



CITY OF PORT ORANGE

PURCHASING DIVISION
 1000 CITY CENTER CIRCLE
 PORT ORANGE, FLORIDA 32129
 TELEPHONE 386-506-5704
 FAX 386-506-5711
purchdiv@port-orange.org

ADDENDUM NO. # 4

November 08, 2019

ITB 19-17 Virginia Monroe Stormwater System

To All Bidders:

The following changes, clarifications and additions are hereby made part of the bidding and specifications for the above referenced project dated October 2, 2019 and prepared by the City of Port Orange Purchasing Division as fully and completely as if the same were fully set forth therein. It is the sole responsibility of bidder to confirm that all addenda have been received prior to submitting bid and acknowledge such in the bid documents.

A. CLARIFICATIONS:

- Per Addendum #3 - Bid opening has been reschedule to 11/20 2:30PM
- Additional questions need to be submitted by EOB 11/12. Addendum #5 posting 11/13

B. CHANGES TO SPECIFICATIONS:

1) Revised SHEET C-108

"SHEET C-108 REV PER ADDENDUM 4 11.08.2019"

2) Revised Schedule of Unit Pricing sheet

"Revised 11.08.2019 ATTACHMENT 1 SCHEDULE OF UNIT PRICING ITB 19-17 VIRGINA MONROE Final Rev per Addendum 4"

Reason for change: add additional LF of 18" PVC pipe needed for the changed to sheet C-108

3 Construct Stormwater Force Main with all joints restrained (PVC C900)	
a) 10-inch (Re-circulation)	130
b) 18-inch	465

C. QUESTIONS AND ANSWERS:

Question 1:

Please review the following RFI for bid ITB 19-17 Virginia Monroe Stormwater System.

- 1) Stated for both stations in electrical plans E-1 - The interrupt rating for the main breaker is specified at 35,000AIC. Does the panel need to be rated for 35,000AIC? Our typical for Port Orange is a fused disconnect with J style fuses and a rate the control panel for bleed through of the fuses typically 18k.
- 2) Plans E-131 and E-701 Monroe Pump Station – XFRM 480-120/240 Shown internal to new pump control panel to power existing LS panel. Would it be possible to provide a 2 pole 480 breaker in the new control panel, feed out of the panel a 480V 30AMP feed over to the existing panel and add the step down XFRM and disconnect at that point rack mounted. Cuts down on heat internal to the new panel and reduces wire size between the new and existing control panels.

Answer

- 1) Providing 18KAIC Rated Main Circuit Breaker and Panel is acceptable
- 2) Providing a 2-Pole 480V circuit breaker in the control panel, feeding to a transformer exterior to the panel and on to the existing lift station control panel is acceptable. The transformer shall be in a NEMA 3R enclosure. The secondary of the transformer shall have a ground connection tied to the main service ground.

Question 2:

Please review the following RFI for bid ITB 19-17 Virginia Monroe Stormwater System.

Bid Sections State the following:

133000 Part 1 General – 1:01 D PICS Sanders Company, Inc.

133100 Part 1 General - 1.01 A Furnishing, installation, and testing of various field elements and panels to be supplied with the PICS (Sanders Company, Inc.)

Plans Electrical State the following”:

E-501 Note 1- “Panel by Pump Supplier”

E-701 Note 7- “Panel by Pump Supplier” and bullet (2) Interconnect panel states “Supplied by Pump Supplier”

Our intent was to bid (per specifications) the complete panel directly to contractors. This conflicts with the Electrical Plan sections above. Please clarify intent.

Answer

Sanders Company, Inc to provide the pump control pane. Disregard the notes on electrical sheets that state “Panel by Pump Supplier”.

Question 3a:

Per Page 01 02 50 – 4, 2.12 – Furnish and Install Backflow Prevention Device, Bid Item B9. It is our understanding that the decision made for the choice of “backflow devices” was made due to two power point presentations. Currently the Backflow Prevention Devices are sole sourced Wapro. Fluid Control Specialties represents Tideflex Technologies. Since 1953 Tideflex Technologies, a division of Red Valve, has become the World standard for maintenance-free backflow prevention. **Is it Port Orange’s intention to limit competition, creating the potential for over inflated pricing, and sole source Wapro on the Multiple Sizes of Backflow Prevention Devices?**

These are bid items #9 - a, b, c and d.

Answer 3a

The City has identified Wapro as the preferred vendor for the proposed backflow devices on this project, they are not sole sourced. If a contractor wishes to propose an alternate vender to be considered as an approved equal, they should do so in accordance with the Schedule of Major Manufacturers and Suppliers provided with this addendum. Pay special attention to the fourth paragraph in **bold** as to how to propose an alternate vendor and how bids will be considered with respect to alternate vendors.

Question 3b:

Per Page 01 02 50 – 4, 2.12 – Furnish and Install Backflow Prevention Device, Bid Item B9. Fluid Control Specialties represents Red Valve Company. Since 1953, Tideflex Technologies, a division of Red Valve, has become the World standard for maintenance-free backflow prevention. We would like to ask for your consideration for inclusion of the Red Valve Checkmate Ultraflex Slip-in Check Valve as an equal product for the Backflow Prevention Devices on the Port Orange Virginia Monroe Stormwater System project. These are bid items #9 - a, b, c and d.

Answer 3b Same as above

Question 4:

Is there a list of plan holders?

Answer

Plan holders can be found in Demand Star

Question 5:

I cannot find the "Schedule of Major Manufacturers and Suppliers" that was to be attached to Addendum No. 1. Please advise where I would be able to find that document

Answer

SCHEDULE OF MAJOR MANUFACTURERS AND SUPPLIERS

The equipment manufacturers/suppliers on this project shall be as delineated in the following schedule. Bidders should note that the Owner and Engineer have made rigorous investigations of equipment performance and features, and as result, Bidders are to note that the contract price for this project shall be based on Base Bid equipment. The Base Bid equipment for this project falls under one of two categories.

Category I is equipment that the Owner and Engineer have determined will be supplied by a Single/Sole source of supply, for which no substitutions or alternates will be entertained or allowed. Bidder is advised to not offer any alternatives to the Single/Sole source supplied equipment.

Category II is equipment that includes those items where the Owner and Engineer deem that there may be more than one acceptable supplier of the particular item listed (Approved Equal). Bidder is advised that the award of this Contract will be based Solely on the use of Base Bid equipment.

Provisions are made in the Contract Documents for alternate manufacturers and suppliers whose equipment or product may be deemed equivalent in quality. The Bidder must indicate in their Bid which supplier they intend to use for each item of equipment listed by circling either the supplier/manufacture listed as "A" or Approved Equal listed as "B".

If the Bidder requests to propose one or more alternate manufacturers/suppliers, they shall write in the name of such alternates in the spaces provided on the Alternate Manufacturers/Suppliers page following the schedule. Bidder's Bid price must be based upon this Base Bid list. Wherever an alternate supplier is proposed, the bidder must insert the amount to be deducted from the Contract Price (either lump sum or unit price) if the alternate manufacturer/supplier is eventually approved. If the proposed alternate manufacturer/supplier is determined "not equivalent" by the Owner or Engineer, the Bidder shall use the manufacturer/supplier listed.

For any alternate supplier accepted by the Owner, the Contract Price will be reduced for the deductive amount stated in the Bid. However, the Contract Price will not be adjusted for any alternate supplier rejected.

Each proposed alternate will be evaluated in accordance with the Technical Specification. The deductive amount specified for alternate manufacturers/suppliers will not be used in determining the successful Bidder. Alternates will be considered only after award of the contract.

The Contractor shall reimburse the Owner for any costs directly attributable to the change in suppliers, such as additional field trips for the Engineer, additional redesign costs, additional review and inspection costs, etc.

The Owner may request, and the Bidder shall supply, complete information on proposed alternates prior to the Notice of Intent to Award.

Category I –SINGLE/SOLE SOURCE EQUIPMENT ITEMS

ITEM NO.	EQUIPMENT ITEM OR MATERIAL	SPECIFICATION SECTION NO.	MANUFACTURER / SUPPLIER
1	Insertion Valve	15 10 00	Team Industries
2	Instrumentation and Controls Integrator	13 30 00	Saunders Company
3	Remote Terminal Unit	13 31 00	SCI-Text
4	Control Panel for Submersible Pumps	11 32 00a	Saunders Company

Category II –SCHEDULE OF BASE BID MANUFACTURERS/SUPPLIERS

ITEM NO.	EQUIPMENT ITEM OR MATERIAL	SPECIFICATION SECTION NO.	MANUFACTURER / SUPPLIER
1	Submersible Pumps	11 32 00a	A. Flygt B. Approved Equal
2	Backflow Preventor – drainage	NA	A. Wapro B. Approved Equal
3	Line Stope	15 10 00	A. Hydra-Stop B. Approved Equal

[Remainder of this page left intentionally blank]

ALTERNATE MANUFACTURERS/SUPPLIERS

EQUIPMENT ITEM OR MATERIAL	<u>SPEC. SECTION</u>	<u>ALTERNATIVE MANUFACTURER / SUPPLIER (LIST ONE ONLY)</u>	DEDUCTIBLE AMOUNT (indicate whether lump sum or unit price) <u>ALTERNATE</u>
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____

[Remainder of this page left intentionally blank]

Question 6:

Directional Drilling:

The bore crossing Ridgewood with a compound curve then continuing down Meeker violates directional drilling best practices. Directional bores should have only two curves: 1. gradual curve from a down angle to flat, 2. gradual curve from flat to an up angle. This becomes more important as the pipe diameter increases and the bores get longer. A significant percentage of the power of the drill is required to overcome the capstan effect of the two curves. Adding two more sharp curves more than doubles the capstan effect by a significant amount. As the drill pulls harder to overcome the resistance the reamer will eat into the sides of the curves. One likely result is that the pipe will get stuck because it is not following the pre-reamed tunnel. If the pipe doesn't get stuck, the curves will straighten out and leave a void where the pilot bore originated. The installed pipe will no longer actually be in the intended horizontal location. In the Ridgewood / Meeker scenario, the pipe will likely be outside of the right of way and/or easement or stuck with a void under Ridgewood.

One solution is a Jack & Bore under Ridgewood, continue South with a small section of trenching to Meeker, then East with a straight directional bore from the East side of Ridgewood to the end of Meeker.

Answer

See revised sheet C-108 ("**SHEET C-108 REV PER ADDENDUM 4 11.08.2019**")

See revised Bid Form ("**Revised 11.08.2019 ATTACHMENT 1 SCHEDULE OF UNIT PRICING ITB 19-17 VIRGINIA MONROE Final Rev per Addendum 4**")

David Van Valkenburgh CFCM, C.P.M.
Purchasing Agent

In all other respects, except as specifically stated herein, the subject ITB 19-17 remains unchanged.

END OF ADDENDUM NO. #4