



# St. Johns River Water Management District

Michael A. Register, P.E., Executive Director

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DATE: June 7, 2023

TO: Prospective Respondents

FROM: Amy Lucey, Procurement Specialist

SUBJECT: Addendum #2 to Invitation for Bid, # 38804, Convert Submersible Pumps to Axial Flow Pumps at Pump Station 4.

Corrections: STATEMENT OF WORK, Section IV. TASK IDENTIFICATION, Page 43, has been revised as follows:

- ~~○ Reconnect wiring. Eliminate excessive cable prior to reconnecting.~~
- **Remove all existing rubber cords when the pumps are removed.**
- **Install schedule 80 PVC conduit from existing j-boxes to motors.**
- **Install new copper feeders to supply power to new motors.**
- **Install seal tight of 6' or less to motor j-boxes.**
- **Connect new motors.**
- **Run, check rotation, amps of new motors.**
- **Re-program soft starters if needed.**
- **Existing wiring shall be disposed by contractor.**

Attachments:

Page 43 revised Addendum 2

**NOTE:** The Bid Due Date remains 2:00 p.m., **Thursday June 15, 2023.**

Please acknowledge receipt of this Addendum on the Bid FORM provided in the proposal package.

If you have any questions, please e-mail me at [alucey@sjrwmd.com](mailto:alucey@sjrwmd.com).

- Deliver the pump removed from PS-4 and the two pumps being stored at the MWI Repair Facility to Contractor's fabrication shop.
- For each pump (three total):
  - The existing pump bowl assembly shall be utilized.
  - Sandblast and epoxy coat existing pump bowl assembly inside and out. Pump to be sandblasted to a near white finish and epoxy coated with 8-10 mils of Sherwin Williams Paint Dura Plate 235 or approved equal.
  - Machine and supply a pump shaft adequate to handle required horsepower.
  - Machine and supply a shaft enclosing tube which will include bearings, bearing housing, and sealing both top and bottom of tube.
  - Supply new 36" impeller that will produce 50,000 GPM @ 10.6 Total Dynamic Head (TDH)
  - Using refurbished pump bowl assembly, new pump shaft, shaft enclosing tube and impeller, fabricate new pump assembly.
  - Supply and install new horizontal adjustable belt tensioning motor base to accept electric motor.
  - Supply and install any onsite structural support for the new electric motor and belt tension system. Provide shop drawing of new configuration and support system for review and approval prior to construction.
  - Supply and install new 250 HP horizontal motor 1,200 revolutions per minute (RPM) Totally-Enclosed Fan-Cooled (TEFC) or approved equal.
  - Supply and install complete belt drive to include sheaves, bushings, and belts.
  - Supply and install new belt guard.
  - ~~Reconnect wiring. Eliminate excessive cable prior to reconnecting.~~
  - **Remove all existing rubber cords when the pumps are removed.**
  - **Install schedule 80 PVC conduit from existing j-boxes to motors.**
  - **Install new copper feeders to supply power to new motors.**
  - **Install seal tight of 6' or less to motor j-boxes.**
  - **Connect new motors.**
  - **Run, check rotation, amps of new motors.**
  - **Re-program soft starters if needed.**
  - **Existing wiring shall be disposed by contractor.**
  - Restart pump and conduct start-up. Each pump to run a minimum of 30 minutes at the design RPM for observation.
- Provide certified pump performance curves for each converted pump. The curve shall be stamped and certified by a Registered Professional Engineer employed by the pump manufacturer in the state where the pump is modified. The curve shall show the converted pump capacity, discharge head, speed, and horsepower requirement.
- Prior to shipment, the entire pumping system shall be factory tested at the pump manufacturer's place of business by a Registered Professional Engineer. Two representatives of the owner shall be selected to witness these performance tests.
- Ship the three converted pumps to the PS-4 site.
- Maintain maintenance access to the pump and electric motor through the existing aluminum bar grating deck. All modifications to the existing aluminum access walkway are the responsibility of the contractor.
- Provide all cranes necessary for the removal and installation of the pumps and motors.
- Install the converted pumps and motors in accordance with Figure 2.
- Do we need to require anything about start-up? I believe I saw reference to that earlier- if they need to do something with that or a shakedown period or anything- we need to identify that.
- Conduct final walk through with District and correct all deficiencies noted.
- Demobilize from site. The Contractor shall take care to protect all existing structures, roads, utilities, and other improvements from damage. Additionally, the Work will be considered complete only