TASK ORDER No. 6

CONTINUING PROFESSIONAL SERVICES
(Energy Management & Engineering Services)

THIS TASK ORDER FOR CONTINUING PROFESSIONAL SERVICES ("Task Order") is made on the day of _____, between the **City of Lake Worth Beach**, a Florida municipal corporation ("City") and **Teamworknet, Inc.,** a Florida CORPORATION ("CONSULTANT").

1.0 Project Description:

The City desires the CONSULTANT to provide those services as identified herein for the Project. The Project is described in the CONSULTANT's Proposal, dated August 12, 2025 and services are generally described as: Professional Engineering Services for 18th Avenue Switch Station (the "Project").

2.0 Scope

Under this Task Order, the CONSULTANT will provide the City of Lake Worth Beach Electric Utility with Energy Management & Engineering Services for the Project as specified 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 900 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 551,425. The attached proposal identifies all costs and expenses included in the lump sum, 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 Warner Patterson, phone: 561-586-1792; email:wpatterson@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 Compliance with section 787.06, Florida Statutes.

By signing this Task Order before a notary public and taking an oath under the penalty of perjury, the CONSULTANT attests and warrants that the CONSULTANT does not use coercion for labor or services as defined in section 787.06, Florida Statutes (2024).

8.0 Authorization

This Task Order is issued pursuant to the Continuing Professional Services Agreement (Energy Management & Engineering Services) based on RFQ#23-300 between the City of Lake Worth Beach and the CONSULTANT, dated April 12, 2023 ("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.

IN WITNESS WHEREOF, the parties hereto have made and executed this Task Order No. 6 as of the day and year set forth above.

CITY OF LAKE WORTH BEACH, FLORIDA

By: _____
Betty Resch, Mayor

ATTEST:

By: _____
Melissa Ann Coyne, MMC, City Clerk

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

By: _____
Glen J. Torcivia, City Attorney

APPROVED FOR FINANCIAL SUFFICIENCY

By: _____
Yannick Ngendahayo, Financial Services Director

CONSULTANT: **TEAMWORKNET, INC.**

By: _____
Robert "Bo" Farkas, P.E.

[Corporate Seal]

STATE OF Florida)
COUNTY OF Polk)

THE FOREGOING instrument was acknowledged before me by means of physical presence or online notarization on this 5th day of September 2025 by Robert "Bo" Farkas P.E., as the VP-Technical Business Development [title] of **TEAMWORKNET, INC**, a Corporation authorized to do business in the State of Florida, who is personally known to me or who has produced _____ as identification, and who did take an oath under penalty of perjury that the facts stated with regard to section 787.06, Florida Statutes, are true and correct, and that he or she is duly authorized to execute the foregoing instrument and bind **TEAMWORKNET, INC.** to the same.

Notary Seal:

DARLENE E. SOMMARS
Notary Public - State of Florida
Commission # HH 353995
My Comm. Expires Apr 9, 2027
Bonded through National Notary Assn.

_____
Notary Public Signature

Exhibit "1"

(5 pages)

TEAMWORKnet
REGISTERED PROFESSIONAL ENGINEERS

1977 – 2025 OVER 45 YEARS OF EXCELLENCE TEAMWORKnet

TEAMWORKnet, Inc.
4265 New Tampa Hwy/Ste 1
Lakeland, FL 33815
Office 863-327-1080
Fax 863-327-1091
www.teamworknet.com

August 12, 2025

David Martyniuk
Assistant Director of Engineering
City of Lake Worth Beach Electric Utility
1900 2nd Ave North
Lake Worth, FL 33460

PROPOSAL AND QUOTATION: **18th Ave N Metal-Clad Switching Station Engineering Services**

Dear Mr. Martyniuk:

TEAMWORKnet, Inc. (TWN) is pleased to provide the City of Lake Worth Beach Electric Utility (LWBU) with this Proposal and Quotation for our Professional Engineering Services on the 18th Avenue North Metal-Clad Switching Station Project for the requested scope of work, Tasks 0-13. The following scope of services are covered by this proposal and quotation:

SCOPE OF WORK:

0. TWN to provide the following subtasks within Task 0, Project Management.
   - 0.1. Project Supervision and Scheduling
   - 0.2. Communication and Coordination Plan (with City, Powell, and others)
   - 0.3. Progress Reporting
   - 0.4. Project Plan Development
   - 0.5. Documentation and review of all project submittals and RFI's
   - 0.6. Review and recommendations on potential change orders during construction
   - 0.7. Documentation of deliverables
1. TWN to provide the following subtasks within Task 1, Substation Design Initiation:
   - 1.1. Data Acquisition
   - 1.2. Overall Station One-Line Diagram
   - 1.3. Substation General Arrangement Plan
   - 1.4. Design Criteria
   - 1.5. Preliminary Package Design & Bill of Material
     - 1.5.1. Clarification for City supplied, and Powell supplied
   - 1.6. CLWB Review Preliminary Design
   - 1.7. Geotechnical Report Review
   - 1.8. Soil Resistivity Report Review
   - 1.9. Topographic Survey Review

2. TWN to provide the following subtasks within Task 2, Major Equipment Specifications:
   2.1. Technical Specifications
   2.2. Equipment Purchase Recommendations
   2.3. Submittal Review
   2.4. Factory Test Report Review
   2.5. Control House (and all internal components being supplied) bid submission review against LWBU standards and specifications
   2.6. Factory Acceptance Test development and support
3. TWN to provide the following subtasks within Task 3, Physical Design:
   3.1. Plans, Elevations, and Sections
   3.2. Grounding – Grounding Plan and Grounding Details
   3.3. Conduit and Cable Schedules
   3.4. Underground Risers
   3.5. Substation Wall and Gates
   3.6. Substation Yard Lighting and poles
   3.7. Lightning Protection
   3.8. Physical Design Review (60%, 90%, IFC)
   3.9. Supporting Documentation
   3.10. Animal Mitigation (if needed)
   3.11. Substation Signage
   3.12. Lighting design to meet city standards for light pollution to neighbors
4. TWN to provide the following subtasks within Task 4, Civil/Structural Design:
   4.1. Site Preparation
   4.2. Drainage Design
   4.3. Site Grading Details
   4.4. Foundation Design – Building piers, pads for equipment (gate motor), etc.
   4.5. Structure Design – If needed for any external items
   4.6. General Wall Design Drawings (Guideline drawings)
      4.6.1. Station Interior ballistic wall layout
      4.6.2. Property perimeter layout
   4.7. Driveway Entry / Sidewalk Design – up to 3 entry points
   4.8. Civil/Structural Design Review (60%, 90%, IFC)
   4.9. Stair and Ramp Design for Building Access
   4.10. Coordination with Landscaping Design (Design by others)
   4.11. Bollards
   4.12. Gravel Requirements
5. TWN to provide the following subtasks within Task 5, Control and Relaying Schematics:
   5.1. Protective Relaying One-Line Diagram
   5.2. Three-Line Diagrams
   5.3. Protective Relaying Schematics
   5.4. Breaker Schematics
   5.5. Alarm Schematic
   5.6. SCADA, Automation, and Communications Connections
   5.7. Protective Relaying Design Review (60%, 90%, IFC)

6. TWN to provide the following subtasks within Task 6, Wiring Diagrams:
   - 6.1. Protection Relay Wiring
   - 6.2. Outdoor Equipment Wiring
   - 6.3. RTU Wiring
   - 6.4. Communications Interface
   - 6.5. Wiring Diagram Design Review
   - 6.6. Supporting Documentation
7. TWN to provide the following subtasks within Task 7, Protective Relay Settings & Studies:
   - 7.1. Data Acquisition
   - 7.2. Short Circuit Study Review
     - 7.2.1. Update CAPE Model
   - 7.3. SCADA/Communications & Automation Integration (Auto-transfer, Powell HMI screen layout, Schemes, RTU failover, Underground blocking schemes, Fiber Optic Arc Flash, etc.)
   - 7.4. Protective Relaying Criteria
   - 7.5. Protective Relay Settings, including logic diagrams and settings document
   - 7.6. Relay Test Procedures
   - 7.7. Full Relay Testing and Commissioning
8. TWN to provide the following subtasks within Task 8, Control Building:
   - 8.1. Building AC Schematic
   - 8.2. Building DC Schematic
   - 8.3. Supporting Documentation
   - 8.4. Review of Building Specifications for Quote / Bid (60%/90%/IFB)
   - 8.5. Review of Manufacturing Quote (90%, Acceptance)
   - 8.6. Review of Manufacturer Building Design and Drawing Submittals (60%, 90%, IFC)
9. TWN to provide the following subtasks within Task 9, Pre-Construction Activities:
   - 9.1. Construction Specification
   - 9.2. Bid Unit Schedule
   - 9.3. CLWB and Powell Bill of Material Review
   - 9.4. Construction Bid Package
   - 9.5. Contractor Selection Activities
10. TWN to provide the following subtasks within Task 10, Construction Activities:
    - 10.1. "Issued for Construction" Documents
    - 10.2. Pre-Construction Meeting
    - 10.3. Engineering Support during Construction, including site visits (as needed) and remote support (calls, emails, texts)
      - 10.3.1. Responding to RFI from construction contractor
      - 10.3.2. Review of shop drawings from contractors
      - 10.3.3. Field Change Order documentation and design support
11. TWN to provide the following subtasks within Task 11, Post-Construction Activities:
    - 11.1. Record Drawings
    - 11.2. As-Built Drawings
    - 11.3. Project Close-Out Documentation
    - 11.4. Lessons-Learned Review

12. TWN to provide the following subtasks within Task 12, Commissioning:
    12.1. Substation Commissioning Plan and Procedures, including energization, equipment checks, phase checks, and relay metering/setpoint verification
    12.2. Substation Commissioning, working with Contractor and LWBU during commissioning, verifying equipment and protective relay performance
    12.3. Substation Energization, working with Contractor and LWBU during energization activities to verify equipment and protective relay performance (primary phase checks by others)
    12.4. Final Commissioning Report
13. TWN to provide the following subtasks within Task 13, Quality Assurance:
    13.1. Quality Assurance

Based on the above Scope,

Our price for Professional Engineering Services is .....$ 551,425.00

TEAMWORKnet

Lake Worth Beach - 18th AVE Cost Breakdown

PROJECT MANAGEMENT					
Task	**Description**	**Hours**	**Labor $**	**Expense $**	**Total $**
0	Project Management	264	$43,416.00	$0.00	$43,416.00
	SUBTOTAL	**264**	**$43,416.00**	**$0.00**	**$43,416.00**
SUBSTATION ENGINEERING					
Task	**Description**	**Hours**	**Labor $**	**Expense $**	**Total $**
1	Substation Initiation	272	$42,098.00	$1,620.00	$43,718.00
2	Major Equipment Specifications	208	$37,886.00	$5,940.00	$43,826.00
3	Physical Design	408	$62,899.00	$0.00	$62,899.00
4	Civil/Structural Design	328	$48,902.00	$0.00	$48,902.00
5	Control & Relaying Schematics	336	$52,618.00	$1,620.00	$54,238.00
6	Wiring Diagrams	248	$37,454.00	$0.00	$37,454.00
7	Protective Relay Settings	344	$60,653.00	$7,560.00	$68,213.00
8	Control Building	112	$19,181.00	$0.00	$19,181.00
9	Pre-Construction Activities	128	$22,205.00	$0.00	$22,205.00
10	Construction Activities	112	$19,181.00	$4,320.00	$23,501.00
11	Post-Construction Activities	184	$25,920.00	$0.00	$25,920.00
	SUBTOTAL	**2680**	**$428,997**	**$21,060**	**$450,057**
COMMISSIONING					
Task	**Description**	**Hours**	**Labor $**	**Expense $**	**Total $**
12	Relay Testing & Commissioning	192	$34,992	$9,180	$44,172
13	Quality Assurance	64	$10,540	$3,240	$13,780
	SUBTOTAL	**256**	**$45,532**	**$12,420**	**$57,952**
	GRAND TOTAL	**3200**	**$517,945.00**	**$33,480.00**	**$551,425.00**