



## AGENDA

### CITY COUNCIL SPECIAL MEETING

July 28, 2022 | 6:30 PM

Council Chambers

City Hall | 665 Country Club Road, Lucas, Texas

---

*Notice is hereby given that a meeting of the Lucas City Council will be held on Thursday, July 28, 2022, beginning at 6:30 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. Pursuant to Texas Government Code 551.127, one or more members of the governing body may appear via videoconference call. The presiding officer and a quorum of the City Council will be physically present at this meeting.*

To watch the meeting live you may go to the City's live streaming link at <https://www.lucastexas.us/live-streaming-videos/>.

#### **How to Provide Input at a Meeting:**

**Speak In Person:** Request to Speak forms will be available at the meeting. Please fill out the form and give to the Interim City Secretary prior to the start of the meeting. This form will also allow a place for comments.

**Submit Written Comments:** If you are unable to attend a meeting and would like to submit written comments regarding a specific agenda item, email Interim City Secretary Kent Souriyasak at [kent@lucastexas.us](mailto:kent@lucastexas.us) by no later than 3:30 pm the day of the meeting. The email must contain the person's name, address, phone number, and the agenda item(s) for which comments will be made. Any requests received after 3:30 pm will not be included at the meeting.

#### **Call to Order**

---

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

#### **Citizen Input**

---

1. Citizen Input

#### **Regular Agenda**

---

2. Consider a project update on the West Lucas Road Reconstruction Project including alternative designs and options for drainage. (**Design Engineer Christopher Meszler, BCC Engineering, Public Works Director Scott Holden, Contract Engineer Joe Grajewski, Engineering Management Analyst Patrick Hubbard**)

3. Adjournment.

**Certification**

---

*I do 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](http://www.lucastexas.us) on or before 5:00 p.m. on July 22, 2022.*

\_\_\_\_\_  
*Kent Souriyasak, Assistant to the City Manager/Interim 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 Interim City Secretary Kent Souriyasak at 972.912.1213 or by email at [kent@lucastexas.us](mailto:kent@lucastexas.us) at least 48 hours prior to the meeting.*



**City of Lucas**  
**Special City Council Agenda Request**  
**July 28, 2022**

Requester: Mayor Jim Olk

**Agenda Item Request**

---

Citizen Input

**Background Information**

---

NA

**Attachments/Supporting Documentation**

---

NA

**Budget/Financial Impact**

---

NA

**Recommendation**

---

NA

**Motion**

---

NA



# City of Lucas

## Special City Council Agenda Request

### July 28, 2022

Item No. 02

Requester: Design Engineer Christopher Meszler, PE, BCC Engineering, LLC  
Public Works Director Scott Holden, PE  
Contract Engineer Joe Grajewski, PE  
Engineering Management Analyst Patrick Hubbard

#### **Agenda Item Request**

---

Consider a project update on the West Lucas Road Reconstruction Project including alternative designs and options for drainage.

#### **Background Information**

---

During the May 19, 2022 City Council meeting, Chris Meszler with BCC Engineering discussed alternative designs for drainage on the West Lucas Road project with the City Council. Changes to the plan included moving drainage from the Walmart detention pond to the open channels on the north and south sides of West Lucas Road. BCC Engineering presented and City Council discussed various design alternatives for moving drainage to the north side of West Lucas Road including what that would entail, and funds needed for each proposed alternative.

The City Council discussed alternatives presented, conflicts with North Texas Municipal Water District utilities, and possible easements that would have to be obtained.

The City Council was in agreement that additional time was needed to study the alternatives, consider other options for drainage, and to hold a special meeting on July 28, 2022, to discuss the West Lucas Road project further.

#### **Attachments/Supporting Documentation**

---

1. Information provided at the May 19, 2022 City Council meeting regarding the West Lucas Road Reconstruction Project

#### **Budget/Financial Impact**

---

In April 2022, the updated total estimated project cost provided by BCC was increased to \$13,906,701, resulting in a shortfall of \$1,356,701.

#### **Recommendations**

---

Chris Meszler, PE of BCC Engineering will present and discuss design alternatives for City Council consideration.

#### **Motion**

---

I make a motion to...

# **ATTACHMENTS**

Information provided at the  
May 19, 2022 City Council meeting  
regarding the  
West Lucas Road Reconstruction Project



# City of Lucas

## City Council Agenda Request

### May 19, 2022

Item No. 06

Requester: Design Engineer Christopher Meszler, PE, BCC Engineering, LLC  
Public Works Director Scott Holden, PE  
Contract Engineer Joe Grajewski, PE  
Engineering Management Analyst Patrick Hubbard

#### Agenda Item Request

---

Consider the West Lucas Road Reconstruction Project and provide direction to the City Manager.

#### Background Information

---

The City of Lucas obtained the services of BCC Engineering for the West Lucas Road Reconstruction Project to transform West Lucas Road (from Angel Parkway to Country Club Road) into a four-lane divided roadway. Drainage is an important feature of this project and BCC Engineering presented a design element to divert some of the drainage from the north side (near the west end of the project) to the south. The City of Lucas, in partnership with BCC Engineering, evaluated the use of a drainage easement on the south side and with the assistance of the City Attorney, it was determined that access to this drainage easement may be challenging. The functionality of the drainage system associated with this project is a priority.

This agenda item provides City Council with an opportunity to publicly discuss design alternatives with the engineering team to address not only the drainage associated with this project but any other potential conflicts such as the relocation of utilities to find resolution. This approach will help to minimize delays in the construction phase.

A summary of utility relocations is provided in the attachment titled "West Lucas Road Utility Relocation Summary." Included in the Preliminary Cost Estimate dated April 11, 2022, are the following utility costs:

Miscellaneous Water Category	\$60,825
12-inch Water Line (Contingency Category)	\$86,400
Parker Force Main	\$59,400 (may be up to \$130,750)

Engineering staff have coordinated with BCC Engineering to develop potential design alternatives to potentially eliminate the use of the drainage easements on the south side of West Lucas Road adjacent to Parker. The goal of this analysis is to determine what alternatives are available, the impact of possible alternatives and the probable cost of each alternative. This information will be provided by BCC Engineering during the City Council Meeting. BCC has assessed the following alternatives:



Item No. 06

**City of Lucas**  
**City Council Agenda Request**  
**May 19, 2022**

1. **Construct Plans as Designed** - Discharge the Wal-Mart detention pond on the south side of the road in a proposed open channel utilizing the existing drainage easement. Staff and the City Attorney have previously discussed with the Council the challenges involved with this option.
2. **Realign Outfall from Wal-Mart Lucas Addition on the North Side** - Discharge the Wal-Mart detention pond into the proposed open channel on the north side of the road. This would revise the current design to provide for a larger (wider) open channel on the north side required to convey the additional flow from Wal-Mart.
3. **Closed Drainage System with Curb and Gutter Throughout the Project** - Redesign the drainage collection for the entire length of the project (from Angel Parkway to Country Club Road) to be collected with a curb and gutter system into curb inlets and conveyed via underground storm sewers. This would include stormwater discharge from the Wal-Mart detention pond. Discharge from the detention pond in Parker Lake Estates would continue to be conveyed via an open channel on the south side of West Lucas Road to Muddy Creek.
4. **Pipe Wal-Mart Detention Pond Outflow Directly to Muddy Creek** - Redesign the drainage collection from the outfall of the Wal-Mart detention pond to Muddy Creek, on the north side of the road only (westbound lanes), to be collected with a curb and gutter system into curb inlets and conveyed via underground storm sewers. The discharge from the Wal-Mart detention pond would also be conveyed within this proposed storm sewer. The proposed open channel on the north side of the road would be replaced by the underground storm sewer. Stormwater on the south side of the road (eastbound lanes) would be conveyed within a proposed open channel on the south side of the road, albeit a smaller open channel as it would not require capacity to convey flow from the Wal-Mart detention pond.
5. **Curb on the South Side from the West End of the Project to the Outfall of the Parker Lake Estates Detention Pond** - Redesign the drainage collection from Angel Parkway to Muddy Creek, on both sides of the road, to be collected with a curb and gutter system into curb inlets and conveyed via underground storm sewers. This differs from Option #4 in that stormwater on the south side of the road (eastbound lanes) would also be collected and conveyed via the proposed storm sewer system. The proposed open channels on either side of this segment of West Lucas Road would be replaced with underground storm sewers. An open channel would remain south of the right-of-way, east of Parker Lake Estates to convey the discharge from their existing detention pond to Muddy Creek.

**Attachments/Supporting Documentation**

---

1. West Lucas Road Utility Relocation Summary



# City of Lucas

## City Council Agenda Request

### May 19, 2022

Item No. 06

#### **Budget/Financial Impact**

---

In June 2019, the City of Lucas received an Engineer’s Opinion of Construction Cost for the West Lucas Road Reconstruction Project from Birkhoff, Hendricks & Carter, LLP in the amount of \$12,550,000. In December 2020, the City of Lucas entered into an Interlocal Agreement with Collin County to obtain funding in the amount of \$8,365,180 from Collin County and with the City of Lucas providing \$4,184,820 in funding. In February 2021, the city entered into a professional services agreement with BCC Engineering, LLC for the following services:

Roadway, Drainage, Environmental, Signing/Marking, Survey, Subsurface Investigation, Utility Coordination, Geotech, Post-Design	\$1,383,490
Construction Inspection Services	\$143,590
Project Management Services	\$430,770
<b>Total</b>	<b>\$1,957,850</b>

This engineering consulting work was funded through Capital Improvements account 21-8210-491-136 which had a balance of \$4,184,820. However, when BCC updated the cost estimate in April 2022, the total estimated project cost was increased to \$13,906,701, resulting in a shortfall of \$1,356,701.

	BHC	BCC (4/11/22)	Difference
Construction	10,503,000	10,932,851	(429,851)
Professional Services	852,470	1,383,490	(531,020)
Land Acquisition	826,000	826,000	0
Quality Control/Materials Testing	210,060	190,000	20,060
Construction Inspection	157,545	143,590	13,955
Project Management	0	430,770	(430,770)
<b>TOTAL</b>	<b>12,550,000*</b>	<b>13,906,701</b>	<b>(1,356,701)</b>

\*actual total \$12,549,075 (rounded to \$12,550,000)

Note: It is important to recognize that these cost figures are an opinion of probable costs and may vary from actual costs. The actual cost of the project will be determined when bids are received for the project.

The City Council may choose to earmark the remaining 2019 Certificate of Obligation General Fund balance of \$1,793,193 for the West Lucas Road Project to cover the anticipated shortfall.





**City of Lucas**  
**City Council Agenda Request**  
**May 19, 2022**

Item No. 06

**Recommendations**

---

Chris Meszler, PE of BCC Engineering will present and discuss design alternatives for City Council consideration.

**Motion**

---

I make a motion to proceed with design alternative number \_\_\_\_

ATTACHMENT

## West Lucas Road Utility Relocation Summary

Provider	Schedule	Last Communication	Coordination Status	Estimated Cost to City	Notes	Construction Impact	Cost Allocated	Location
Atmos	N/A	3/28/2022	Representative to be on-site during operations.	\$0	No Conflicts.	None	0	North Side
NTMWD	N/A	3/2/2022	Representative to be on site during operations.	\$0	No Conflicts.	None	0	Both Sides
Oncor	N/A	2/10/2022	N/A	\$0	Not within Project Limits	None	0	NWC WLR / Angel Pkwy
Charter Spectrum	Pending	4/25/2022	Conducting internal conflict review.	\$0	Conflicts not within dedicated easement.	Minimal	0	South Side
Frontier	Pending	4/21/2022	Relocation plan is complete.	\$0		Minimal	0	South Side
Coserv	Pending	4/21/2022	Relocation within Coserv easement to be City's obligation.	\$55,000	Relocation within Coserv easement may be City's obligation. Approximately 220 LF of relocations within dedicated easements.	Major impact on Phases 3 and 5	0	South Side
GCEC	Relocation Plan: Mid-May	4/27/2022	Awaiting final relocation plan. Estimated in Mid-May.	\$0		9 poles with major schedule impact at Phase 4. 4 poles with major impact on project closeout.	0	South Side
AT&T	Pending GCEC	4/26/2022	Signed and returned relocation agreement.	\$0		Minimal. Short relocation needed for Phase 5.	0	South Side (GCEC Poles)
Suddenlink	Pending GCEC	4/27/2022	Awaiting relocation agreement signature. Awaiting Final Relocation Plan from GCEC.	\$0		Minimal. Line depth varies/unknown. Roadway crossings in Phase 1, 2, 3, and 4.	0	South Side (GCEC Poles)
UPN	Pending GCEC +2 Week Notice	4/13/2022	Awaiting Final Relocation Plan from GCEC. Can mobilize with 2 weeks notice, per field meeting on 1/6/22.	\$0		Moderate. Relocation needed for Phase 1.	0	South Side (School to East) (GCEC Poles)
City of Lucas Force Main	N/A	2/22/2022	N/A	\$0	No Conflicts.	None	0	
City of Lucas Water Adjustments	WLR Schedule	2/22/2022	West Lucas Road plans complete.	\$60,825	Adjust Valve Boxes - 19 Relocate Hydrant - 7 Adjust Hydrant - 2 Relocate Meter - 9 Adjust Meter - 5 Rem. & Reloc. Hydrant - 1	Major Part of West Lucas Road project.	\$60,825	Both Sides (Mostly North Side)
City of Lucas 12" Water Line	WLR Schedule	2/22/2022	West Lucas Road plans complete.	\$86,400	Potential Conflict at Muddy Creek	Major Part of West Lucas Road project.	\$86,400	North Side (at Muddy Creek)
Parker Force Main	WLR Schedule	N/A	West Lucas Road plans complete.	\$130,750		Major. Part of West Lucas Road project.	\$59,400	South Side