ALTRONEX CONTROL SYSTEMS

PROPOSAL

TEL: (800) 362-7266
www.lwallen.com/altronex

Name	Customer	Proposal#	Due/Bid Date
Heart of the Valley, WI - WWTP MCC Upgrades	Heart of the Valley, WI - WWTP	20222572	6/30/2022, 12:00 PM

Scope

The existing Motor Control Centers at the wastewater plant utilize DeviceNet Communications. It is a reliable communication platform, but the components are becoming obsolete from the manufacturer. Also, with the shortage of materials, it is becoming impossible to get DeviceNet modules. Ethernet communications is currently the new method of I/O communications from the MCC to the SCCs. This is the easiest way to upgrade the I/O from the MCCs to the SCCs. All of the MCCs would need to be upgraded

Modifications to the Motor Control Center would include the following MCCs:

- 12-MCC-1, 12-MCC-2
- 20-MCC-1, 20-MCC-2
- 30-MCC-1, 30-MCC-2, 30-MCC-T
- 40-MCC-1, 40-MCC-2
- 50-MCC-1, 50-MCC-2, 50-MCC-T
- 60-MCC-1, 60-MCC-1A, 60-MCC-2, 60-MCC-2A, 60-MCC-T
- 70-MCC-1, 70-MCC-2

Motor Control Center Modifications (Typical for all MCC listed above)

- Feeder Breakers
  - Individual feeder buckets will not be changed
- Full Voltage Non-Reversing Starters
  - Existing starter buckets will be removed
  - New FVNR starter buckets will be installed in their place
    - Circuit Breaker
    - Control Power Transformer
    - Nema Size x motor starter
    - E300 solid state Ethernet overload
    - AB control station with diagnostic menu
    - Relay logic to match existing bucket as needed
- Full Voltage Reversing Starters
  - Existing starter buckets will be removed
  - New FVR starter buckets will be installed in their place
    - Circuit Breaker
    - Control Power Transformer
    - Nema Size x motor starter
    - E300 solid state Ethernet overload
    - AB control station with diagnostic menu
    - Relay logic to match existing bucket as needed
- Variable Frequency Drives (Bucket Mounted)
  - Existing VFD buckets will be removed
  - New VFD bucket will be installed in their place
    - Circuit Breaker
    - Control Power Transformer
    - PowerFlex 753 VFD
    - I/O Board
    - Ethernet Communication Board
    - Relay logic to match existing bucket as needed

- Variable Frequency Drives (Frame Mounted)
  - Existing VFD and components to be removed
  - New VFD Structure will be stripped of parts and relocated into existing structure
    - Circuit Breaker
    - Control Power Transformer
    - PowerFlex 753 VFD
    - I/O Board
    - Ethernet Communication Board
    - Relay logic to match existing bucket as needed

Altronex Control Systems Professional Services

- Engineering and Design
- Documentation
- PLC Programming
- Factory Testing
- Training
- Installation of Buckets
- 1 Year Warranty

Clarifications

- The original bid we did in 2022 included a 10% escalation for the MCC. Allen Bradley had a 10-15% increase effective January 1, 2023. The percentage varied upon components. The original escalation that was figured in is now consumed in the MCC cost.

Items specifically not included in this proposal

- Sales or use tax
- Performance, payment or equipment bond of any kind
- Installation of any instruments
- Permits or Bonding

Progress and Payment Schedule

- Receipt of PO
- Engineering/Design/Drawings/Approval with Kevin.....6 Months after PO.....25% Payment
- Receipt of MCC Buckets.....10 Months after PO.....50% Payment
- Factory Test Complete.....3 Months after Receiving.....90% Payment
- Installation is Complete.....2 Months after Factory Test.....100% Payment

Proposal Amount $ 1,567,717.00 USD
Freight Terms: FOB Origin, Freight Prepaid

Respectfully submitted by,

Kurt Atwood
Business Development Manager
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(608) 210-1455

Acceptance of Proposal (Purchase Order or Signature) – The preceding prices, specifications and attached terms and conditions of sale are satisfactory and hereby accepted. You are authorized to proceed.

Signature	Name Print/Type	Official Position	Date