

**Request for Proposals**

**MCI Flowtronex Pump**

**Station Installation**



**Marlboro County Golf and Recreation Complex**

**Marlboro County Government  
205 E Market Street  
Bennettsville, South Carolina  
29512**

## INSTRUCTIONS TO PROPOSERS

### 1. SCOPE OF WORK

#### Project Description:

Marlboro County Government is issuing this Request for Proposals (RFP) soliciting proposals from qualified firms to complete the installation of an MCI Flowtronex packaged pump station part number PPS-N-ES-690-120-sv-p-48-3-6 See attachment for outlined equipment. UL Listed pump station complete with pump base, sch40 steel manifolds, isolation valves, closed coupled pumps/motors, check valves and discharge flow meter. Standard MPC controls with single VFCD drive and alternating contactors so each main motor may run XL or VFD. Built under iso9001: 2015 certification.

#### Golf Course Location:

- 404 Country Club Dr, Bennettsville SC, 29512

### 2. PROVISIONS

- A. The contractor shall provide all materials, tools, machinery, labor, and supervision necessary for the pump station installation at 404 Country Club drive, Bennettsville, SC 29512. See attachment for outlined Equipment
- B. Contractor shall be responsible for obtaining any local building permits. The existing pumphouse will be used to house the new packaged pump station. Contractor is responsible for removal of existing station, installation of new station including off-loading skid, setting station in existing pumphouse, setting discharge spool and flow spools, setting panel in proper position If standalone panel used, installing Siemens Magnetic Flowmeter, install isolation valves, anchor pump station and test and calibrate. Also crane scheduling, transition-pipe (if needed) and start-up and training Marlboro County Government will be responsible for any utilities that need disconnected, but it will be the responsibility of the contractor to contact all utility providers (water, sewer, electric, gas and cable) prior to commencement of installation
- C. The contractor shall be responsible for any damage to the course and be responsible for repairing such damage. The contractor is responsible for all other applicable fees, permits, and required notices not identified in Section 2.B above.
- D. The contractor will provide a safe working environment.
- E. Pre-bid meeting attendance is mandatory as questions will be answered and site will be toured.

### 3. SCHEDULE

- Advertise Request for Proposals (RFP) May 25, 2023
- Pre-Bid Meeting 2 pm Eastern June 7, 2023
- Deadline for receipt of written questions and requests for addenda June 15, 2023
- Marlboro County Government responds to questions and/or addenda issued June 21, 2023

- Proposals Due – 10 am Eastern June 28, 2023
- Award Proposal July 12, 2023
- Tentative Notice to Proceed July 27, 2023

#### 4. GENERAL PROPOSAL CONDITIONS

- A. Contractors must meet all Federal, State, and local licensing requirements.
- B. Responses to the RFP shall be made according to the instructions contained herein. Failure to adhere to instructions may be cause for rejection of any proposal.
- C. Proposers understand and agree that submission of a proposal will constitute acknowledgment and acceptance of, and willingness to comply with, all the terms, conditions, and criteria contained in this RFP, except as otherwise specified in the proposal. All parts of the submitted proposal may become part of any subsequent contract between the selected proposer and Marlboro County Government.
- D. False, misleading, incomplete, or unresponsive statements in connection with a proposal may be sufficient cause for rejection of the proposal. The evaluation and determination of the fulfillment of the above requirement will be Marlboro County Government's responsibility, and its judgment shall be final.
- E. Proposals shall provide a straightforward, concise delineation of the proposer's capability to satisfy the requirements of the RFP. Each proposal shall be submitted in the requested format and provide all pertinent information, including but not limited to information relating to capability, experience, financial resources, and other information as specified in Section 6 and otherwise required in this RFP. Each proposal shall be signed in ink by a duly authorized officer of the company.

#### 5. SUBMISSION OF PROPOSALS

- A. Proposals in response to this RFP shall be considered received at the time received by the addressee. All proposals and other communications should be addressed to Marlboro County Government as follows:

Eric Dusa  
 Golf Course Manager  
 Marlboro County Government  
 205 E Market St  
 Bennettsville SC 29512  
 Phone: 843-703-9483  
 Email: [edusa@marlborocounty.sc.gov](mailto:edusa@marlborocounty.sc.gov)

- B. Written proposals must be received by Marlboro County Government at its office address listed in section 5.A. above by 10 am June 28, 2023. Written proposals may either be mailed or delivered and marked as described.



- C. Proposals received after this specified date and time above shall be considered late and shall not be considered for evaluation.
- D. Each proposal shall be in the form specified in this RFP, and in a sealed envelope with outside markings stating "Marlboro County Golf Course Pump Station Proposal".

## 6. REQUIRED ELEMENTS OF PROPOSALS

- A. Cover Letter. Each proposer shall submit a short cover letter including the name and address of the organization submitting the proposal; and the name, address, and telephone number of the contact person who will be authorized to make representations for the organization.
- B. Experience.
  - Qualifying Experience. Brief history of the firm including any fields of expertise, previous experience with jobs of similar scope. List a minimum of three (3) recent projects similar in scope (if possible).
  - Litigation. Provide a list of any litigation in which the Firm and/or Managing Principal is named a party.
- C. Proposed Work Plan/Schedule. Project is designed to be performed during the non-growing season (October 1, 2023 and beyond).
- D. Certificate of Liability Insurance. Proposer must submit proof of general liability insurance, and worker's compensation insurance each in an amount of at least \$1M. If proposer is awarded a contract for this project, a certificate of liability insurance listing Marlboro County Government as an additional insured will be required.
- E. Proposal Submittal Form. (Included in this RFP)

## 7. CLARIFICATION AND ADDENDA PROCESS

- A. A proposer may submit to Marlboro County Government a written request for an interpretation or clarification of, or an addendum to this RFP. Any such request must be received by Marlboro County Government no later than June 15, 2023. The request must be e-mailed to [edusa@marlborocounty.sc.gov](mailto:edusa@marlborocounty.sc.gov). The subject line of all emails should be "Marlboro County Golf Course Irrigation Proposal." Proposers should specifically note Marlboro County Government prefers questions be submitted by e-mail.

Marlboro County Government will review and prepare a written response to each request made by a proposer pursuant to this section. Marlboro County Government written determination will be e-mailed by June 21, 2023 unless circumstances require a later date.

- B. Marlboro County Government reserves the right to make modifications or addenda to this RFP. If Marlboro County Government determines it is appropriate to revise any portion of this RFP, either at the request of a proposer or upon Marlboro County Government's own initiative, Marlboro County Government will issue, and make available to all prospective proposers via Marlboro County Government's website at [marlborocounty.sc.gov](http://marlborocounty.sc.gov).
- C. Marlboro County Government is not bound by any oral interpretations, clarifications, or changes made to this RFP by any Marlboro County Government employee or consultant. Any clarification or change to the RFP must be provided in writing pursuant to this section.

## **8. COST OF PROPOSAL**

Any costs incurred by proposers in responding to this RFP shall be the proposer's sole expense and will not be reimbursed by Marlboro County Government.

## **9. CANCELLATION OF REQUEST FOR PROPOSALS**

Marlboro County Government reserves the right in its discretion to cancel this RFP in whole or in part.

## **10. PROPOSAL REJECTION**

Marlboro County Government reserves the right to accept or reject all proposals submitted in response to the RFP or refuse to enter any contract resulting from any proposal submitted, without expense to Marlboro County Government.

## **11. PROPOSAL WITHDRAWAL**

Proposal will be evaluated promptly after opening and a bid tabulation summary will be provided upon request. Proposal results will not be given over the telephone. No bid may be withdrawn for a period of thirty (30) calendar days after bid opening.

## **12. AWARD**

Award of bid shall be made to the lowest responsible bidder meeting the specifications set forth herein. In addition to the quoted price, the following criteria may be used in the award: experience, and service provided by the proposer, quality of work, completion date, and other factors deemed relevant by Marlboro County Government. Project payments schedule will be determined once bid is awarded.

Experience	25%
Cost/Price	50%
Project Completion Schedule	25%

## MARLBORO COUNTY GOVERNMENT

### BID SPECIFICATIONS / BID SUBMITTAL FORM

**Project Location: Marlboro County Golf and Recreation Complex, 404 Country Club Dr, Bennettsville SC, 29512**

The undersigned Pump Station Installer, having examined these documents, and having full knowledge of the condition under which the work described herein must be performed, hereby proposes that she/he will fulfill the obligations contained herein in accordance with all instructions, terms, conditions, and specifications set forth; and that she/he will furnish all required products/services and pay all incidental costs in strict conformity with these documents for the stated prices as payment in full.

Bid \$ \_\_\_\_\_

Available Start Date: \_\_\_\_\_

Length of time for Completion: \_\_\_\_\_

Submitting Firm: \_\_\_\_\_

Address: \_\_\_\_\_

Name of Authorized Representative (print/type): \_\_\_\_\_

Title: \_\_\_\_\_

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

Date: \_\_\_\_\_

Email: \_\_\_\_\_

Phone Number: \_\_\_\_\_

#### FIRM PRICING

Prices submitted in this bid form are firm through (minimum 90 days): \_\_\_\_\_



# PROPOSAL SCOPE

- 1 Ea MCI UL Listed QCZJ Packaged Pump Station  
Part Number PPS-N-ES2-690-120-SV-P-48-3-6

UL Listed pump Station complete with pump base, sch40 steel manifolds, isolation valves, close coupled pumps/motors, check valves and discharge flow meter. Standard MPC controls with single VFD drive and alternating contactors so each main motor may run XL or VFD. Built under ISO9001:2015 certification.

## **MPC Standard Controls**

- UL 508a Listed Control Panel
- Short Circuit Current Rating 100 ka
- NEMA 3R Enclosure
  - 3 Point Latch
  - Carbon Steel w/ Powder Coat Finish
- UL Listed heat exchanger
- 200-amp Main Fused Disconnect
- Type 1 Surge Protection w/status indicators
- Incoming Line Phase Monitor w/primary fusing
- PM Pump 5 HP
  - Class J fuses/block per contactor
  - AB Contactor w/1 AB SS OL per motor
- 2 Ea. Main Pump 40 HP
  - 1 Ea. Variable Frequency Drive w/high speed JKS fuse protection
    - 3 ½% DC Input Link Reactor
    - Door Mounted Keypad

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*Jim Carter*

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10661 Newkirk St.  
Dallas, TX 75220  
HQ 972.247.4440  
FAX 972.247.8991

#### Piping

- Sch40 Station piping
- 10" Station suction manifold
- 8" Station discharge manifold
- 4" Station flowmeter spool
- Hose Bibb connection
- Steel Grit blasting to SSPC-6 of station piping.
- NSF61 fusion bonded Epoxy powder coating of all piping 2" and above internal and externally.
- Piping 2" and below to be 304SS
- 1 Ea. spare ¾" – TOL's
- 6" HDPE Floating Intake, 20'Long, with Foot Valve



- 40 HP 6 Year Warranty on VFD which includes coverage against damages from momentary line or load anomalies such as lightning strikes.
  - Class J fuses/block per contactor
  - AB Interlocked Contactors w/1 AB SS OL per main motor
- AB compactlogix PLC Platform
- AB 10" Panelview +7 Color HMI
- Inhand Network Switch with Modem
- AB DC Power Supply
- AB "Full Size" 30 mm N4 Door Devices
  - Green Illuminated Switch per pump
  - System Switches: System Control, Low Discharge, VSD Bypass, PLC Bypass, Speed Pot and Red Illuminated Fault Push Button
- GFCI Outlet
- Control Power Transformer w/primary fusing
- Heavy Duty Vacuum Reprime System Controls with Door Switch
- Flow Signal Input: 4-20mA
- Lake Level Controls
  - HOA Selector Switch
  - PNR & Probes
- Fertigation Relay
- Safeties:
  - Loss of prime
  - High pump temp
  - Low discharge pressure shutdown
  - High discharge pressure shutdown w/auto restart
  - VSD fault with auto restart
  - Solid State Overload shutdown per motor
  - Phase Failure, Imbalance and low voltage protection
- Operation Features
  - Lamp Test Function
  - Automatic alternation of pumps based on least run time
  - Intelligent Slow Ramp feature for automatic line fill
  - VFD Bypass
- 10" Color Touch screen interface
  - 3 Year Flow Total Logging Day/Week/Month/Year
  - Pump Run Times
  - Event Log
  - Flow and Station Trending
  - Assignable I/O
- **MPC Remote Cell Monitoring w/1 Year Activation**
- **Remote pump station disable feature from any smart device or PC**
- **Factory support remote access to PLC/HMI and VFD for programming and troubleshooting**
- **nSite, MCI's Cloud Based Solution NO SUBSCRIPTION FEE**

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*Jim Carter*

- Scheduled monthly email with flow report in Excel format
- Access to one full year of pressure, flow, alarms and event data
- **nAlert**
  - Manage maintenance due dates for all aspects of maintenance on your pumping station.
  - Warning light, display message and email alert when due.
  - Monitor and report irregular operation of irrigation system, pump system and filter system.

#### **Instrumentation**

- SS Pipe Mounted Pressure Transducer with local indication LED display
- Heavy Duty Vacuum Reprime System Controls with Door Switch
- 4" Magnetic Flowmeter with local access display, flanged connections, PTFE liner and an accuracy of .5% of indicated value
- 4" Pipe Mounted Pressure Gauge/s w/316SS isolation ball valve

#### **Pumps**

- 2 Ea 40 HP close coupled end suction pumps, **(71.2% Efficiency)**, each rated for 345 GPM @ 292' TDH including station losses. To include;
  - Bronze Impellers
  - Steel Shafting
  - Mechanical Seal
  - 40 HP, 3600 RPM, 480/3/60, premium efficient, Horizontal Shaft Motors wired for motor space heaters.
- 1 Ea 5 HP Vertical Multistage Pressure Maintenance Pump

#### **Isolation Valves**

- 6" Station Discharge isolation butterfly valve w/lever operator, 316SS disc and EPDM elastomers, fusion bonded body, rated for 250PSI.
- 2", 4" and 6" Grooved Pump Isolation Valves with lever actuator.
- 2" and 4" Pump silent wafer check valves coated with fusion bonded epoxy and SS disc.
- 316SS threaded ball valves, 1.5" and below

#### **Relief Valves Standard**

- Fusion Bonded Epoxy Inside/Out w/ Bronze Trim
- ClaVal 50-01 2.5" station pressure relief valve with bronze trim, piped to suction manifold with Discharge isolation butterfly valve w/lever operator, SS disc, EPDM elastomers, fusion bonded body and cover plate air release ball valve

#### **Skid**

- Channel skid system
- Steel Grit blasting to SSPC-6 of station structural steel.
- PPG Enviroacryl Zinc epoxy powder coat Primer
- Poly Powder coated non-skid paint system

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