TASK ORDER NO. 03

Design Services - 100% Design for the Main Substation Control House Protection and Control Upgrade

THIS TASK ORDER ("Task Order") is made on the 2nd day of April, 2020, between the **City of Lake Worth Beach,** a Florida municipal corporation located at 7 North Dixie Highway, Lake Worth, Florida 33460 ("City") and **TEAMWORKnet, Inc,** a Florida corporation ("Consultant").

1.0 Project Description:

The City desires the Consultant to provide those services as identified herein and generally described as: **Main Substation control house for protection and control upgrade 100% design** (the "Project"). The Project is described in the consultant's proposal, dated March 18th, 2020, and is attached hereto as Exhibit "1" and incorporated herein.

2.0 Scope

Under this Task Order, the Consultant will provide professional services to the City as detailed in the **Consultant's proposal attached hereto and incorporated herein as Exhibit "1".**

3.0 Schedule

The services to be provided under this Task Order shall be completed within **180** calendar days from the City's approval of this Task Order or the issuance of a Notice to Proceed.

4.0 Compensation

This Task Order is issued for a lump sum, not to exceed amount, of **$230,500.00.** The attached proposal identifies all costs and expenses anticipated in the time and expense, not to exceed amount.

5.0 Project Manager

The Project Manager for the Consultant is Robert Farkas, P.E., phone: 813-951-6288; email: rfarkas@teamworknet.com ; and, the Project Manager for the City is George Guirguis, P.E., phone: 561-586-1792; email: GGuirguis@LakeWorthbeachfl.gov .

6.0 Progress Meetings

The Consultant shall schedule periodic progress review meetings with the City Project Manager as necessary but every 30 days as a minimum.

7.0 Authorization

This Task Order is issued in compliance with the Consultants' Competition Negotiation Act, section 287.055, Florida Statutes, and pursuant to the Agreement for Professional Services between the City of Lake Worth and the Consultant, dated **March 11th, 2020** ("Agreement" hereafter). If there are any conflicts between the terms and conditions of this Task Order and the Agreement, the terms and conditions of the Agreement shall prevail; however, the specific scope of services set forth in this Task Order shall take precedence over any other more general description of services.

IN WITNESS WHEREOF the parties hereto have made and executed this Work Order No. 3 on the day and year first above written.

CITY OF LAKE WORTH BEACH, FLORIDA

ATTEST:

By: _____
Deborah M. Andrea, City Clerk

By: _____ City MANAGER FOR
Pam Triolo, Mayor

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

By: _____ FOR
Glen J. Torcivia, City Attorney

APPROVED FOR FINANCIAL SUFFICIENCY

By: _____
Bruce T. Miller, Financial Services Director

CONTRACTOR: TEAMWORKnet

By: _____

[Corporate Seal]

Print Name: Paul D. Gates

Title: Chief Executive Officer

STATE OF FLORIDA)
COUNTY OF POLK)

The foregoing instrument was acknowledged before me this 23 day of March, 2020, by Paul D. Gates, who was physically present, as Chief Executive Officer (title), of TEAMWORKnet, Inc., which is authorized to do business in the State of Florida, and who is **personally known** to me or who has produced the following __ as identification.

Notary Public

_____
Print Name: Darlene E. Sommars

DARLENE E. SOMMARS
Notary Public - State of Florida
Commission # GG 299534
My Comm. Expires Apr 9, 2023
Bonded through National Notary Assn.

My commission expires: Apr 9, 2023

EXHIBIT "1"

TEAMWORKnet
REGISTERED PROFESSIONAL ENGINEERS

1977 – 2020 OVER 40 YEARS OF EXCELLENCE TEAMWORKnet

TEAMWORKnet, Inc.
6550 New Tampa Hwy/Ste B
Lakeland, FL 33815
Office 863-327-1080
Fax 863-327-1091
www.teamworknet.com

March 18, 2020

George Guirguis, P.E.
Transmission & Substation Manager
City of Lake Worth Beach
1900 2nd Ave North
Lake Worth, FL 33461

PROPOSAL & QUOTATION: Main Substation Control House – 100% Design

Dear Mr. Guirguis:

TEAMWORKnet, Inc. (TWN) is pleased to provide the City of Lake Worth Utilities (CLWU) this Proposal and Quotation (PAQ) for Professional Engineering Services associated with a 100% Design package for the Main Substation Control House Upgrade.

This work is to be performed per TEAMWORKnet's Continuing Contract for Professional Services (# 18-303). Our proposal includes the following scope of work:

SCOPE OF WORK:

1. Provide an electrical design package for the Main Substation Control House, inclusive of the following:
   a. Drawings inclusive of electrical, trench, cable tray, and conduit for control and AC/DC power between exterior equipment and internal control building equipment
   b. Protection, Control, AC and DC point to point drawings
   c. AC/DC elementary drawings
   d. Routing diagrams for associated conduit, cable tray and cable trench
   e. Cable tray and trench detail inclusive of grounding plan
   f. Cable, Cable tray & Conduit schedules
   g. Control House Design and Specifications
   h. DC System Design and Specifications
   i. Station Service and AC Power Distribution Design
   j. Contractor Scope of Work
   k. Protective Relay Panel Elevations
   l. Demolition Drawings
   m. Bill-of-Materials Required per Design
   n. Final General Arrangement Drawings

2. Provide a structural design package for the Main Substation Control House foundation, inclusive of the following scope of services:
   a. Provide soil report in area of new control house for design basis of the foundations.
   b. Design drilled caisson foundation based on soil report findings and building design/weight.
   c. Provide detail drawings of the drilled caissons and plan location.
   d. Provide concrete ramp/pad outside double doors if required based on finish height of the building floor.
   e. Sign/sealed drawings if required by City of Lake Worth.
3. Provide schematic and wiring drawings for existing 138kV circuit breakers; 138B2001, 138B2002, 138B2003, 138B2004, 138B2005, 138B2006, 138B2007.
4. Provide schematic and wiring drawings for existing 26kV circuit breakers; 26B1E01, 26B1E02, 26B1E03, 26B1E06, 26B1E07, 26B1E08, 26B1E09, 26B1E10, 26B1E12, 26B1E14, 26V1E19, 26B1W05, 26B1W11, 26B1W13, 26B1W15, 26B1W16, 26B1W17, 26B1W20.
5. Protection design shall be based on Schweitzer (SEL) Relays.
6. Provide project review including one (1) on-site 50% design review meeting, one (1) on-site 90% design review meeting, and one (1) on-site 100% design review meeting.
7. Provide all drawings in AutoCAD format.

Based on the above scope, our Professional Engineering Service Fee is.....$230,500.00

EXCLUSIONS:

1. Relay Settings
2. Field Commissioning Services
3. Construction materials and labor
4. Purchase of equipment and/or software
5. SCADA connectivity
6. Project Management of Subcontractors
7. Power System Modeling and Analysis

TERMS AND CONDITIONS:

1. No new electrical equipment, computer software, material or construction labor is included, except as noted above.
2. Expenses are included.
3. No taxes, work permit fees or licensing fees are included in our proposal.
4. This work will be done on a Not-To-Exceed (NTE) without prior written authorization basis.
5. This work will be performed Monday through Friday 8 a.m. to 6 p.m. If weekend or night shift work is required, TWN will provide modified rates.
6. Due to the nature of work performed at a customer's site, TWN crews reserve the right to delay work on electrical distribution equipment for reasons including, but not limited to, inclement weather, natural disaster/acts of God, any matter beyond TWN's control, any situation that violates TWN's Safety Policy, and/or unprepared or unavailable work areas. Delays in accomplishing work at a customer's site, not caused by TWN, will be brought to your immediate attention, assessed, and with authorization, TWN's On-Site rates will be charged for said delays.
7. No work shall commence until a Purchase Order (P.O.) is received by TWN. P.O.'s can be faxed to (863) 327-1091.
8. Billing will be monthly based on percentage of work completed.
9. Terms are net thirty (30) days.
10. This proposal and quotation shall remain valid for ninety (90) days.

We look forward to working with you on this project. Please feel free to call if you have any questions or require additional information.

Respectfully submitted,

Robert Farkas, P.E.

Robert "Bo" Farkas, P.E.
VP – East Coast
Engineering & Operations

REF:sab