



Project Name: City of Key West
SWR SDC
500HP Effluent Pump Drive

Proposal Date: December 07, 2018

Proposal Number: 91918LS

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BASE SCOPE OF SUPPLY

ITEM	QUANTITY	DESCRIPTION
1	1	500HP Effluent Pump Drive – PowerFlex 755, 18-pulse, 480 VAC, 3 phase, 60Hz PWM Variable Frequency Drive rated for 710 amps continuous at 480 VAC. Packaged drive is complete with the items





and features listed in specification section 26 29 23. Drive is mounted in appropriate NEMA 1G type enclosure with main circuit breaker, 18 pulse hardware, Ethernet communication, RTD controller and 3% output line reactor. Drive will be wired per contract specifications and RA standard wiring practices.

Item 1 Drive.....\$136,000.00

INCLUDED DRIVE EQUIPMENT OPTIONS

- Drive is supplied with 65K rated main circuit breaker and drive input fusing.
- 18 pulse drive is supplied.
- Drive is supplied with 3% OLR.
- Ethernet communication and RTD Controller.
- 115VAC control power with extra capacity.
- Door mounted HIMs, appropriate operator pilot devices and PTT LED lights.
- Drive enclosure is freestanding floor mount NEMA type 1G, ventilated with fans and filters.

COMMERICAL ITEMS

APPLICABLE SPECIFICATIONS



Our proposal is based on our best interpretation of CH2M specification section 26 29 23 and contract drawings 010-E-501 and 010-E-502 both dated February 2018. They are the only specifications/drawings which shall apply to this proposal either directly or by reference. Any specifications not specifically included as part of this proposal are excluded from this offering.

COMMENTS & CLARIFICATIONS

Rockwell is acting as an equipment supplier only, not as a Contractor or Sub-Contractor. The applicable specifications listed above are applicable only to the extent of the Rockwell "EQUIPMENT SUPPLIER" scope of supply as described in this proposal. Comments/Clarifications to this specification are listed below:

Drive Spec 26 29 23 dated 8/2/2018

- 1.05 RA standard computer harmonic analysis reports are quoted and will be supplied.
- 1.11 One complete spare drive is supplied; add'l printed circuit boards and powerbridge are not.
- 2.01 Allen-Bradley PowerFlex 755 drive is quoted.
- 2.05 Standard RA factory enclosure finish is quoted.
- 2.06 Standard RA factory testing and reports are quoted.
- 3.01 Drive installation by others.
- 3.02 All field quality control to be supplied by others, not quoted.

STARTUP SUPERVISION AND FIELD TESTING

The services of a Rockwell Field Service Engineer for on-site startup, testing and training are included per spec sections 3.03. However, with reference to spec 3.02 clarification above, we will only assist with any functional, vibration, harmonic and performance testing. Actual equipment required, implementation and reporting will be supplied and conducted by others, not quoted.

SUBMITTALS AND APPROVAL DRAWINGS (if required)

6-8 weeks after receipt at Rockwell of an acceptable order with complete project engineering data.

SHIPMENT

Shipment will be 14-16 weeks after the receipt of approved submittal drawings at Rockwell. Shipment is estimated and is subject to confirmation at the time of order placement. Partial drive(s) shipment can be coordinated if necessary.

FREIGHT

Price is included FOB to jobsite or first destination within US, prepaid and allowed, with means of transport selected by Rockwell. Special means of transport or packaging required by customer will incur additional charges.

O&M MANUALS

Four bound copies of paper O&M manuals will be supplied. Additional two manuals will be supplied on CD.

WIRING



Power and motor cable termination lugs are the responsibility of the purchaser, not Rockwell, and exception is taken to same. Wire markers, if required by spec, are sleeve-type and applied to customer wiring points only.

STORAGE

Provisions must be made by the receiving party for storage in a clean, dry, temperature controlled facility immediately after conducting a thorough receiving inspection. In the event purchaser is unable to accept shipment upon notification of Rockwell’s readiness to ship, goods shall be placed in suitable storage by Rockwell. Storage charges, (if applicable), will be billed.

WARRANTY

Per spec 1.10 drive parts warranty is for 12 months from initial drive power up or 18 months from ship date whichever occurs first.

PRICE

Item 1.....(1) 500HP PF755, LD, 18p, 710 amp engineered drive.....\$136,000.00

Pricing does not include any state, sales, use or other taxes as may be applicable to this project. Pricing will be held for 90 days from bid date.

RIGHT TO INVOICE

Purchaser will be notified when Rockwell is ready to ship. Rockwell reserves the right, upon stated notification, to issue invoice for goods ready to ship notwithstanding purchaser’s ability to accept shipment.

TERMS OF PAYMENT

Net 30 days after shipment, pending approval of our Credit Department. Retention is not allowed, unless special payment terms are agreed to prior to order entry.