HEIGHT
7. LOT COVERAGE:	10.45%
F.A.R. =	.10:1
8. PARKING REQUIRED:	1 SPACE/200 SF = 4375/200 = 22 SPACES
9. PARKING PROVIDED:	27 SPACES + 2 ACCESSIBLE = 29 SPACES

ARCHITECT:
PLACES MADE ARCHITECTURE
2840 KELLER SPRINGS ROAD, SUITE 103
CARROLLTON, TEXAS 75006
(214)529-9508
DAVID O'SHEA

CONTRACTOR:
TRI-STAR CONSTRUCTION
3601 YUCCA DRIVE
FLOWER MOUND, TEXAS 75028
RANDY AHLFS
(972)221-5558

ENGINEER:
HELMBERGER ASSOCIATES, INC.
1525 BOZMAN ROAD
WYLIE, TEXAS 75098
RANDALL T. HELMBERGER, PE
(972) 442-7459

LANDSCAPE PLAN						
ANGEL PARKWAY PET HOSPITAL						
LOT 1, BLOCK A - ANGEL ADDITION						
LUCAS, TEXAS						
SHARP LANDSCAPES						
1129 HUNTINGTON DRIVE • RICHARDSON, TEXAS 75060						
BILL SHARP - 972-976-6172						
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
HELM.	CAOD	JANUARY 2016	1"=20'	LBORDER	1548	L1

PLANT #	PLANT NAME	SIZE	SPACING	HEIGHT*	QUANTITY
DBH	Dwf. Burford Holly (Ilex comuta burfordi nana)	5 gal	36"	20"	54
LO	Live Oak (Quercus virginiana)	4" cal.	A/I	16'	3
LBE	Lace Bark Elm (Ulmus "lace bark")	4" cal.	A/I	16'	2
BC	Bald Cypress (Taxodium distichum)	4" cal.	A/I	16'	6
*Height at time of planting					

LINE LEGEND:

---	PROPERTY LINE
---	DRAINAGE FLOW
---	PROPOSED WATER LINE
---	PROPOSED CURB
---	EXISTING CONTOUR LINE
---	BUILDING SETBACK LINE
---	UTILITY EASEMENT
---	DRAINAGE DIVIDE LINE
---	LOT LINE



City of Lucas Council Agenda Request November 3, 2016

Requester: City Manager Joni Clarke

Agenda Item:

Consider the adoption of the updated Collin County Inter-jurisdictional Emergency Management Plan and authorize the Mayor to execute the Mayoral Signature Page and approve the Texas Division of Emergency Management Emergency Management Director/Coordinator Notification Form TDEM-147.

Background Information:

In accordance with Chapter 1 General Provisions of the Code of Ordinances, Article 1.07 Emergency Management, the Mayor is designated the Emergency Management Director of the City (Section 1.07.002(a)) and is required to develop an Emergency Management Plan for the City (Section 1.07.004).

Citizen Summary:

The City of Lucas is required to adopt an Emergency Management Plan in preparation for disaster response and to promote a culture of preparedness.

Attachments/Supporting Documentation:

1. Collin County Inter-jurisdictional Emergency Management Plan (this document is very lengthy and is available upon request)
2. Texas Division of Emergency Management Emergency Management Director/Coordinator Notification Form TDEM-147
3. James McCrone, Collin County Emergency Management Coordinator letter dated October 21, 2016 (with attachments)
4. Chapter 1 General Provisions of the Code of Ordinances, Article 1.07 Emergency Management

Budget/Financial Impact:

NA

Recommendation:

Adopt the Collin County inter-jurisdictional Emergency Management Plan to serve as the Plan for the City of Lucas.

Motion:

I move to adopt the Collin County inter-jurisdictional Emergency Management Plan to serve as the Plan for the City of Lucas and authorize the Mayor to execute the signature page and approve the Texas Division of Emergency Management Emergency Management Director/Coordinator Notification Form TDEM-147 appointing Mayor Jim Olk to serve as Emergency Management Director, Fire Chief Ted Stephens as Emergency Management Coordinator and City Manager Joni Clarke as Assistant Emergency Management Coordinator.



COLLIN COUNTY

Emergency Management
4300 Community Avenue
McKinney, Texas 75071
(972) 548-4383
FAX (972) 548-4747

October 21, 2016

665 Country Club Road
Lucas, TX 75002-7651

Dear Mayor Jim Olk:

The Collin County inter-jurisdictional Emergency Management Plan has been updated and adopted by the Collin County Commissioners Court. This plan is required for each municipality under Title 37 Texas Administrative Code Chapter §7.12: Each county and incorporated city in Texas shall maintain an emergency management agency or participate in a local or inter-jurisdictional emergency management agency and Texas Government Code Chapter 418 Subchapter E Section 106: Each local and inter-jurisdictional agency shall prepare and keep current an emergency management plan for its area providing for disaster mitigation, preparedness, response, and recovery.

A copy of the updated emergency management plan is included on the enclosed CD. In addition, the State of Texas has requested that each jurisdiction complete a form with their appointed emergency management coordinator's contact information. Please sign the enclosed Emergency Management Plan signature page, as well as, complete the Texas Division of Emergency Management form, and return them to the Collin County Office of Emergency Management.

If you have any questions or concerns, please give me a call at our office at (972) 548-5535 to discuss this with you in more detail.

Sincerely,

James McCrone

Collin County Emergency Management Coordinator

Attachments:

1. Collin County Comprehensive Emergency Management Plan
2. Jurisdiction Mayoral Signature Page
3. TDEM 147 for designation of Emergency Management Coordinator
4. Commissioners Court Order No. 2016-782-10-10



COLLIN COUNTY

EMERGENCY OPERATIONS PLAN

Signature Page

Mayor, City of Lucas

Date



COLLIN COUNTY
EMERGENCY OPERATIONS PLAN

Signature Page

Mayor, City of Lucas

Date

THE STATE OF TEXAS

COUNTY OF COLLIN

Subject: Adoption, Collin County Comprehensive Emergency Management Plan – Emergency Management

On October 10, 2016, the Commissioners Court of Collin County, Texas, met in regular session with the following members present and participating, to wit:

Keith Self
Susan Fletcher
Cheryl Williams
Chris Hill
Duncan Webb

County Judge, Presiding
Commissioner, Precinct 1
Commissioner, Precinct 2
Commissioner, Precinct 3
Commissioner, Precinct 4

During such session the court considered a request for approval to adopt the Collin County Comprehensive Emergency Management Plan.

Thereupon, a motion was made, seconded and carried with a majority vote of the court for approval to adopt the Collin County Comprehensive Emergency Management Plan. Same is hereby approved in accordance with the attached documentation.



Keith Self, County Judge

Susan Fletcher, Commissioner, Pct. 1

Cheryl Williams, Commissioner, Pct. 2

Chris Hill, Commissioner, Pct. 3

Duncan Webb, Commissioner, Pct. 4

ATTEST:

Stacy Kemp, Ex-Officio Clerk
Commissioners Court
Collin County, T E X A S

Sec. 1.06.009 Interpretation of content

Any official may request, and the city attorney shall issue, a verbal or written opinion (as deemed appropriate) concerning the meaning or effect of any section, word, or requirement of this code of ethics as it affects such person.

(Ordinance 2014-12-00805 adopted 2/5/15)

ARTICLE 1.07 EMERGENCY MANAGEMENT*

Sec. 1.07.001 National Incident Management System adopted

The city hereby adopts the National Incident Management System dated March 1, 2004. (Ordinance 2005-10-00537 adopted 10/3/05)

Sec. 1.07.002 Organization

(a) There exists the office of emergency management director of the city, which shall be held by the mayor in accordance with state law.

(b) An emergency management coordinator may be appointed by and serve at the pleasure of the director.

(c) The director shall be responsible for a program of comprehensive emergency management and for carrying out the duties and responsibilities set forth in this article. The director may delegate authority for execution of these duties to the coordinator, but ultimate responsibility for such execution shall remain with the director.

(d) The operational emergency management organization shall consist of the officers and employees of the city so designated by the director in the emergency management plan, as well as organized volunteer groups. The functions and duties of this organization shall be distributed among such officers and employees in accordance with the terms of the emergency management plan.

Sec. 1.07.003 Emergency management director - powers and duties

The duties and responsibilities of the emergency management director shall include the following:

- (1) Conduct an ongoing survey of actual or potential hazards which threaten life and property within the city and an ongoing program of identifying and requiring or recommending the implementation of measures which would tend to prevent the occurrence or reduce the impact of such hazards if a disaster did occur.
- (2) Supervision of the development and approval of an emergency management plan for the city, and shall recommend for adoption by the city council all mutual aid arrangements deemed necessary for the implementation of such plan.

* **State law reference**—Local and interjurisdictional emergency management, V.T.C.A., Government Code, ch. 418.

- (3) Authority to declare a local state of disaster. The declaration may not be continued or renewed for a period in excess of seven (7) days except by or with the consent of the city council. Any order or proclamation declaring, continuing, or terminating a local state of disaster shall be given prompt and general publicity and shall be filed promptly with the city secretary.
- (4) Issuance of necessary proclamations, regulations, or directives which are necessary for carrying out the purposes of this article. Such proclamations, regulations, or directives shall be disseminated promptly by means calculated to bring their contents to the attention of the general public and, unless circumstances attendant on the disaster prevent or impede, promptly filed with the city secretary.
- (5) Direction and control of the operations of the emergency management organization as well as the training of emergency management personnel.
- (6) Determination of all questions of authority and responsibility that may arise within the emergency management organization.
- (7) Maintenance of liaison with other municipal, county, district, state, regional or federal emergency management organizations.
- (8) Marshaling of all necessary personnel, equipment, or supplies from any department of the city to aid in the carrying out of the provisions of the emergency management plan.
- (9) Supervision of the drafting and execution of mutual aid agreements, in cooperation with the representatives of the state and of other local political subdivisions of the state, and the drafting and execution, if deemed desirable, of an agreement with the county and with other municipalities within the county, for the countywide coordination of emergency management efforts.
- (10) Supervision of, and final authorization for, the procurement of all necessary supplies and equipment, including acceptance of private contributions which may be offered for the purpose of improving emergency management within the city.
- (11) Authorizing of agreements, after approval by the city attorney, for use of private property for public shelter and other purposes.
- (12) Survey of the availability of existing personnel, equipment, supplies, and services which could be used during a disaster, as provided for herein.
- (13) Other requirements as specified in the Texas Disaster Act of 1975, codified in chapter 418 of the Texas Government Code.

Sec. 1.07.004 Emergency management plan

A comprehensive emergency management plan shall be developed and maintained to the advanced level, and the plan and all annexes shall be NIMS compliant. The plan shall set forth the form of the organization, establish and designate divisions and functions; assign responsibilities, tasks, duties, and powers; and designate officers and employees to carry out the provisions of this article. As provided by state law, the plan shall follow the standards and criteria established by the state division of emergency management. Insofar as possible, the form of organization, titles, and terminology shall conform to the recommendations of the state division of emergency management. When approved, it shall be the duty of all departments and agencies to perform the functions assigned by the plan and to maintain their portion of the plan in a current state of readiness at all times. The emergency management plan shall be considered supplementary to this article and have the effect of law during the time of a disaster.

Sec. 1.07.005 Interjurisdictional program

The mayor is hereby authorized to join the county judge and the mayors of other cities in said county, in the formation of an interjurisdictional emergency management program for the county, and shall have the authority to cooperate in the preparation of an interjurisdictional emergency management plan and in the appointment of a joint emergency management coordinator, as well as all powers necessary to participate in a countywide program of emergency management insofar as said program may affect the city.

Sec. 1.07.006 Organization of city, officers, functions and duties

The operational emergency management organizations of the city shall consist of the officers and employees of the city so designated by the director in the emergency management plan, as well as organized volunteer groups. The functions and duties of this organization shall be distributed among such officers and employees in accordance with the terms of the emergency management plan. Such plan shall set forth the form of the organization, establish and designate divisions and functions, assign tasks, duties and powers, and designate officers and employees to carry out the provisions of this chapter. Insofar as possible, the form of organization, titles and terminology shall conform to the recommendations of the state division of emergency management and of the federal government.

Sec. 1.07.007 Override

At all times when the orders, rules, and regulations made and promulgated pursuant to this article shall be in effect, they shall supersede and override all existing articles, orders, rules, and regulations insofar as the latter may be inconsistent therewith.

Sec. 1.07.008 Article not to conflict with state and federal regulations

This article shall not be constructed so as to conflict with any state or federal statute or with any military or naval order, rule or regulation.

Sec. 1.07.009 Liability

This article is an exercise by the city of its governmental functions for the protection of the public peace, health, and safety, and neither the city, its agents nor representatives, nor any individual, receiver, firm, partnership, corporation, association, or trustee, nor any of the agents thereof, in

good faith carrying out, complying with or attempting to comply with any order, rules or regulation promulgated pursuant to the provisions of this article shall be liable for any damage sustained to persons as the result of said activity. Any person owning or controlling real estate or other premises who voluntarily and without compensation grants to the city a license of privilege, or otherwise permits the city to inspect, designate, and use the whole or any part or parts of such real estate or premises for the purpose of sheltering persons during an actual, impending, or practice enemy attack or natural or manmade disaster shall, together with his successors in interest, if any, not be civilly liable for the death of, or injury to, any person on or about such real estate or premises under such license, privilege or other permission or loss of, or damage to, the property of such person.

Sec. 1.07.010 Commitment of funds

No person shall have the right to expend any public funds of the city in carrying out any emergency management activity authorized by this article without prior approval by the city council, nor shall any person have any right to bind the city by contract or otherwise without prior and specific approval of the city council unless during a declared disaster. During a declared disaster, the mayor may expend and/or commit public funds of the city when deemed prudent and necessary for the protection of health, life, or property.

Sec. 1.07.011 Offenses; penalties

(a) It shall be unlawful for any person willfully to obstruct, hinder, or delay any member of the emergency management organization in the enforcement of any rule or regulation issued pursuant to this article.

(b) It shall be unlawful for any person to wear, carry, or display any emblem, insignia, or any other means of identification as a member of the emergency management organization of the city, unless authority to do so has been granted to such person by the proper officials.

(c) Any authorized person who shall operate a siren or other device so as to simulate a warning signal, or the termination of a warning, shall be deemed guilty of a violation of this article and shall be subject to the penalties imposed by this article.

(d) Convictions for violations of the provisions of this article shall be punishable by fine not to exceed two thousand and no/100 dollars (\$2,000.00).

(Ordinance 2015-01-00807 adopted 1/15/15)

ARTICLE 1.08 RECORDS MANAGEMENT*

Sec. 1.08.001 Program adopted

The governing body of the city does hereby establish and adopt a management program for the orderly and efficient retention, retrieval and destruction of the records of the city as follows. (1995 Code, sec. 2-80)

* **State law reference**—Local Government Records Act, V.T.C.A., Local Government Code, ch. 201 et seq.



City of Lucas
City Council Agenda Request
November 3, 2016

Item No. 09

Requester: Development Services Director Joe Hilbourn

Agenda Item:

Discuss and give staff direction regarding updates to the Comprehensive Plan, Chapter 8 – Water and Sewer, including the Sewer Master Plan Map.

Background Information:

The Comprehensive Plan should be updated periodically to reflect changes in the community. The last update to the Comprehensive Plan was conducted in 2006. The City had its Comprehensive Plan kick off meeting that included the Planning and Zoning Commission, City Council and the Parks and Open Space Board on June 7, 2015 and the Planning and Zoning Commission has begun their review and update of components of the Comprehensive Plan. The items to be considered for update include Chapter 8 - Water and Sewer, which include a Water System Master Plan Map and a Sewer Master Plan Map. This is a technical review only.

Citizen Summary:

There is no state law that requires a City to have a Comprehensive Plan; however, if a City would like to enforce zoning it is required to have an adopted Comprehensive Plan that is updated from time to time. The Comprehensive Plan is a long-range planning tool that is intended to be used by the City to guide growth and development of the community for the future. The Comprehensive Plan was adopted in 1980 and as the City grows, the Plan needs periodic updating, the last update was 2004. The goal of this update is to continue to make long-range plans for the community of Lucas as it continues to grow. At this time the Comprehensive Plan has been brought before the Planning and Zoning Commission as a standing item each month. The Comprehensive Plan is required to be adopted following two public hearings. Public hearings for adoption of the amended Comprehensive Plan are tentatively scheduled for January or February, 2017.

Attachments/Supporting Documentation:

1. Chapter 8 of the City's Comprehensive Plan
2. Approved Sewer Master Plan Map
3. Dead end water line map
4. Water system map

Budget/Financial Impact:

NA

Recommendation:

NA

Motion:

NA

INTRODUCTION

The City of Lucas owns and operates Lucas Waterworks that serves the residents inside and outside its current Certificate of Convenience and Necessity (CCN) site map. The Lucas Waterworks serves residents outside the city limits and outside the Lucas extraterritorial jurisdiction (ETJ), but the City does not supply water to all residents within the Lucas ETJ. The Seis Lagos Utility District, the Wylie Northeast Special Utility District and the City of Allen supply water to a portion of residents inside the Lucas city limits and within the Lucas ETJ.

The City's water system is a vital part of the City owned infrastructure. The purpose of this section on the water system is to update the Comprehensive Plan by providing a description of the current water system, identifying the criteria for determining future additions to the water system, and providing a description of the capital improvements needed for the future water system.

EXISTING WATER SYSTEM

Water Supply

The City purchases water from the North Texas Municipal Water District (NTMWD). Water is delivered to the City at two delivery points. One of the delivery points is at the North Pump Station site located on Country Club Road between West Lucas Road and Estates Parkway. The other delivery site is at the McGarity Pump Station site located on McGarity Lane just east of Angel Parkway. The delivery point at the McGarity Pump Station site is the newer of the two delivery sites. It was established when the first facilities were constructed at that site in 2004/2005.

Existing System Facilities

The principal facilities in the existing water system include ground storage tanks, elevated storage tanks, and pump stations. The storage tanks and pump stations are all located at the McGarity Pump Station, the North Pump Station and the Winningkoff elevated tank site. The existing water system is shown on Figure 8.1 at the end of this section. Following is a summary of the principal facilities in the existing water system:

Ground Storage:

McGarity Pump Station	200,000 gallon tank
	350,000 gallon tank
North Pump Station	500,000 gallon tank
	750,000 gallon tank
Total	1,800,000 gallons

CHAPTER 8 - WATER SYSTEM

Elevated Storage:

McGarity Pump Station	300,000 gallon tank
Winningkoff Site	300,000 gallon tank
Total	600,000 gallons

Pumping Facilities:

McGarity Pump Station:

Pump #3 – 750 gpm
Pump #4 – 750 gpm
Pump #5 – 750 gpm

North Pump Station:

Pump #1 – 1,100 gpm
Pump #2 – 1,000 gpm
Pump #3 – 1,000 gpm
Total 5,250 gpm

New Facilities

A number of facilities have been added to the existing water system since the last comprehensive plan was prepared in 2004. These facilities include the initial McGarity Pump Station facilities which were under construction at the time of the preparation of the last comprehensive plan. Those facilities include the 300,000 gallon elevated storage tank, the 200,000 gallon ground storage tank, and the pump station with the first two 750 gpm pumps. Other facilities that have been added to the water system include the following:

Ground Storage:

- 750,000 gallon ground storage tank at the North Pump Station
- 350,000 gallon ground storage tank at the McGarity Pump Station

Pumping Facilities:

- Replacement of 900 gpm pump with 1,100 gpm pump at the North Pump Station
- New pump station at the McGarity Pump Station with two 750 gpm pumps
- Additional 750 gpm pump at the McGarity Pump Station

Water Lines:

- Country Club Road Water Line, including 9,200 feet of sixteen inch- and twelve-inch water lines
- Forest Grove Road Water Line, including 1,000 feet of eight-inch water line
- Shady Lane Water Line including 2,200 feet of eight-inch water line
- Southview Drive Water Line, including 12,000 feet of twelve inch water line
- Brockdale Park Road Water Line, including 7,000 feet of eight-inch water line
- Brookhaven Drive Water Line, including 6,300 feet of eight-inch water line
- Stinson Road Water Line, including 11,700 feet of twelve water line
- Water line to the fire station, including 320 feet of 12-inch water line
- Rock Ridge Road Water Line Phase I, including 3,500 feet of twelve inch water line
- Osage Lane Water Line, including 2,700 feet of six-inch water line

PARAMETERS FOR FUTURE FACILITIES

Typically, the two principal factors that determine the size and capacity of future water system facilities are the anticipated water demand in the water system and certain facilities design criteria. In the case of the Lucas water system, four other factors will also have an impact on the future water system facilities. These factors are the pending conversion of the water system from two pressure planes to one pressure plane, staging the additions to the water system to account for development, the need to reduce the number of dead end water lines in the system, and the ability of the NTMWD to supply water.

Water Demand

Water demand is a function of the number of people living in the service area and their water usage habits. The water customers projected population of the water customers is included in the following table:

The present water system service area is shown in Figure 8.2.

The population to be served by the water system will include the build out population of 13,274, plus an estimated population of 168 people in the Allen ETJ currently being served by the water system. Accordingly, a total population of 13,442 located within the proposed CCN (site map) will be utilized for determining the water demand that will eventually need to be met by the water system. The size and capacity of future system facilities will be based on this population of 13,442.

Since water demand in the water system service area is based on the population and their water usage habits, historical water usage habits need to be determined in

order to establish the projected demands. Based on established water usage habits, the water usage is approximately 250 gallons per capita per day, the maximum day to average day ratio is 2.5, and the peak hour to maximum day ratio is 1.8. With a build out population of 13,442 in the service area, this water usage will result in an average daily demand of 3.36 mgd, a maximum day demand of 8.4 mgd, and a peak hour demand of 15.12 mgd for the water system at build out.

Design Criteria

Different design criteria can be used to determine the size and capacity needed for future system facilities. Minimum requirements for determining the size of storage facilities and pumping facilities are provided by the Texas commission on environmental quality (TCEQ). Per the Texas commission on environmental quality (TCEQ), the water system needs to have at least 200 gallons of ground storage and 100 gallons of elevated storage per connection. More stringent design criteria has been utilized, per previous analysis, for the present water system. This design criteria is based on providing elevated storage to meet peak hour demands in the system. [Based on this criteria, the elevated storage needs to have enough capacity to provide for peak hour demand with a reserve] of one-third of the total elevated storage capacity for fire flow. The ground storage requires sufficient capacity to meet a specified portion of the maximum day demand. The pumping capacity in the system needs to be sufficient to meet a specified portion of the maximum day demand. It is recommended that the more stringent design criteria, which has been used in the past for the existing water system, continue to be utilized for system facilities.

Pressure Planes

The existing water system presently operates on two pressure planes. The upper pressure plane is located primarily in the northwest part of the service area. The lower pressure plane serves the rest of the service area. The facilities that provide water to the upper pressure plane are located at the McGarity Pump Station site. The facilities that provide water to the lower pressure plane are located at the North Pump Station site and the Winningkoff Elevated Tank site.

Prior to the establishment of the two pressure planes, the water system was operating on a single pressure plane. One of the goals is to reestablish one pressure plane in order to simplify operation of the water system and improve efficiency. Due to the difference in elevations of the elevated storage tanks serving the existing water system, one strategy is an altitude valve installed at the Winningkoff elevated storage tank. This will allow the two elevated storage tanks to work together in the water system when it is converted to one pressure plane. Additionally limiting connections between the planes and the installation of residential pressure regulating valves (RPRVs) are other strategies for balancing the planes.

ETJ Annexation

The areas within the Lucas ETJ with the highest potential for annexation are already being served by the Lucas waterworks. However, the large ETJ area in the southeast part of the City is not. If this ETJ area is added to the City by annexation, the area would not be added to the water system service area. These areas are currently located within the CCN held by the Wylie Northeast Special Utility District (WNSUD) and the Seis Lagos Utility District (SLUD). In general terms, the WNSUD supplies water to the southeast corner of the city as well as the Inspiration neighborhood within the Lucas ETJ and the SLUD supplies the Seis Lagos and Brockdale Park neighborhoods.

Projected population in this area at build out is 3,892 people. This added population would not increase the projected population in the water system service area at build out. The only potential impact to the Lucas waterworks would be the operation of the SLUD water infrastructure. The WNSUD would most likely not relinquish its system to the City of Lucas.

Dead End Water Lines

There are a large number of dead end water lines in the existing water system. Most of these have been created over the years as a result of expansion of the water system, primarily when subdivisions were built. Several of the dead end lines are long. Dead end water lines have to be periodically flushed per TCEQ requirements in order to keep sufficient disinfection levels in the water lines. The City has to devote resources and funds to accomplish this purpose. It is the City's goal to address this situation by reducing the number of dead end water lines in the City thru the addition of water lines that will provide loops to eliminate the longer dead end water lines. Looping lines will eliminate the need to flush the lines, will improve the dependability of the system in the area, and enhancing fire protection, Improving. Included at the end of this section is a water system map showing the existing dead end water lines.

PROPOSED WATER SYSTEM

Proposed System Facilities

A number of system improvements will need to be made for the future water system based on water demand, the design criteria for improvements, and the other criteria mentioned in the previous section. The principal facilities needed for build out conditions when the water system service area (without the large ETJ area in the southeast part of the City included in the service area) include the following. These improvements are shown on Figure 8.3 (The capital improvements map) included at the end of this section.

CHAPTER 8 - WATER SYSTEM

McGarity P.S. Site:

- 1,000,000 gallon ground storage tank
- Pump station with two 1,250 gpm pumps (replaces old pump station)
- 300,000 gallon elevated storage tank

North P.S. Site:

- Replace existing 8" delivery line (from NTMWD) with 12" delivery line
- Pump station with two 800 gpm pumps

Winningkoff Elevated Tank Site:

- Altitude valve with valve vault and piping

The additional facilities needed for build out conditions when the water system service area (with the large ETJ area in the southeast part of the City included in the service area) include the following. These improvements are shown on Figure 8.4 (the capital improvements map) shown at the end of this section.

McGarity P.S. Site:

- Add a third 1,250 gpm pump in the new pump station
- 200,000 gallon elevated storage tank

North P.S. Site:

- 800,000 gallon ground storage tank
- Add a third 800 gpm pump in the new pump station

Water Lines:

- 12" water line along Country Club Road and East Lucas Road
- 12" water line between Brockdale Park Road and Southview Drive

The additions to the water system listed above for both sets of conditions (i.e., with and without the large ETJ area in the southeast part of the City included in the service area) provide the facilities that will be needed in the water system under build out conditions and provide a balanced water system with similar capacity facilities at the two pump station sites.

DISCHARGE POINT TO THE NTMWD REGIONAL SEWER LINE

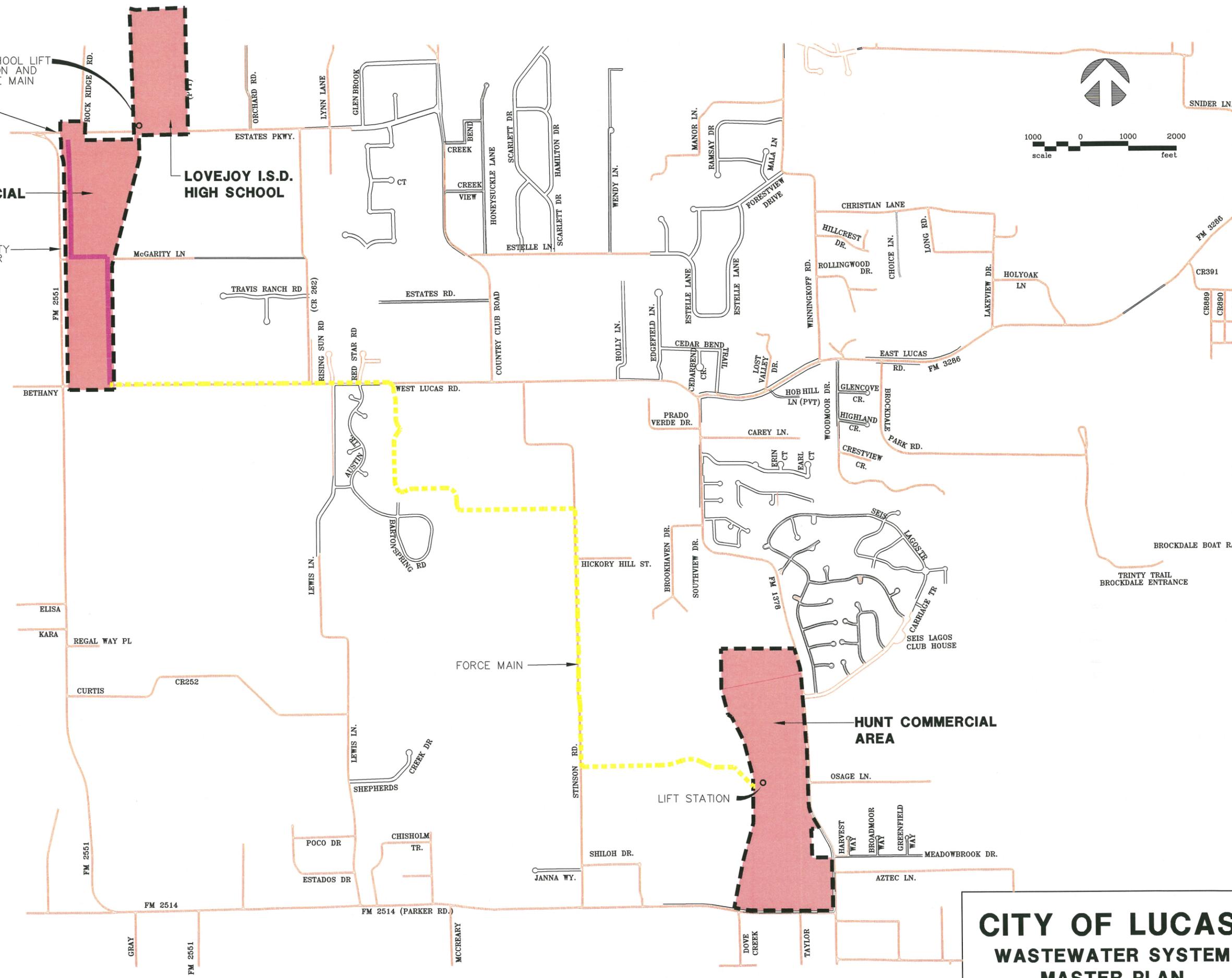
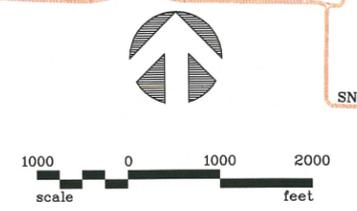
2551 COMMERCIAL AREA

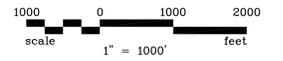
PROPOSED GRAVITY SANITARY SEWER

LOVEJOY I.S.D. HIGH SCHOOL

HUNT COMMERCIAL AREA

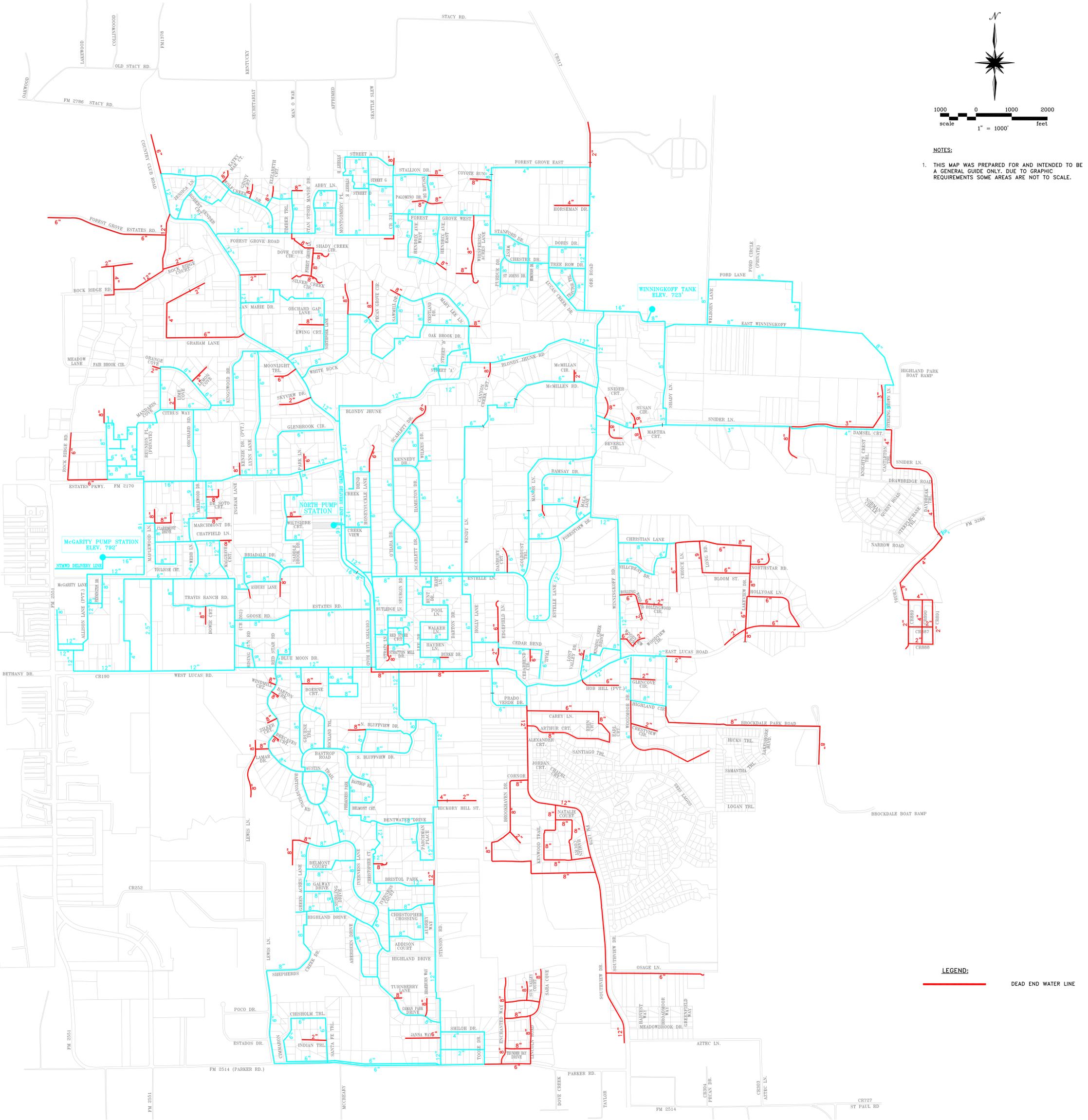
CITY OF LUCAS WASTEWATER SYSTEM MASTER PLAN





NOTES:

1. THIS MAP WAS PREPARED FOR AND INTENDED TO BE A GENERAL GUIDE ONLY. DUE TO GRAPHIC REQUIREMENTS SOME AREAS ARE NOT TO SCALE.

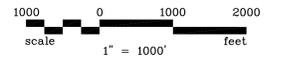


LEGEND:

— DEAD END WATER LINE

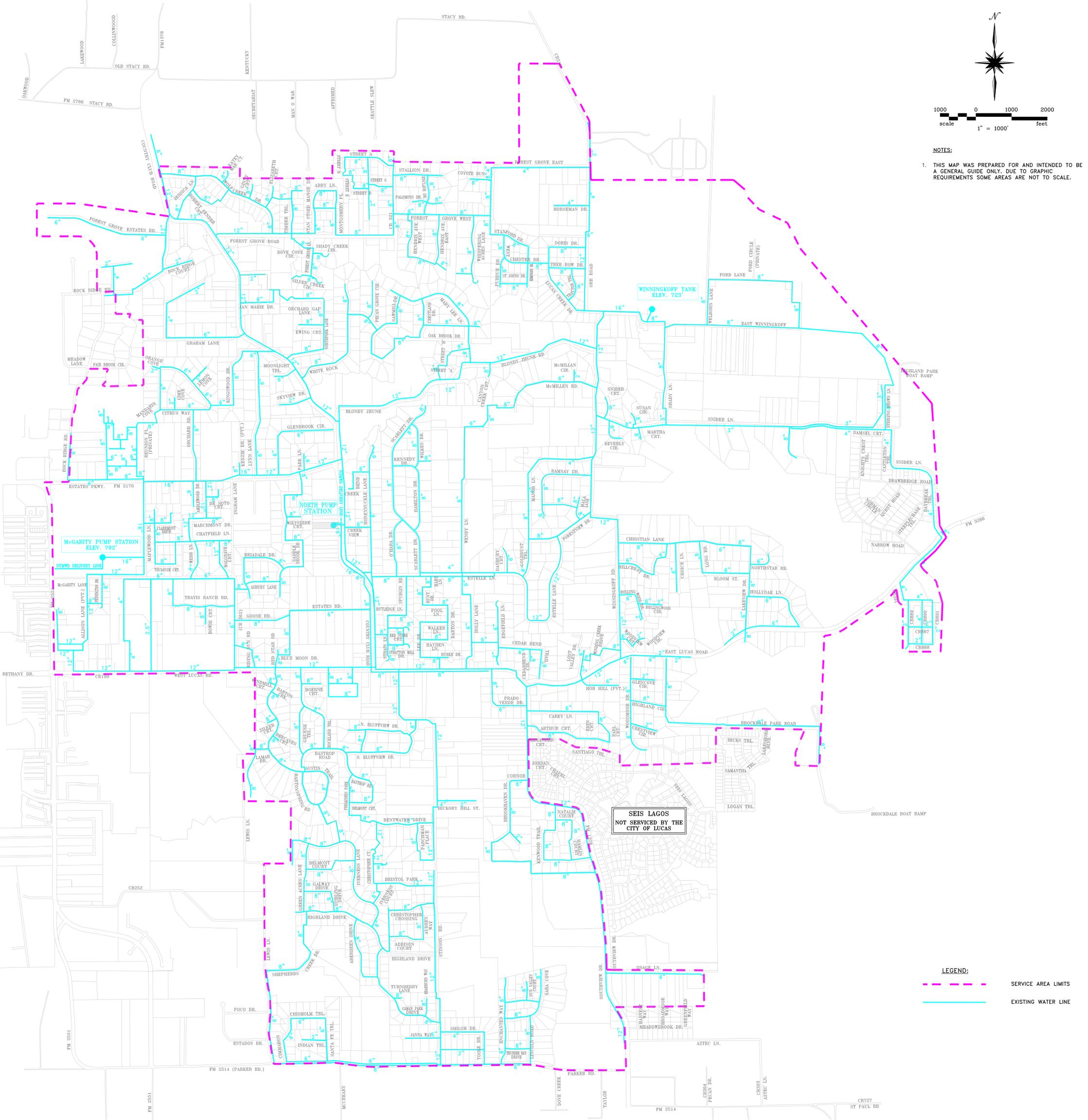
EXISTING WATER SYSTEM DEAD END WATER LINES





NOTES:

1. THIS MAP WAS PREPARED FOR AND INTENDED TO BE A GENERAL GUIDE ONLY. DUE TO GRAPHIC REQUIREMENTS SOME AREAS ARE NOT TO SCALE.



LEGEND:

- SERVICE AREA LIMITS
- EXISTING WATER LINE

EXISTING WATER SYSTEM AND SERVICE AREA





City of Lucas Council Agenda Request November 3, 2016

Requester: City Secretary Stacy Henderson

Agenda Item:

Discuss and consider appointments and reappointments to the Board of Adjustment, Planning and Zoning Commission and the Parks and Open Space Board for two year terms beginning November 3, 2016 through November 1, 2018.

Background Information:

Board of Adjustment:

Currently, there are two members with terms expiring and up for reappointment, and one vacant regular member position. One of the members up for reappointment has expressed that he will have another year of heavy travel and due to his lack of availability offered to resign, but would serve if the Council desired.

Parks and Open Space Board:

Currently there are three members with terms expiring and up for reappointment. All members have expressed they would like to continue to serve; however, one member has expressed their interest in serving on the Planning and Zoning Commission.

Planning and Zoning Commission:

Currently, there three members with terms expiring and up for reappointment, and one vacant alternate member position. One of the three members up for reappointment does not wish to be reappointed.

An appointment chart is attached that outlines each position and their desire to serve as well as attendance records and board volunteer applications that were sent under separate attachment.

Citizen Summary:

The City of Lucas has various boards/committees/commissions that each serve a purpose in the City's vision and goals. Board members are appointed by the City Council and each year applications are accepted to serve on one of the City's various boards. While, the appointment process takes place in October each year, applications can be made at any time throughout the year.



City of Lucas Council Agenda Request November 3, 2016

Requester: City Secretary Stacy Henderson

Attachments/Supporting Documentation:

1. Board/Commission Appointment Chart
2. Board/Commission attendance 2015-2016 (*sent under separate attachment*)
3. Board Volunteer applications on file (*sent under separate attachment*)

Budget/Financial Impact:

NA

Recommendation:

NA

Motion:

NA

Board/Commission Appointment Chart

Board/Commission	Members with Term Expiring	Interested In Reappointment
Board of Adjustment		
2 positions with expiring terms	Randy Barnes	**Available if needed, otherwise will resign
	Adam Sussman	Yes
1 Vacant Regular Member position <i>(position expires in 2016)</i>	Vacant - Regular Member position	
Parks and Open Space Board		
3 positions with expiring terms	David Rhoads	Yes
	Chris Vanhorn	Yes Would like to move to Planning and Zoning Commission
	Brenda Rizos	Yes
Planning and Zoning Commission		
3 positions with expiring terms	Brian Blythe	No – will be resigning
	Andre Guillemaud	Yes
	Joe Williams	Yes
1 Vacant Alternate Position <i>(position expires in 2016)</i>	Vacant Alternate Member position	
Friends of Lucas Fire-Rescue Board		
No terms expiring in 2016		

**Randy Barnes has offered to resign due to his lack of availability, but will serve if needed. Has another year of heavy travel and his availability will be very limited.

Denotes vacant/possible vacant positions



City of Lucas Council Agenda Request November 3, 2016

Requester: Public Works Director/City Engineer Stanton Foerster

Agenda Item:

Consider setting possible agenda items as well as date and time for a town hall style meeting to have a general discussion and to obtain input from citizens regarding transportation philosophy, right-of-way requirements, roadway capacity and classification.

Background Information:

In 2014, the City Council adopted a new Master Thoroughfare Plan. While the City of Lucas is responsible for managing the roadways within the city limits, there is a need for coordination and consideration regarding other governmental agencies: Texas Department of Transportation, Collin County, neighboring cities and towns, and development. All of these interests are changing and evolving.

Citizen Summary:

1. The City Council requested that City Manager Joni Clarke plan for a town hall style meeting to let the City Council receive input from interested parties regarding the transportation needs in Lucas.
2. If the City Council selects a date, time, and agenda for such a meeting; City Secretary Stacy Henderson will post the appropriate information about the meeting.

Attachments/Supporting Documentation:

2014 Master Thoroughfare Plan

Budget/Financial Impact:

To be determined.

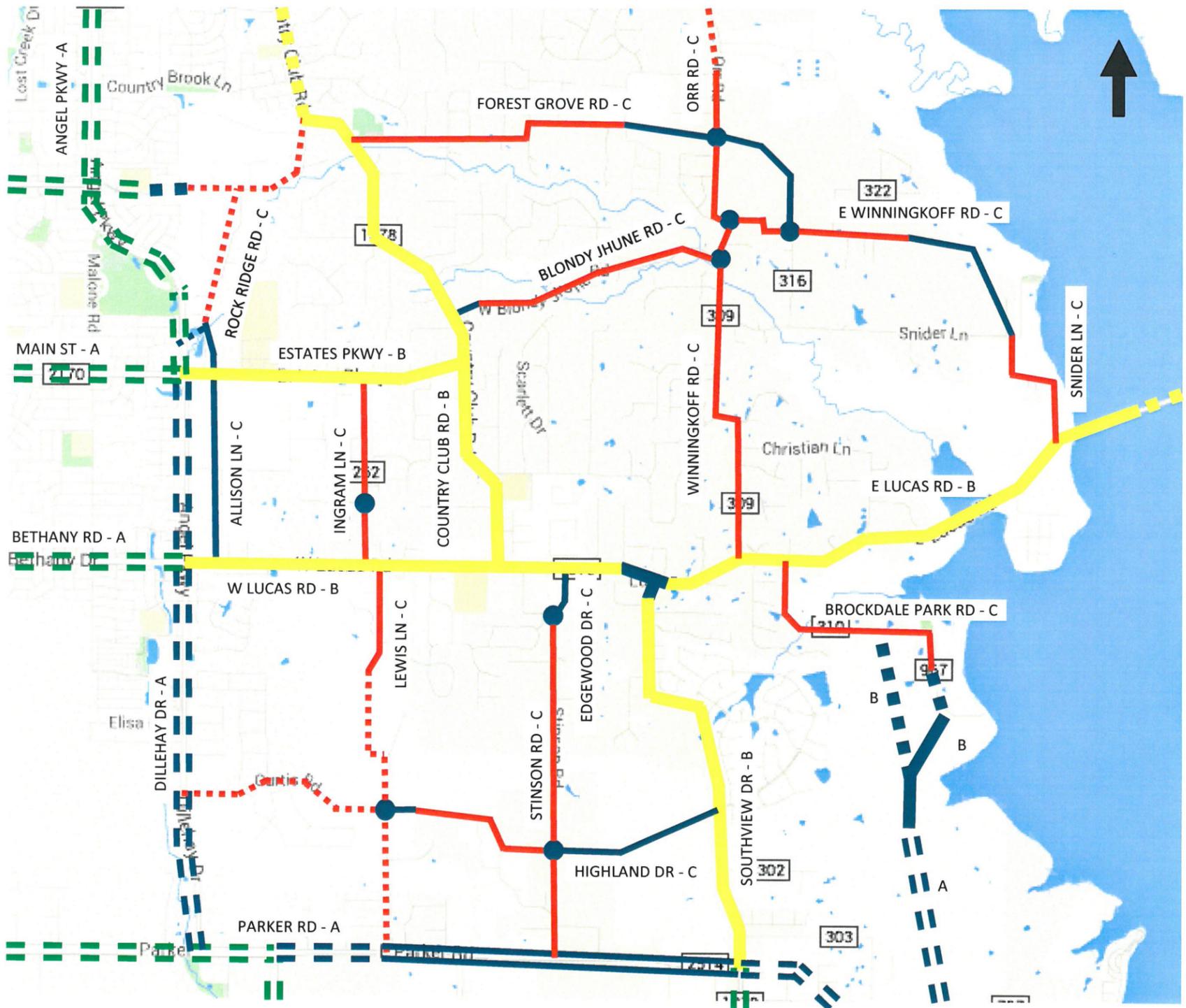
Recommendation:

Plan for a town hall style meeting on Thursday, January 26, 2017. Staff also recommends the City Council consider a transportation citizen survey to obtain additional input from Lucas citizens.

Motion:

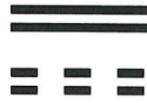
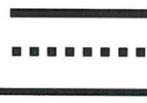
I make a motion to have a town hall style meeting to discuss transportation issues impacting the City of Lucas on _____.

2014 Master Thoroughfare Plan (Figure 10.2.1)



Legend

- Solid lines are thoroughfares within the city.
- Dashed lines are thoroughfares outside the city.
- Blue lines are proposed thoroughfares.
- Blue dots are proposed roundabout locations.
- Thoroughfare name is followed by thoroughfare type.

Thoroughfare Type	No. of Lanes	Divided Roadway	Pavement Width (Feet)	Right-of-Way Width (Feet)
A 	Six	Yes	78 Plus a 16-Foot Median	120
B 	Four	No	64	90
C 	Two	No	34	60
D (Not Shown)	Two	No	24	50



City of Lucas
City Council Agenda Request
November 3, 2016

Item No. 12

Requester: Development Services Director Joe Hilbourn

Agenda Item:

Consider approval of a budget amendment appropriating \$5,000 for repairs to the Fire Truck Streaker for use during special events from the City's unrestricted general fund reserve and increase line item 6211-444 Founders Day Special Event Fund.

Background Information:

The City owns a 1940's fire truck named Streaker. The truck has not run in over twelve years. At least one cylinder is not functioning of the six cylinder motor that would require a rebuild or a new motor. With the Fire-Rescue Departments Tahoe having a bad transmission, Public Works can take the motor and have the transmission rebuilt and have an updated LS drive train for about \$1,000. The truck also needs a new standalone wiring harness someone in the past rigged a twelve volt alternator and regulator to a system that required a six volt generator destroying the wiring harness for the truck. The truck needs new tires due to dry rot and some miscellaneous material such as front brake pads and new kingpins in the steering system to get running and fully operational.

Citizen Summary:

The city has owned a vintage fire truck for about twelve years and have planned to get running for special events and educational opportunities at schools. With a truck in the fleet with a good motor going down we have an opportunity to get Streaker in action for a reasonable sum of \$5,000.

Attachments/Supporting Documentation:

NA

Budget/Financial Impact:

Appropriate \$5,000 from unrestricted general fund reserve to line item 6211-444 Founders Day Special Event Fund.

Recommendation:

City Staff recommends approval as presented.



City of Lucas
City Council Agenda Request
November 3, 2016

Item No. 12

Motion:

I make a motion to recommend approval/denial of a request for \$5,000 for repairs to the Fire Truck Streaker for use during special events from the City's unrestricted general fund reserve to line item 6211-444 Founders Day Special Event Fund.



City of Lucas Council Agenda Request November 3, 2016

Requester: Mayor Jim Olk

Agenda Item:

Executive Session:

No Executive Session is scheduled for this meeting.

Background Information:

NA

Citizen Summary:

The City Council may convene into a closed Executive Session per the Texas Government Code regarding items such as consulting with the City Attorney, deliberation regarding the purchase, exchange, lease or value of real property, and personnel matters.

Attachments/Supporting Documentation:

NA

Budget/Financial Impact:

NA

Recommendation:

NA

Motion:

NA