

ADDENDUM NO. 2

NOTICE is hereby given that the Bidding Documents have been modified and replacement pages issued herewith. Replacement pages have an Issue Date of September 12, 2023, note "Rev. 02" in the header, and indicate text changes for additions by ***bold italic*** and deletions by ~~Strikeout~~.

Replacement pages included for the following sections:

- 00 01 10 Table of Contents (*Page 2 only*)
- 00 41 13 Bid Form (*Page 3 only*)
- Attachment Unit Bid Price Sheet, Rev. 1
- 01 11 00 Summary of Work (*Page 1 only*)
- 33 71 23 Insulators, Line Hardware, Crossarms, and Anchors (*Page 1 only*)

Replacement Contract Drawings included:

- None

New Contract Drawings included:


- None

ANSWERS TO BIDDER QUESTIONS

1. All conductors are 336.4 ACSR
2. Reels are in 6000'.
3. Owner has purchased all material including ties and guy grips. Contractor not responsible to furnish any material.
4. Recloser and Cap bank will be "retire" only. To be reinstalled by City at later date.
5. Pole removal shall be bid at full price; however, topped poles will be paid at only half unit bid price. If a topped pole is removed by Contractor prior to completion of project, removal will be paid at the remaining half price.
6. Pole staking sheets will be reissued prior to construction.

Issued by:

Patterson and Dewar Engineers, Inc.



P. Anthony Hanson, P.E.
Principal Engineer
FL PE License #82804



13kV Distribution Line Reconductor & Rebuild
City of Wauchula, FL
W. Main Street

ITB No. _____ 2023-02
Date: _____ Sept. 12, 2023
Rev.: _____ 02

<u>SECTION</u>	<u>DESCRIPTION</u>
33 71 25	Conductor and Guy Wire
33 71 75	Overhead Electrical System Construction
33 71 95	Grounding of Overhead Lines

REVISION HISTORY

Revision No.	Date	Description
00	August 13, 2023	Issued for bid
01	Sept. 1, 2023	Issued Addendum No. 1
02	Sept. 12, 2023	Issued Addendum No. 2

END OF SECTION 00 01 10

ARTICLE 5 – BASIS OF BID

- 5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):
- A. Bidder shall complete the attached Unit Bid Sheets, and then transfer Unit Bid Price totals into the table below. Bidder shall submit the completed unit bid sheets in print form with this bid. Upon request, Bidder shall submit the completed unit bid sheets in Excel format. **Math calculation errors will default to unit bid prices.**
 - B. Total Lump Sum Price below shall encompass pricing for all work.

BID ITEMS	LUMP SUM PRICE
INSTALLS	\$
REMOVALS	\$
<i>TRANSFERS</i>	\$
Total Lump Sum Price	\$

- C. Unit Prices have been computed in accordance with Paragraph 13.03 of the General Conditions.
- D. Bidder acknowledges that estimated quantities are not guaranteed and are solely for the purpose of comparison of Bids. Final payment for all unit price bid items will be based on actual quantities, determined as provided in the Contract Documents.

5.02 CONTRACT PRICE MODIFICATIONS

Owner reserves the right to adjust measurements by an amount no greater than 25% of measurements specified in the Unit Price Bid Sheets. Adjustments to the Contract Price will be at the unit prices quoted.

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated are of the essence of the Contract.
- 6.02 Bidders shall begin the Work on receipt of the Notice of Award. In accordance with Paragraphs 15.03 and 15.06 of the General Conditions defining Substantial Completion and Final Completion, the Work shall be completed on or before dates listed below.
- Anticipated Notice to Proceed: October 24, 2023
 - Substantially completed on or before: April 30, 2024
 - All Work completed and ready for final payment on or before: May 31, 2024

ARTICLE 7 – LIQUIDATED DAMAGES

- 7.01 Terms for liquidated damages that shall apply to this Contract are defined in Paragraph 4.03 of the Agreement, Section 00 52 13.
- 7.02 Bidder hereby accepts the provisions of the Agreement as to liquidated damages or has fully itemized and explained in Section 00 45 05 of the Bidding Documents any exceptions or clarifications to the terms for liquidated damages.

ARTICLE 8 – ATTACHMENTS TO THIS BID

- 8.01 The following documents are submitted with and made a condition of this Bid:
- A. Completed Unit Bid Price Sheet(s)
 - B. Proposed work schedule
 - C. 00 43 13 Bid Bond or other form of required Bid security

WAUCHULA RECONDUCTOR & REBUILD PROJECT ALONG W. MAIN STREET

BID UNIT	DESCRIPTION	# OF UNITS	UNIT	LABOR	UNIT PRICE	EXT. PRICE
INSTALLS						
	SPAN GUY	589	FT			
	WIRE, 336.4 ACSR	140676	EA			
	POLE, 35' CLASS 4	4	EA			
	POLE, 35' CLASS 5	4	EA			
	POLE, 40' CLASS 3	120	EA			
	POLE, 40' CLASS 4	3	EA			
	POLE, 45' CLASS 3	24	EA			
	POLE, 50' CLASS 2	1	EA			
	POLE, 50' CLASS 3	1	EA			
	POLE, 55' CLASS 2	1	EA			
	POLE, 55' CLASS 3	1	EA			
M5-20/M5-23	STANDARD CONFIGURATION, PRIMARY TAP TAKEOFF	17	EA			
A7	SINGLE PHASE DEAD, NEUTRAL DEADENDS ON CROSSARM	1	EA			
B7S	STANDARD CONFIGURATION, HORIZONTAL DEADEND	2	EA			
C1-ALT MATERIALS	STANDARD CONFIGURATION, STRAIGHT LINE CONSTRUCTION	104	EA			
C1- POST/STEEL ARM	STANDARD CONFIGURATION, STRAIGHT LINE CONSTRUCTION	3	EA			
C2-ALT MATERIALS	STANDARD CONFIGURATION, MEDIUM ANGLE, CROSSARM	52	EA			
ALT MATERIALS	DOUBLE SUPPORT 10FT FIBERGLASS ARMS	10	EA			
C2-POST/ STEEL ARM	STANDARD CONFIGURATION, MEDIUM ANGLE CONSTRUCTION	1	EA			
C3-ALT MATERIAL	STANDARD CONFIGURATION, VERTICAL SUSPENSION	2	EA			
C7-STEEL ARM	STANDARD CONFIGURATION, HORIZONTAL DEADEND	18	EA			
C8-STEEL ARM	STANDARD CONFIGURATION, HORIZONTAL DOUBLE DEADEND	11	EA			
DC-C1	DOUBLE CIRCUIT, STRAIGHT LINE CONSTRUCTION	2	EA			
E1	ANCHOR GUY DETAIL	61	EA			
E1-S	SIDEWALK GUY	4	EA			
E6	DOUBLE DOWN GUY	3	EA			
E9	SPAN GUY DETAIL	15	EA			
F1-S	ANCHOR, SCREW (HELIX)	70	EA			
G110	SINGLE TRANSFORMER INSTALLATION, DEADEND POLE MOUNTED	1	EA			
G210	TWO TRANSFORMERS, CLUSTER MOUNTED OPEN DELTA	1	EA			
J10	SECONDARY SQUARE CLEVIS	38	EA			
K10	SERVICE ASSEMBLY	1	EA			
M2	TYPICAL GROUND ROD LOCATION FOR UTILITY POLE	157	EA			
M5-10	SECTIONALIZING - FUSED, SINGLE PHASE PRIMARY	5	EA			
M5-2	INSULATOR-POLETOP SINGLE	2	EA			
M5-23	INSULATOR LINK	64	EA			
M5-4	INSULATOR-HORIZONTAL	2	EA			
M5-5	INSULATOR-VERTICAL SINGLE	18	EA			
M5-6	ARRESTER	2	EA			
M5-9	CUTOUT	2	EA			
M5-6	SURGE ARRESTER	84	EA			
M5-10	CUTOUT ARRESTER COMBO	5	EA			
M3-3A	UNDERARM DISCONNECT SWITCH	27	EA			
UM2	SINGLE PHASE OH TO UG TERMINATION	4	EA			
UM5	TYPICAL UNDERGROUND SERVICE INSTALLATION	10	EA			
INSTALL TOTAL: \$						-

WAUCHULA RECONDUCTOR & REBUILD PROJECT ALONG W. MAIN STREET

WAUCHULA RECONDUCTOR & REBUILD PROJECT ALONG W. MAIN STREET						
BID UNIT	DESCRIPTION	# OF UNITS	UNIT	LABOR	UNIT PRICE	EXT. PRICE
REMOVALS						
	WIRE, 1/0 ACSR RAVEN	8072	FT			
	WIRE, 2 TRIPLEX CONCH SEC	66	FT			
	WIRE, 4 ACSR SWANATE	2805	FT			
	WIRE, 6A CWC	128876	FT			
	POLE, 30' CLASS 5	1	EA			
	POLE, 35' CLASS 4	1	EA			
	POLE, 35' CLASS 5	3	EA			
	POLE, 40' CLASS 3	138	EA			
	POLE, 40' CLASS 4	3	EA			
	POLE, 45' CLASS 3	12	EA			
A1	STANDARD CONFIGURATION, STRAIGHT LINE CONSTRUCTION	2	EA			
A5	STANDARD CONFIGURATION, DEADEND	4	EA			
M5-20/M5-23	STANDARD CONFIGURATION, PRIMARY TAP TAKEOFF	13	EA			
A7	SINGLE PHASE DEAD, NEUTRAL DEADENDS ON CROSSARM	2	EA			
A8	SINGLE PHASE DOUBLE DEADEND ON CROSSARM	1	EA			
B7	CROSSARM CONSTRUCTION, DEADEND, ON ARMS	2	EA			
C1-ALT MATERIALS	STANDARD CONFIGURATION, STRAIGHT LINE CONSTRUCTION	84	EA			
C1- POST/STEEL ARM	STANDARD CONFIGURATION, STRAIGHT LINE CONSTRUCTION	1	EA			
C2-ALT MATERIALS	STANDARD CONFIGURATION, MEDIUM ANGLE, CROSSARM	1	EA			
C2-1	ALTERNATE CONFIGURATION, MEDIUM ANGLE, CROSSARM	1	EA			
C2- FIBERGLASS	STANDARD CONFIGURATION, MEDIUM ANGLE CONSTRUCTION	1	EA			
C2-POST/ STEEL ARM	STANDARD CONFIGURATION, MEDIUM ANGLE CONSTRUCTION	2	EA			
C7	CROSSARM CONSTRUCTION, DEADEND, ON ARMS	20	EA			
C8	CROSSARM CONSTRUCTION, HORIZONTAL DOUBLE	13	EA			
	NEUTRAL ON CROSSARM CONSTRUCTION, STANDARD	83	EA			
E1	ANCHOR GUY DETAIL	26	EA			
E1-S	SIDEWALK GUY	2	EA			
E6	DOUBLE DOWN GUY	1	EA			
E9	SPAN GUY DETAIL	6	EA			
F1-S	ANCHOR, SCREW (HELIX)	29	EA			
G110	SINGLE TRANSFORMER INSTALLATION, DEADEND POLE MOUNTED	2	EA			
J10	SECONDARY SQUARE CLEVIS	40	EA			
K10	SERVICE ASSEMBLY	1	EA			
M3-25A	TWO OR THREE SECTIONALIZING OIL CIRCUIT RECLOSER	1	EA			
M5-2	INSULATOR-POLETOP SINGLE	2	EA			
M5-23	INSULATOR LINE	2	EA			
M5-4	INSULATOR-HORIZONTAL	2	EA			
M5-5	INSULATOR-VERTICAL SINGLE	11	EA			
M5-6	ARRESTER	2	EA			
M5-9	CUTOUT	8	EA			
M9-13-M2	POLE MOUNTED FIXED SHUNT CAPACITOR INSTALLATION	1	EA			
M5-6	SURGE ARRESTER	43	EA			
M5-6	SURGE ARRESTER ON STANDOFF	3	EA			
M3-30	3PH RECLOSER BANK W / BYPASS	1	EA			
M5-9	CUTOUT	8	EA			
M3-3A	UNDERARM DISCONNECT SWITCH	3	EA			
UM2	SINGLE PHASE OH TO UG TERMINATION	4	EA			
UM5	TYPICAL UNDERGROUND SERVICE INSTALLATION FRAMING	10	EA			
REMOVAL TOTAL:					\$	-

WAUCHULA RECONDUCTOR & REBUILD PROJECT ALONG W. MAIN STREET

BID UNIT	DESCRIPTION	# OF UNITS	UNIT	LABOR	UNIT PRICE	EXT. PRICE
TRANSFER						
G110	1PH TRANSFORMER-INCLUDES ALL MATERIAL ASSOICATED W/XFMR INCLUDING XFMR	16	EA			
G210	2PH TRANSFORMER-INCLUDES ALL MATERIAL ASSOICATED W/XFMR INCLUDING XFMR	5	EA			
SL	STREET LIGHT-INCLUDES INSTALLATION AND RECONNECTION	11	EA			
PF	FLOOD LIGHT-INCLUDES INSTALLATION AND RECONNECTION	3	EA			
J2.1	SERVICE/SECONDARY ASSEMBLY	1	EA			
M5-10	CUTOUT/ARRESTER COMBO	4	EA			
M5-9	CUTOUT	5	EA			
S1.01	CUTOUT	5	EA			
E9	SPAN GUY	1	EA			
TRANSFER TOTAL:						\$ -

**SECTION 01 11 00
SUMMARY OF WORK****1.01 GENERAL****1.01 SECTION INCLUDES**

- A. Point of Destination
- B. Description of Work
- C. General Work Requirements
- D. Notification And Underground Utility Locates
- E. Outages
- F. Site Visit
- G. Work by Owner / Owner-Furnished Items

1.02 POINT OF DESTINATION

West Main Street from Hwy 35A to Hwy 64

1.03 DESCRIPTION OF WORK

A new agricultural customer is developing a site within the service area of the City of Wauchula. The circuit identified to feed this new facility will require the reconductor and rebuild of approximately seven miles of overhead three-phase construction. Construction includes:

1. Installation of approximately 150 wood poles of three-phase construction and the required equipment to continue feeding customers along the route.
2. Installation of 33,170-feet of 336 ACSR three-phase.
3. Removal/Topping of 153 poles, framing and equipment.
4. Removal of 35,160-feet of ACSR and/or #6 CU conductor.
5. ***Transfer existing transformer services and lights***

1.04 GENERAL WORK REQUIREMENTS

The scope of Work includes the installation of a complete and functional system for serving distribution customers. The general scope of tasks is described as follows:

- A. Owner will furnish all material.
- B. Engineer shall be responsible for layout and surveying of the proposed modifications. Engineer shall provide survey locations of structures and anchors.
- C. Contractor shall be responsible for providing supervisor(s) and personnel qualified to perform the Work as specified.
- D. The methods of framing and construction practices must conform to the latest and best current practice for the type of construction required for the application. The system shall be complete with all necessary accessories for proper operation.
- E. Actual construction shall be based on the Contract Drawings. Any change to the Contract Drawings must be approved by Owner. If any departure from the Contract or Contract Drawings is deemed necessary by Contractor, details of such departure and the reasons therefor shall be submitted as soon as practicable to Engineer and Owner for approval. No such departures shall be made without prior written approval of Owner. Within 10 days after return of approved prints, copies of the revised drawings shall be furnished to Owner for retention as a matter of record. Prior to completion of the Work, the originals, available from Owner, shall be revised to show all changes subsequent to original plans and submitted for retention as a matter of record.

**SECTION 33 71 23
INSULATORS, LINE HARDWARE, CROSSARMS AND ANCHORS**

PART 1 - GENERAL**1.01 SECTION INCLUDES**

- A. Materials
- B. Insulators
- C. Hardware
- D. Crossarms
- E. Guys
- F. Anchors

1.02 QUALITY ASSURANCE

~~All insulator ties, connectors, and guy grips are considered part of the units and will be supplied by Contractor at no additional cost.~~

PART 2 – PRODUCTS**2.01 WOOD POLES**

All materials shall be Owner-furnished.

PART 3 – EXECUTION**3.01 INSULATORS**

- A. Handle insulators with care. Protect fiberglass continuously with packaging until installed.
- B. Insulators shall be thoroughly cleaned of all foreign material before installation. Cotter pins must be fully inserted in insulator caps. If suspension insulators are raised separately from the pole structure, they shall be lifted from one (1) end of the assembly only. Bending of insulator strings, resulting in deformation of fittings or hardware, including cotter pins, shall result in rejection of the string, in which case Contractor shall re-fabricate the string at no cost to Owner. The movements of insulator strings for construction purposes shall be accomplished by pulling the string from the bottom. All movement of insulator string away from or back to vertical shall be controlled movement. All post insulators shall be handled in a manner to prevent damage. Damaged, chipped or cracked insulators shall be replaced by Contractor.
- C. Do not transport insulators and fiberglass units in any manner that will scratch, mar, or deface coating.

3.02 HARDWARE

- A. Before installation, inspect hardware for missing parts, visual defects, and damage to galvanizing. Clean hardware by removing dirt, corrosion, and foreign matter. Repair damage to galvanizing to Engineer's satisfaction.
- B. Tighten all hardware firmly, using properly installed lock washers, lock nuts and spring washers,
- C. Provide a washer at each point where a bolt head or nut bears on the surface of a pole or crossarm. Provide a locknut with each nut, eye nut, or other fastener on all bolts or threaded hardware.