Financial Management Department
Purchasing Division
1112 Manatee Ave W Suite 803
Bradenton, FL 34205
Phone: (941) 749-3074
www.mymanatee.org

Email
April 21, 2016

TO: All Interested Bidders

SUBJECT: Invitation for Bid #16-0698DC
Master Lift Station N1B – Dimminutor Replacement
ADDENDUM #2

Bidders are hereby notified that this Addendum shall be acknowledged on the Bid Form and made a part of the above named bidding and contract documents.

1. Bid Opening is extended to May 5, 2016 at 3:30 P.M., same location.

2. **Question:** Please confirm the estimated award and notice to proceed dates for this project.

   Response: It is anticipated that award confirmation for this solicitation to be within 30 days after Bid Opening date and for the notice to proceed to be issued within 14 days after award.

3. **Question:** Please confirm diameter of existing influent sewer and design max pumping capacity of the station. We are looking for 150% of the lift station capacity (GPM & TDH). Please confirm length of time pump station can be shutdown.

   Response: Diameter is existing influent: 30 inch PVC; the COS is 1,400 GPM @ 223 TDH, only 100% of the flow and TDH will be required for both pumps. As a requirement of Section 02720, a qualified individual shall be on site to provided 24-hr monitor of the by-pass system.; Shutdown time: if shutdown is done at night during low flows, approximately 2-3 hours are available before 6 am, may be extended by an hour if Contractor provided haul/vacuum truck(s).

4. **Question:** Please confirm when the pump station was last fully by-passed and where the bypass pumping point originated. Please confirm that the 8" bypass valve located in the valve vault is functional for bypass use.

   Response: The Master Lift Station was put on by-pass approximately 10+ years ago, current staff would recommend utilizing the existing manhole on 28th Ave E or a flow thru bag inside the wet well. The existing isolation valve and the by-pass riser valve have been exercised and were operational.

5. **Question:** Plan sheet 3 of 3 has a callout to "remove and install new spray liner...(+/-60 sf). Section 13350A, Wet well cleaning, page 72/86, refers to cleaning and Section 09970, Surface protection spray system, refers to the application of new coating. Please confirm the scope of Cleaning and Coating the existing wet wells (stairs, walls, floors, concrete divider, concrete slabs).

   Response: Section 13350A scope is limited to the general work areas, i.e. existing stairs, stairwell walls, railings, channels, stop gates, and existing grates. Section 09970 is for any replacement of the existing liner that is removed for the installation of the new access hatches, stop gates, and Dimminutor®.

6. **Question:** Please confirm approval to use the coating system "IET".

   Response: Approved materials are listed in Section 09970.2.02.

7. **Question:** The lift station has an extremely high level of hydrogen sulfide gas. Please confirm that the existing ventilation system is designed and functional to sufficiently exhaust and provide clean air that is compliant with OSHA and will provide a safe working environment during construction.

   Response: Yes.

8. **Question:** Plan sheet 3 of 3 has a callout to "remove existing hatches and replace with recessed, gas tight, aluminum access hatch. Please confirm OEM that was used as basis for design including Model number, options such as orange safety grating, etc. Please confirm intent is to F/I a "retrofit" type frame and cover that can be installed in a precut opening. Please confirm quantity is one intended for area above new comminutor.

   Response: A shop drawing of an aluminum access hatch from a previous rehab has been provided for comparison. The County is requiring a new aluminum access hatch to be installed with an opening that is at least the minimum size of the existing opening that will allow the proposed Dimminutor® to pass through. Means and method to properly install the access hatch is up to the awarded contractor. The County is requiring one aluminum access hatch to be installed above the existing Dimminutor® location.

9. **Question:** Regarding plan sheet 3 of 3, please confirm Stop Gate System OEM that was used as the basis of design. (reference page 77/86, 2.03-A)

   Response: Stop gates are to be fabricated as per the provided detail. Similar alternative may be considered during the shop drawing review process.

10. **Question:** Regarding the bypass pumping system, please confirm that the Contractor may utilize (tie-in) existing power coming into the lift station and electrical costs to operate electrical primary pumps during bypassing will be paid for by the County. If the County will not pay for electrical costs please provide information on 6 months of previous electric bills for periods between May and October.

    Response: The by-pass pumping system may utilize the existing power at the MLS and be paid for by the County.

11. **Question:** Regarding page 77/86, 2.02-A and B, request that plan sheet 3 of 3 be amended to include a "scale" and identify the structural fiberglass scope (grating and guardrail).

    Response: Section 16108 Miscellaneous Equipment, 2.02 has been removed from the specification and the remaining items renumbered. There is no proposed fiberglass work in MLS N1B project.

12. **Question:** For the bypassing of this station the duty points of 1,400 gpm @ 223' TDH is on the front cover of the plans. Is this the correct duty point and if not please provide the correct one?

    Response: The MLS was designed to handle a peak flow of 1,400 gpm @ 223 TDH.

13. **Question:** What is the line pressure of the existing force main?

    Response: The current range of the existing force main pressures are 32 to 50 psi with an average of 41 psi.

14. **Question:** Will this project require the use of pumps capable of 150% of the design point?

    Response: No. 100% of the flow and TDH will be acceptable for both pumps. As a requirement of Section 02720, a qualified individual shall be on site to provide 24-hr monitor of the by-pass system.

15. **Question:** From Haliday Product, "Unfortunately, we do not have a gas tight door, we only have odor resistant".

    Response: Water-tight access hatches are acceptable.

16. **Question:** Please confirm force main pressure at peak flow conditions.

    Response: The maximum pressure recorded in the last two week was 54 psi.

If you have submitted a bid prior to receiving this addendum you may request in writing that your original, sealed bid be returned to your firm. All sealed bids received will be opened on the date stated.

Bids will be received at Manatee County Purchasing, 1112 Manatee Avenue West, Suite 803, Bradenton, Florida 34205 until **May 5, 2016 at 3:30 P.M.**

Sincerely,

Melissa M. Wendel, CPPO
Purchasing Official

/dcr
Attachment: Section 16108 Miscellaneous Equipment

SECTION 16108 MISCELLANEOUS EQUIPMENT

PART 1 GENERAL

1.01 SCOPE OF WORK

A. Furnish and install comminutor called out.

B. Replace all fiberglass floor grating panels

C. Replace all stair, handrail, tread, or other structural fiberglass shapes as needed and directed by County.

D. Replace channel stop gates and stop gate guides.

PART 2 PRODUCTS

2.01 COMMINUTOR

DM-T15 TURBO DIMMINUTOR ® OPEN CHANNEL COMMINUTOR

1. Heavy-Duty Ductile Iron Body Housing, Cantilevered Drive, Stainless Steel Stationary Screen, “Clear-Slot” Screen Clearing; Mechanical Seal – located above cutters; Harden Stainless Steel Stationary and Rotary Cutters; Oil Bath Spindle Lubrication; All Hardware to be 316 Stainless Steel; blast clean and two coats (5 mil per coat) of Tnemec Series 69 Hi-Build Epoxoline II epoxy paint coated ductile surfaces; Sealed Gear Reducer, (1)-3 HP Explosion Proof 230v/460v/3ph/60hz Submersible Electric Motor w/ 60' of Internal Power Cable & 316 SS Lift Bail.

2. One (1) CF3000 Channel Frame, 316 Stainless Steel.

3. One (1) Model S25060 Automatic Reversing Controller in NEMA 4x Fiberglass Enclosure accepting 230v/460v/3ph/60hz Input Power, includes IEC Starters w/ overcurrent protection, jam-sensing current transformer, and micro-PCL with auto reverse.

2.02 CHANNEL STOP GATE

A. Channel stop gate assembly shall consist of a support/guide rail system embedded in the channel wall and a stop gate panel that can be raised or lowered within the flow channel to stop the flow.

B. The gate shall be constructed of aluminum panel with appropriate structure and stiffeners to handle the hydraulic loading of holding back full channel flow. Gate shall have both a handle and a lifting bale for a hoist to slide it up the guides far enough to open the full channel width and depth. The gate does not need to stop the flow 100% so shall not include rubber seals, flaps, or gaskets.

C. The imbedded guide system shall be constructed of 316 stainless steel and anchored to the concrete in addition to the embedment. The guide channel opening shall provide adequate clearance to maximize ease of lifting without binding. Synthetic full length pads may be included to decrease the force required to lift the gate when under full flow loading.

D. The detail shown on the drawings is an example only, actual design shall be submitted and approved prior to installation.

PART 3 EXECUTION
(NOT USED)

END OF SECTION