

CHANGE ORDER(S) FOR Greenforest Circle Drainage Improvements

(Project Name)

Department/Division:	Development Services/Engineering	Bid No.:	N/A	NOTE 1. If individual Change Order request is ≥ \$50,000, please attach CCMR in front of Change Order request for Council approval 2. If, cumulatively, Change Orders are ≥ 25% of awarded contract amount please attach CCMR in front of Change Order request for Council approval
Vendor Name:	K- Friese & Associates, Inc.	CCMR No.:	21-155R	
Original Contract Amount:	\$1,902,976.86			
Date CCMR Approved:	12/07/21			

HISTORY OF CHANGE ORDERS

CO#	Proposed or Approved	Date CCMR Approved	CCMR#	Amount	Account Number (xxx-xxxx-xxx-xx.xx)	BRIEF Reason for Change Order Request (must fit in allotted space)	Updated Contract Amount	% Change in Contract
1	<input type="checkbox"/> Proposed <input checked="" type="checkbox"/> Approved	08/31/22		\$21,695.25	328-8934-493.69-01	Deliver a PowerPoint presentation at the Public Workshop for Willow Springs and Watercrest Rd	\$1,924,672.11	1.14%
2	<input checked="" type="checkbox"/> Proposed <input type="checkbox"/> Approved			\$77,273.68	328-8934-493.69-01	Traffic Data Collection, Illumination design and a Traffic Signal	\$2,001,945.79	5.20%
3	<input type="checkbox"/> Proposed <input type="checkbox"/> Approved						\$2,001,945.79	5.20%
4	<input type="checkbox"/> Proposed <input type="checkbox"/> Approved						\$2,001,945.79	5.20%
5	<input type="checkbox"/> Proposed <input type="checkbox"/> Approved						\$2,001,945.79	5.20%
6	<input type="checkbox"/> Proposed <input type="checkbox"/> Approved						\$2,001,945.79	5.20%
7	<input type="checkbox"/> Proposed <input type="checkbox"/> Approved						\$2,001,945.79	5.20%
8	<input type="checkbox"/> Proposed <input type="checkbox"/> Approved						\$2,001,945.79	5.20%
9	<input type="checkbox"/> Proposed <input type="checkbox"/> Approved						\$2,001,945.79	5.20%
10	<input type="checkbox"/> Proposed <input type="checkbox"/> Approved						\$2,001,945.79	5.20%

Dept. Head Signature/Date

Recommended:	Recommended:
Purchasing Manager/Date	Director of Finance/Date

Recommended:	Approved/Disapproved:
City Attorney/Date	City Manager/Date

CONTRACT AMENDMENT
No. 2
Willow Springs Road and Watercrest Road Reconstruction

This Amendment shall be made a part of the City of Killeen (Project) Professional Services Agreement. This Contract was entered into on December 7, 2021 and amended on September 23, 2022. The change in the fee structure is as follows:

JUSTIFICATION:

A Professional Services Agreement (PSA) with K Friese & Associates, Inc. (KFA) for the complete design of the Willow Springs and Watercrest Road reconstruction project in the amount of \$1,924,672.11. This Transportation project is included on the priority list of Street Reconstruction projects in the adopted Capital Improvement Plan for the current fiscal year. The staff requested KFA to address public comments received at the Public Workshop held on September 28, 2022. KFA will provide revised exhibits to change Watercrest Road from a four-lane facility to a three-lane facility; add a right turn lane at Cody Poe Road; evaluate traffic signals at Robinette and at Cody Poe Roads; add a traffic signal at Robinette Road; and add illumination throughout Watercrest and Willow Spring Roads.

Scope of Services	Phase	Present Contract	Proposed	Proposed Contract
		Amount	Amendment	Amount (Original thru Amendment)
Lump Sum fee proposed	-	\$1,902,976.86		\$1,902,976.86
Additional Services #1		\$21,695.25		
Additional Services #2	-		\$77,273.68	
Total		\$1,924,672.11	\$77,273.68	\$2,001,945.79

K Friese & Associates, Inc.

By: Thomas M. Owens, PE

Signature: 

Title: Executive Vice President

Date: 8 DEC 22

City of Killeen

By: For Kent Cagle

Signature: _____

Title: City Manager

Date: _____

Contract Amendment

ENGINEER's Services

Article 1 of the Agreement is amended and supplemented to include the following agreement of the parties. ENGINEER shall provide Basic Services as set forth below:

PART 1 – BASIC SERVICES

PHASE I – PRELIMINARY PLANS

- 3. Address Public Comments** – Provide exhibits for City Council review addressing public comments from the Public Workshop held on September 28, 2022. Comments include changing Watercrest Road from four lanes to three lanes, adding a right turn lane at Cody Poe Road, and straightening the alignment through the existing s-curve.
- 6. Existing Peak Hour Traffic Study** – DKS Associates (DKS) will conduct a traffic study of the **Willow Springs Road** corridor to produce the following elements:
 - a. Traffic data collection – DKS will obtain existing count data from the TxDOT Statewide Traffic Analysis and Reporting System (STARS II) and assess what additional traffic counts are needed.
 - i. DKS determined that traffic counts are needed on Willow Springs Road at 3 locations (Wheeler Ave, Watercrest Road, Westwood Drive); and spot speeds survey are required at 3 locations on Willow Springs Road. DKS will obtain the traffic counts and speed surveys.
 - b. DKS will perform traffic signal warrant analysis at Watercrest Road / Robinette Road and at Watercrest Road / Cody Poe Road intersections.

PHASE II – PS&E DESIGN & BID PHASE

1. Construction Plans

- a. MISCELLANEOUS PLANS – **Willow Springs Road**
 - xi. ILLUMINATION PLAN (5 Sheets)

Assumptions:

- Base files for the illumination design will be provided by others
- Lighting and load analysis along the corridor, and at the intersection of Willow Springs and Watercrest will be performed by others.
- Illumination design is assumed to have the luminaires placed on existing utility poles spaced at 600' apart. All other designs, including electrical design will be

performed by others. Proposed conduit, service panel and power source, etc... will not be shown on the plan sheets. No additional detail sheets showing circuit diagrams will be provided.

- Oncor will provide construction engineering services, including responding to submittal/RFI.
- DKS assumed up to eight (8) hours of coordination with Oncor.

b. MISCELLANEOUS PLANS - Watercrest Road

vii. TRAFFIC SIGNAL PLANS –Watercrest Road at Robinette Road

- GENERAL NOTES (Up to 5 Sheets)
- SUMMARY OF QUANTITIES (1 Sheet)
- CONDITION DIAGRAM SHEET (1 Sheet)
- TRAFFIC SIGNAL PLAN SHEET (1 Sheet)
- TRAFFIC SIGNAL DETECTION SHEET (1 Sheet)
- TRAFFIC SIGNAL DETAIL SHEETS (19 Sheets)
- TRAFFIC SIGNAL CONTROLLER PROGRAMING

viii. ILLUMINATION PLAN (5 Sheets)

Assumptions:

- Base files for the illumination design will be provided by others
- Lighting and load analysis along the corridor, and at the intersection of Willow Springs and Watercrest will be performed by others.
- Illumination design is assumed to have the luminaires placed on existing utility poles spaced at 600' apart. All other designs, including electrical design will be performed by others. Proposed conduit, service panel and power source, etc... will not be shown on the plan sheets. No additional detail sheets showing circuit diagrams will be provided.
- Oncor will provide construction engineering services, including responding to submittal/RFI.
- DKS assumed up to eight (8) hours of coordination with Oncor.

d. STORM SEWER PLAN & PROFILE SHEETS – Watercrest Road - No additional scope or fee. Fixing error on Fee Summary table to reflect detail tab.

HAWK SIGNAL PLANS (No longer required, removed from Engineer's Scope)

- i. GENERAL NOTES (Up to 4 Sheets)
- ii. SUMMARY OF QUANTITIES (1 Sheet)
- iii. CONDITION DIAGRAM SHEET (1 Sheet)
- iv. HAWK SIGNAL PLAN SHEET – WATERCREST DR (1 Sheet)
- v. HAWK SIGNAL DETAIL SHEETS (Up to 19 Sheets)

ROW MAPPING (No longer required on Watercrest Road, removed from Engineer's Scope)

PHASE III – CONSTRUCTION PHASE SERVICES

1. Construction Phase Services – KFA will assist the City of Killeen with contract administration during the construction phase of the project. We understand the City of Killeen will provide required construction inspection services and have assumed that the construction duration will be approximately sixteen (16) months for **Willow Springs Road** and twenty (20) months for **Watercrest Road**. Services related to the traffic signals and illumination will include:
 - a. Progress Meetings and Site Visits – DKS will visit the site and conduct construction meetings approximately once a month and as needed when construction is in progress to verify that the work is generally in conformance with the plans and specifications. For budgeting purposes, DKS has assumed six (6) meetings/field visits on **Watercrest Road** and two (2) additional meetings/field visits on **Willow Springs Road** for a total of eight (8).
 - b. Submittal Review –For budgeting purposes, DKS has assumed four (4) submittal reviews on **Watercrest Road** and two (2) additional submittal reviews on **Willow Springs Road** for a total of six (6). Illumination submittals will be reviewed by others.
 - c. Requests for Information (RFIs) – KFA will provide answers to requests for information (RFI's) from Contractor as related to possible conflicts and clarifications needed between plans and specifications. For budgeting purposes, DKS has assumed four (4) RFIs on **Watercrest Road** and four (2) additional RFIs on **Willow Springs Road** for a total of six (6). Illumination RFIs will be answered by others.
 - d. Preparation of Change Orders. KFA will provide answers, sheet revisions, and revisions to anticipated construction costs for Change Order requests from the City. Eight (8) change orders (not due to errors & omissions) have been assumed for DKS.
 - e. Record Drawings. KFA and DKS will use the Contractor's redline as-built drawings to document as-built conditions in the final record drawings. KFA will supply the City of Killeen with one set of reproducible record drawings and provide one set of record drawings in .pdf format.