



**THE CITY OF KEY WEST**

Post Office Box 1409 Key West, FL 33041-1409 (305) 809-3883

**CHANGE ORDER**

CHANGE ORDER NO. \_\_\_\_\_

CHANGE ORDER DESCRIPTION \_\_\_\_\_

PROJECT NAME: \_\_\_\_\_

PROJECT CODE: \_\_\_\_\_

CONTRACTOR NAME: \_\_\_\_\_

**THE FOLLOWING MODIFICATIONS TO THE CONTRACT ARE HEREBY ORDERED:**

( Detail provided on additional page(s). Yes \_\_\_ or No \_\_\_ )

**CONTRACT VALUE**

**CONTRACT TIME (CALENDAR DAYS)**

ORIGINAL CONTRACT \$ \_\_\_\_\_

ORIGINAL CONTRACT \_\_\_\_\_ DAYS

PREVIOUS CHANGE ORDERS \$ \_\_\_\_\_

PREVIOUS CHANGE ORDERS \_\_\_\_\_ DAYS

THIS CHANGE ORDER \$ \_\_\_\_\_

THIS CHANGE ORDER \_\_\_\_\_ DAYS

**REVISED CONTRACT VALUE** \$ \_\_\_\_\_

**REVISED CONTRACT TIME** \_\_\_\_\_ **DAYS**

**REVISED CONTRACT COMPLETION DATE:** \_\_\_\_\_

By:  
City of Key West

By: \_\_\_\_\_  
Contractor Name

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Printed Name

*RR*

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date



Tel. (239) 263-7137  
Fax. (239) 263-7328

June 30, 2022

Key West VFD Replacement

Douglas N. Higgins, Inc.  
4485 Enterprise Ave.  
Naples, FL 34104

Attn: Michael LoBello Phone: (239) 774-3130  
Email: mikel@dnhiggins.com

We are pleased to quote on the electrical work for the above referenced project as per plans and electrical specifications provided.

Qualifications:

- 1) Electrical demolition only is included.
- 2) Electrical permitting fees are not included. Proposal price is good for 30 days.
- 3) Furnishing or installing concrete equipment pads is not included.
- 4) Furnishing and installation of all Pumps, Motors and Treatment Equipment is not included.
- 5) Furnishing of division Instrumentation and Control System is not included.
- 6) Site restoration, concrete, asphalt, or gravel replacement is not included.
- 7) Removal of construction debris from property is included or placed on site as directed.
- 8) Performance and payment bond is not included. Add 1.8%
- 9) This proposal includes DEMO/Install one isolation xformer and one VFD only.
- 10) Additional conduit material may be needed to accommodate re-terminating conduits.
- 11) Gulf States Electric is not responsible for possible existing code violations.
- 12) Proposal assumes reuse of existing wire, additional wire is not included.
- 13) If additional wire is needed a written proposal for additional costs will be provided.

TOTAL BASE INSTALLED PRICE: \$41,300.00

Douglas N. Higgins, Inc.  
Name: Michael LoBello  
Signature: [Signature]  
Date: 7/5/22

Thank you for your time and consideration, please call me if you have any questions regarding this proposal.  
Sincerely,  
Brad Hamm  
Project Manager  
Gulf States Electric, LLC.  
(239) 263 - 7137 x 201

**PLEASE NOTE**  
Due to the instability in the commodities markets, if during the performance of this proposal, the price of materials suffer an increase of 5% or more through no fault of Gulf States Electric, the price of this quotation shall be equitably adjusted by an amount necessary to cover such price increases. Additionally, where the delivery of materials, components or goods required as part of this proposal are delayed through no fault of Gulf States Electric as a result of a shortage or unavailability of commodities, raw materials, components or products, Gulf States Electric shall not be liable for any additional costs or damages associated with such delays.

July 15, 2022

## **Key West VFD Replacement**

### **Additional Unforeseen Conditions**

**Douglas N. Higgins, Inc.**  
Attn. Mike LoBello

I have prepared a proposal to complete additional work needed to install the new VFD and Pulse Transformer. See attached documentation with explanation.

- 1) The existing feeders from the electric room to the existing iso transformer are not long enough. See pic#1
  - a. Advised solution would be to install a terminal block in the new pulse transformer. See pic#2
  - b. Note\* If a terminal block is not acceptable then we will have to replace the feeders (very expensive).
  
- 2) We cannot reuse the wire from the existing iso. transformer to the existing VFD because the new pulse transformer feeds the new VFD through four high stranded 1000 volt DC cable. Factory cables are not long enough.
  - a. Solution, we are going to have to purchase new 1000v DC Cable. See pic#3
  
- 3) The conduit arrangement above the existing VFD will not fit in the new VFD window. See pic#4
  - a. Solution, cut the conduit close to the ceiling and install grounding bushing and free wire to the new VFD window. (as done previously) We will have to install "C" condilets to accommodate pulling wire back. See pic#5

\$12,635.15	Material
\$11,139.87	Labor
\$10,661.94	Travel Time, Room, & Board
\$34,436.96	TOTAL

Thank you for your time and consideration, please call me if you have any questions regarding this quotation.

Brad Hamm  
Estimator/Project Manager  
Gulf States Electric, Inc.  
239-263-7137 x 201



# Nearshore Electric, Inc.

State Certified Electrical Contractor

#EC13001186

**Owner:** City Of Key West  
**Project:** Install Owner Provided VFD  
**Project Address:** Fleming Key WWTP

**Job #230701 Rev I**  
**Confidential**

## Scope of Work

August 15, 2023

To all concerned,

We are pleased to offer you our proposal for the electrical work required at the Fleming Key WWTP in Key West Florida. All work performed by Nearshore Electric, Inc. shall conform to current codes, regulations, and project specifications. All work performed by Nearshore Electric, Inc. shall be warranted for a period of one year. The following breakdown describes the items and services that Nearshore Electric, Inc. shall provide as well as any exclusion from our scope of work.

### INCLUDED IN BID:

#### Owner Furnished VFD

- ◆ Remove existing 1336 Plus Allen Bradley VFD
- ◆ Extend house-keeping slab
- ◆ Remove existing Multilin 269 plus trip unit from old VFD and install in space provided in new VFD
- ◆ Re-route existing controls to distribution side of existing VFD
- ◆ Remove existing door and door frame to allow room for new VFD to fit through opening without tipping VFD
- ◆ Install new owner provided Allen Bradley Power Flex 755 VFD
- ◆ Re-install door frame and doors and patch sheetrock that was removed for VFD installation
- ◆ Remove existing isolation transformer and conduits
- ◆ Install new owner provided transformer and disconnect
- ◆ Install new conduit/wire from transformer to VFD
- ◆ Provide and install conduit/wire from LP panel to VFD for control power and cooling fans
- ◆ Program parameters and assist in VFD commissioning
- ◆ Workers Comp/General Liability Insurance
- ◆ Taxes
- ◆ Warranty

### EXCLUDED FROM BID:

- ◆ Permit fees
- ◆ VFD equipment (supplied by owner)
- ◆ Disposal of old VFD/Transformer
- ◆ Any Scope of work not clearly shown on drawings or within the bid documents and/or specifications is not included in this proposal.

We propose to furnish material and labor, complete in accordance with the above specifications, for the lump sum of: ***Eighty-Four Thousand Five Hundred Dollars and No Cents* ..... \$84,500.00**

Authorized Signature \_\_\_\_\_  
Jeffery L Kirk ~ President

Date 8/15/2023