

November 9, 2022

CITY OF KYLE – GENERAL ENGINEERING SERVICES

**PAPE-DAWSON ENGINEERS
TASK ORDER NO. 04
PROFESSIONAL SERVICES AGREEMENT BETWEEN THE CITY OF KYLE
AND
PAPE-DAWSON ENGINEERS, INC.
DATED 9 NOVEMBER 2022**

OVERVIEW:

Pape-Dawson will engineer chlorine injection and monitoring modifications to two (2) of the City's water facilities as described below. Pape-Dawson will prepare construction documents and technical specifications for the proposed improvements. The scope of services to include engineering design, bidding, and construction phase services.

TASK 1 - PROJECT MANAGEMENT (TASK 501)

- A. Coordination with City Staff and Guadalupe River Authority (GBRA).
- B. Provide the following:
 - a. Monthly Invoices
 - b. Subconsultant Coordination
- C. Attend two (2) meetings with City.

TASK 2 - ENGINEERING DESIGN (CHLORINE MANAGEMENT AND MONITORING) (TASK 290)

A. Yarrington Facility

The Engineering design will consist of modifying the chlorine injection point from the tanks' overflow/drain line to chlorine injection at tank fill line and installing a new city owned and monitored flow meter before the existing Cla-Val. Chlorine injection/dosage should be based on flow, sending signal to PLC for chlorine dosage. Chlorine monitoring will be before chlorine injection and at the tank's suction line, between tank and high service pump station.

- 1) Review record drawings for Yarrington Facility.
- 2) Engineer construction drawings from record drawings and site photographs. PDF construction documents will be generated from record drawings, no survey work is included in this scope of services.
- 3) Engineer technical specifications for chlorine injection equipment and meter.
- 4) Generate Engineer's Construction Cost Estimate.
- 5) Submit construction documents to City Staff for review and address comments for 50% and 90% milestone submittals only.

- 6) Submit plans and specifications to TCEQ.
- 7) Generate construction documents/package for bidding.

B. Lehman Facility

The Engineering design will consist of modifying the chlorine injection point from the tank's stub-out line to chlorine injection at tank fill line after the existing flow meter. Chlorine injection/dosage should be based on flow. Chlorine monitoring will be before chlorine injection, after meter, and at the tank's suction line, between tank and high service pump station.

- 1) Review record drawings for Lehman Facility.
- 2) Engineer construction drawings from record drawings and site photographs. PDF construction documents will be generated from record drawings, no survey work is included in this scope of services.
- 3) Engineer technical specifications for chlorine injection equipment.
- 4) Generate Engineer's Construction Cost Estimate.
- 5) Submit construction documents to City Staff for review and address comments for 50% and 90% milestone submittals only.
- 6) Submit plans and specifications to TCEQ for review and approval.
- 7) Generate construction documents/package for bidding.

TASK 3 - BIDDING PHASE SERVICES (TASK 401)

This task assumes the Yarrington and Lehman facilities will be packaged into one (1) plan set and bid as one (1) construction package/contract.

- A. Assist City with Project Advertisement, distribute construction documents to prospective bidders, and maintain bidders' log.
- B. Coordinate and lead project's pre-bid meeting.
- C. Respond to Contractor's project questions and issue Addenda if necessary.
- D. Generate Bid Tabulation, review bidder's documents and check references.
- E. Issue Engineer's recommendation.

TASK 4 - CONSTRUCTION PHASE SERVICES (TASK 402)

This task assumes the Yarrington and Lehman facilities will be constructed in one (1) construction package/contract.

- A. Participate in three (3) site visits during construction; preconstruction meeting, substantial completion, and a third site visit at the discretion of the city.
- B. Submittal Review and Responding to Contractor's Requests for Information (RFIs).
- C. Start up and Commissioning of improvements.
- D. Generate Record Drawings.

TASK 5 - SUBCONSULTANT EXPENSES (TASK 504)

A. Electrical Engineering

Electrical Engineering services will consist of providing power to new equipment.

Note: *Per the existing contract no mark up on Subconsultant Expenses.*

TASK 6 DIRECT EXPENSES (REIMBURSABLE EXPENSES) (TASK 503)

- Direct Expenses include reproduction, travel, express mail, special deliveries and subcontractor expenses related to these services.

Note: *Per the existing contract no mark up on Direct Expenses.*

LIST OF DELIVERABLES:

- Construction Documents – Construction Plans and Technical Specifications.

ASSUMPTIONS:

- ◆ No permitting services, outside of TCEQ, are included nor anticipated.
- ◆ City of Kyle will provide Record Drawings for above mentioned facilities.
- ◆ This scope and fee does not include any survey services.
- ◆ No subconsultants anticipated except for electrical engineering.
- ◆ Chlorine injection and monitoring improvements will be designed to resemble improvements at the City's Anthem/Hoover Drive location.

SUMMARY OF SCOPE AND FEES

Task 1.	Project Management	Task 501	Lump Sum	\$4,300
Task 2.	Engineering Design	Task 290		
	A. Yarrington Facility		Lump Sum	\$21,200
	B. Lehman Facility		Lump Sum	\$15,200
Task 3.	Bidding Phase	Task 401	Lump Sum	\$4,000
Task 4.	Construction Phase	Task 402	Lump Sum	\$12,100
Task 5.	Subconsultant Expenses	Task 504	Lump Sum	\$8,000
Task 6.	Reimbursable Expenses	Task 503	Allowance (Not to Exceed)	\$300
TOTAL:				\$65,100

The Effective Date of this Task Order is _____, 2022.

OWNER:
CITY OF KYLE

By:

Print

Name: Travis Mitchell

Title: Mayor

ENGINEER:
Pape-Dawson Engineers, Inc.

By:



Print

Name: Francisco Guerrero, P.E.

Title: Vice President

Engineer License or Firm's

Certificate No. (if required): #470

State of: Texas

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

ATTEST:

Jennifer Holm, City Secretary

Address: 100 W. Center Street., Kyle, Texas 78640

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Francisco Guerrero, P.E.

Title: Vice President

Address: 10801 N. MoPac Expwy., Bldg 3, Ste 200
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