TASK ORDER NO. 4

OWNER OF DRIPPING SPRINGS
(OWNER)

AND

CAROLLO ENGINEERS, INC.
(ENGINEER)

This Task Order is issued by the OWNER and accepted by ENGINEER pursuant to the mutual promises, covenants and conditions contained in the Agreement between the above named parties dated the 16th day of April, 2019, in connection with:

City of Dripping Springs
South Regional Water Reclamation Facility
Planning, Design, Bid, and Construction
(Project)

1.0 BACKGROUND

The City of Dripping Springs has retained Carollo Engineers, Inc. to provide professional engineering services for planning, design, bid and construction phase services related to the South Regional Water Reclamation Facility (WRF) Project at the City of Dripping Springs' existing Wastewater Treatment Facility. The new WRF, when complete, will consist of two treatment trains that achieve biological nutrient removal (BNR), with tertiary filtration and chemical polishing for additional phosphorus removal, and ultraviolet (UV) disinfection.

2.0 PURPOSE

The purpose of this Task Order No. 4 is to establish scope and budget for the Final Design Phase updates, Bid Phase services, Engineering Services During Construction (ESDC) for the Construction Phase, and Post-construction Phase of the South Regional Water Reclamation Facility Expansion. The project scope elements are described in detail in Section 4.0.

3.0 PROJECT ELEMENTS

The scope of services presented herein is based on a project that consists of the major elements summarized below:

1. Site Work, including general paving and grading improvements, and yard piping
2. Headworks consisting of bar screens,
3. Influent Lift Station (structural & mechanical design by others)
4. Secondary treatment with Biological Nutrient Removal (BNR) and one clarifier
5. Packaged Tertiary Filters
6. UV Disinfection
7. Chlorine Gas Disinfection

8. Solids storage and thickening in sludge boxes
9. Odor Control for Headworks and influent lift station
10. Plant Electrical and Controls

4.0 SCOPE OF SERVICES

TASK 100 PROJECT MANAGEMENT

Task 101 – Project Management, Planning, Scheduling and Reporting

This task includes routine office services for project and budget tracking and invoicing at 4 hours per month for 28 months. Meetings are included as part of Task 102 for Final Design Phase updates and 800 for Construction Phase Services.

Task 102 – Project Meetings

This task includes preparation for and participation in bi-weekly meetings to discuss project progress over 5 months. The meetings will be attended by CSM, PM, Process Engineer and EIT.

Deliverables:

a. Agendas, meeting minutes, action, and decision log updates.

Task 103 – Deliverable Review Workshop

The ENGINEER will participate in one (1) review workshop with the OWNER. The workshop will be attended by CSM, PM, Process Engineer and EIT.

Deliverables:

a. Agendas, meeting minutes, action, and decision log updates.

b. Summary of major design decisions and process parameters for each process area.

TASK 200 QUALITY MANAGEMENT

ENGINEER will perform quality management activities including on-going discipline coordination, technical review, document review, quality assurance/quality control activities, checking, and activities.

TASK 300 SUBCONSULTANT SERVICES

Task 301 - Electrical Engineering

ENGINEER has retained the services of SKE Engineering, Inc. to oversee the design and construction of electrical engineering, instrumentation and controls, and SCADA system elements for this Phase I of the Regional Water Reclamation Facility Project. SKE design services under this subcontract include:

Headworks revisions

- Chlorine Gas System
- SCADA design and coordination with Streametric for the new BNRV WWTP
- Design review and final coordination of the original project
- One set of reproducible plans and specifications in pdf format

SKE bid phase services under this subcontract include:

- Headworks revisions
- Attend a pre-bid meeting
- RFIs
- Addenda
- Evaluate bids if requested

Construction Phase services are excluded under this proposal. Additional exclusions include:

- Value Engineering if the project is over budget
- Construction Phase
- TCEQ Permitting
- Plumbing design
- Civil design
- Structural Design
- Architectural Design
- Environmental Design
- Geotechnical Design
- Training
- 3rd Party Testing
- Plant start-up and commissioning

TASK 400 PRELIMINARY DESIGN

Reserved.

TASK 500 FINAL DESIGN

Submittal of Plans and Specifications

Bid Set Submittal – The ENGINEER will prepare and submit plans and specifications for the purpose of bidding. The Bid Set Submittal will include all plans, technical specifications, and any update of the opinion of probable construction cost necessary. The Bid Set Submittal will demonstrate complete readiness to proceed to construction.

This final design task includes update of structural, civil, mechanical, and, as necessary, architectural components of the design of the project elements listed in Section 3.0. Given the passage of time between the completion of final design and bidding, updating the final design is recommended. Additional scope items were included to accommodate the continual operation of the TLAP plant and other OWNER's requests. The

additional budget requested under this Task Order No. 4 will be tracked under the following tasks and is based on additional design efforts to update the final design for bidding:

Task 501 - Headworks and Flow Split Final Design

ENGINEER will coordinate with B&N to update plans and specifications for the headworks. The continual operation of the TLAP plant will require splitting flow from the influent lift station forcemain. This work was not included in the original scope and would require an additional evaluation of headworks under the new plant flows. The ENGINEER will modify plans as needed to accommodate the deeper influent pipe and provide plans and specifications for the required influent pipe to the TLAP plant. The ENGINEER will update plans and specifications as needed for any changes to vendor-provided equipment.

Task 502 - Secondary Process Final Design

The ENGINEER will review and update Secondary Process Design plans and specifications as needed for any changes to vendor-provided equipment.

Task 503 - Tertiary Filtration Final Design

The ENGINEER will update plans and specifications as needed for any changes to vendor-provided equipment.

Task 504 - UV Disinfection Final Design

The ENGINEER will update plans and specifications as needed for any changes related to vendor-provided equipment.

504.1 – Detailed Design for Chlorine Gas Disinfection

ENGINEER will develop plans and specifications for the new Chlorine Gas Disinfection system and update treated effluent piping on drawings to reflect field modifications that have taken place. Due to the required time for design completion, the Chlorine Gas Disinfection System design will not be part of the Bid Set Submittal and will be delivered separately for a future change order.

Task 505 - Solids Handling Design

ENGINEER will develop plans and specifications for new sludge piping to allow the use of the new sludge boxes for the existing TLAP plant. The ENGINEER will update plans and specifications as needed for any changes related to vendor-provided equipment.

Task 506 - Odor Control Design

The ENGINEER will evaluate the odor control design to account for increased flows and other headwork updates according to Task 501. ENGINEER will update plans and specifications as needed for any changes related to vendor-provided equipment.

Task 507 - Opinion of Probable Construction Cost

The ENGINEER will prepare an opinion of construction cost updated at the Final Design submittal. This will be considered the "Fixed Construction Budget" designated by the OWNER. Issue to OWNER along with Bid ready Contract Documents. Cost opinion will be a Class 1 Estimate as defined by the American Association of Cost Engineers (AACE). ENGINEER has no control over the cost of labor, materials, equipment, or services furnished by others, or over Contractor's methods of determining prices, or other competitive bidding or market conditions, practices, or bidding strategies. Cost estimates are based on experience and judgment. ENGINEER cannot and does not guarantee that proposals, bids, or actual project construction costs will not vary from cost estimates prepared by the ENGINEER.

Deliverables:

a. Opinion of probable construction cost at Final submittal.

Task 508 – TCEQ Submittals

Bid ready contract documents will be submitted to TCEQ if required to complete TCEQ review.

Task 509 – Electrical, Instrumentation, and Controls Review

ENGINEER will review Subconsultant EI&C drawings and specifications.

Task 510 – Update of Typical Details

ENGINEER will update Typical Details for the purpose of bidding given the time that has passed since Final Design. ENGINEER will check that Typical Details capture major updates that have been made to Master Typical Details in the interim. This will reduce construction RFIs and change orders.

Task 508 – Update of Specifications

ENGINEER will update specifications for the purpose of bidding given the time that has passed since Final Design. ENGINEER will check that key specifications capture major updates that have been made to Master Specifications in the interim. This will reduce construction RFIs and change orders.

Technical Specifications will be prepared in Construction Specification Institute (CSI) format using the Engineers Joint Contract Documents Committee (EJCDC) Specifications. ENGINEER will prepare the Technical Specifications to support the necessary improvements detailed in the project elements.

Contract documents will be prepared based on one set of bid documents for the entire project. It is assumed that this project will be procured under a conventional design-bid-build (DBB) approach.

TASK 600 PERMITTING AND AGENCY COORDINATION (RESERVED)

It is assumed that all permitting and agency coordination for this project will be performed by others.

TASK 700 BID PHASE SERVICES

Bid phase services cover the bid period of the Project. Bid phase budget assumes a level of effort from OWNER and the General Contractor based on the ENGINEER's experience.

Task 701 - Pre-bid Meeting

ENGINEER will prepare an agenda and assist OWNER Purchasing Office to conduct a Prebid Conference. The notice for the Prebid Conference will be included in the Contract Documents. ENGINEER's design and construction staff will attend the Prebid Conference and will prepare minutes of the meeting. The meeting minutes will be forwarded to the OWNER for review and will be distributed to all parties on the Plan Holders List.

Deliverables:

a. Pre-bid meeting agenda, minutes, list of attendees.

Task 702 -Respond to Bidder Inquiries

ENGINEER will assist the OWNER Purchasing Office to answer questions and provide support to the OWNER during the Bid Period. All questions will be documented and answered in writing on a standard Project Information Request Form. These forms will be forwarded to the OWNER for review and all parties on the Plan Holders List.

Deliverables:

a. Documentation of bidder inquiries and responses for bid period.

Task 703 - Prepare Addenda

ENGINEER will prepare Addenda required for technical clarification, and submit to OWNER to issue Addenda to all parties on the Plan Holders List. Up to three addenda will be prepared for the bid package.

Deliverables:

a. Addenda.

Task 704 - Bid Evaluations

ENGINEER will review bid responses and will prepare a written evaluation and recommendation for award. As a minimum, the review shall examine previous project history (client references provided with bid) and proposed staff.

Deliverables:

a. Letter documenting Engineer's assessment of qualifications of bidders.

TASK 800 CONSTRUCTION PHASE SERVICES

Effort to be included in Task Order No. 5.

TASK 900 SPECIAL SERVICES

Effort to be included in Task Order No. 5.

5.0 ASSUMPTIONS AND OWNER RESPONSIBILITIES

The Assumptions and Owner Responsibilities from Task Order No. 1, 2 and 3 under this contract are incorporated herein by reference.

6.0 TIME OF PERFORMANCE

The additional design work contained within this Task Order No. 4 is expected to last 5 months.

The Construction, Post-construction Phase services, and Special Services will be included in Task order No. 5.

7.0 BUDGET

OWNER and ENGINEER have established a not-to-exceed budget of $775,425 to complete all services under this Task Order No. 4. This amount will not be exceeded without a contract amendment.

OWNER will pay the ENGINEER on a lump sum basis for services identified in this Task Order No. 4. The budget for the updated tasks broken down by subtask, are presented in Exhibit A. OWNER and ENGINEER agree to allow redistribution of funds between Tasks 100 through 900 as appropriate to allow flexibility in providing the needed services within the not-to-exceed budget.

ENGINEER agrees to complete these services for this amount unless the Budget is amended by OWNER and ENGINEER as a result of additional changes to the Scope of Work or Time of Performance.

8.0 EFFECTIVE DATE

This Task Order No. 4 is effective as of the _____ day of _____, 2025.

IN WITNESS WHEREOF, duly authorized representatives of the OWNER and of the ENGINEER have executed this Task Order No. 4 evidencing its issuance by OWNER and acceptance by ENGINEER.

CAROLLO ENGINEERS, INC.

Accepted this _____ day of _____, 2025

By: _____
Eva Steinle-Darling, PhD, PE
Vice President

By: _____
Meera Victor, PE
Senior Vice President

CITY OF DRIPPING SPRINGS

By: _____
Officer

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