

December 11, 2019

ADDENDUM #1

IFB 20-11 PINEY BRANCH STREAM RESTORATION - CONSTRUCTION

*******ATTENTION BIDDERS*******

(To be completed and returned with bid response)

Note: *A Revised Bid Form is attached. Use this form when submitting your bid.*

The Plan Set on the Town's Webpage has been update to reflect any changes.

<https://www.viennava.gov/index.aspx?NID=1271>

Question 1: Can you confirm that the max flow is 14cfs and the minimum flow is 4cfs for the pump around? Also, in regards to that, does this fall into a 100 year floodplain and will we have to account for that in regards to the pump around?

Answer 1: Neither of the flow values listed are correct. The contractor will be responsible for accounting for the flow conditions when work is being performed. Base flow can fluctuate seasonally and with local weather patterns, therefore it is the contractor's responsibility to use an adequate pump system based on current flow conditions during the work period. For general estimation purposes, a typical pump size is based upon 2 x Baseflow. Baseflow can be estimated as 500 GPM per square mile drainage area (500 GPM x 1 sq. mi. x 2 = 1,000 GPM).

Question 2: Will the max flow include flow from the two separate storm lines? Will we need to account for that with the pump around?

Answer 2: The contractor will be responsible for accounting for flow coming from the entire contributing drainage area to the pump around.

Question 3: What are the sound requirements for the pump around?

Answer 3: See Specifications, Section 07 Pump Around/Diversion Pipe/Dewatering, 2E.

Question 4: Is there a standard set for the clarity of water at the discharge point?

Answer 4: Contractor shall follow the guidelines set forth in the Virginia Erosion and Sediment Control Handbook.

Question 5: Do line items 11 - Excavation (On-Site) and 12 - Earthwork (Haul and Dispose off-site) include excavation to subgrade for the installation of structures, or is that excavation and haul off incidental to the installation of the structures?

Answer 5: Earthwork values do not include excavation to subgrade for the installation of structures and that excavation and haul off would be incidental to the installation of the structures.



Question 6: Are the plantings for the slit trenches incidental to item 28 - Furnish and Install Slit Trenches, or are the plants part of line item 25 - Furnish and Install Live Stakes?

Answer 6: The plantings for the slit trenches are incidental to item 28 – Furnish and Install Slit Trenches.

Question 7: Item 10 - Temporary Access Path is a Lump Sum item, but the measurement and payment section in its description refers to measurement by the SY. Please clarify. Additionally, limits of the Temporary Access Path do not seem to be demarcated on the plan, and there does not seem to be a detail for this item. Are there specific places the path must be installed?

Answer 7: Noted, the payment for the temporary access path should be a lump sum item. Within the project site, it is up to the contractor's discretion to install the temporary access path and properly repair and stabilize after usage. There are no timber mats required for access, and contractor can use woodchips from chipping trees removed on-site.

Question 8: Item 13 - Furnish and Place Topsoil (6") is a Square Yard item, but the measurement and payment section in its description refers to measurement by the CY. Please clarify.

Answer 8: Noted, the payment for the furnish and placement of topsoil should be square yard.

Question 9: For Item 21 - Furnish and Place Rock Vanes is the riffle substrate backfill incidental to the structure?

Answer 9: Yes.

Question 10: For Item 20 - Furnish and Place Log Vanes, is the riffle substrate backfill incidental to the structure?

Answer 10: Yes.

Question 11: Both Furnish and Place Rock Toe and Furnish and Place Toe Wood are labeled Item 22.

Answer 11: Noted, the number has been corrected on the bid form. Furnish and Place Toe Wood is now Item 22a.

Question 12: Is Item 22 - Furnish and Place Rock Toe to align with the Rock Revetment detail on the plans, or is the Rock Revetment a missing line item?

Answer 12: The rock toe is referring to the Rock Revetment Detail. For consistency, the detail on Sheet 35 has been renamed Rock Toe Revetment and Line item 22 now reads – Furnish and Place Rock Toe Revetment.

Question 13: For Item 22 - Furnish and Place Toe Wood is the select gravel backfill, soil stabilization matting, select soil backfill, live stakes, and bare root plantings incidental to the structure?



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Answer 13: Yes.

Question 14: Is temporary stabilization incidental to any particular line item?

Answer 14: No, temporary stabilization is incidental to multiple line items.

Question 15: Can you please clarify the locations of the Tributary Outfall Protection and the Storm Sewer Protection for Items 29 and 30?

Answer 15: The storm sewer protection is for the 3 outfalls shown on Sheets 20 and 21. There are 3 tributary outfalls, and these details are shown on Sheet 40. The tributaries are located on Sheets 17 and 19. On Sheet 17, there is an incoming tributary (Tributary #1) into the plunge pool (approximate Station 10+12.23) and a tributary (Tributary #2) into the second cascade riffle (approximate Station 11+72.77). On Sheet 19, a tributary (Tributary #3) flows into the first cascade riffle (approximate Station 19+30.21).

Question 16: Can we use limestone for imbricated stone?

Answer 16: Per the Specifications – Section 14 Rock, Granular sedimentary rock shall be unacceptable, and all rock shall be of igneous or metamorphic origin.

Question 17: How do we get paid for removing concrete/asphalt/rubble debris?

Answer 17: Per the Specifications – Section 14 Rock, Concrete shall not be considered as an alternative for rock accept in cases where existing concrete is harvested from the existing channel bed and approved by the Town of Vienna and is buried 2.5 ft below the bed and banks. The concrete, rubble debris can be buried below the bed and banks and not removed from site. The removal of asphalt is part of line item number 3 – Demo of Ex. 15" RCP, storm structure, end section, chain link fence, and asphalt road.

Question 18: How do we get paid for salvage items such as existing riffle?

Answer 18: Salvaging existing bed mix is incidental for constructed riffle with logs and cascade with boulder steps and logs.

Question 19: Is the structural excavation included in the grading quantity?

Answer 19: See Answer #5 above.

Question 20: We found Five - "Rock Cascade Rifle Structures" on the stream. We found the details for "Rifle with Logs" and "Cascade with Boulders" on the drawings. But, both have log rollers and not match with the plan view. Can you give us the correct details for Rock Cascade Rifle Structures?

Answer 20: *The only riffle structures are “Constructed Riffle with Logs” and “Cascade with Boulder Steps and Logs”. We have adjusted the plan view legend on Sheets 17, 18, and 19 to remove “Rock Cascade Riffle” and replace with “Cascade with Boulder Steps and Logs”.*

Question 21: When is the anticipated NTP date?

Answer 21: *Anticipated NTP is late Winter / early Spring 2020.*

Question 22: Please release a geotechnical report.

Answer 22: *A geotechnical report is not available for this project.*

Question 23: Is it correct to assume that on-site cut suitable for reuse as fill? *Please note that exporting all cut to import all fill (if on-site soils are not suitable for reuse) would constitute a significant increase in price if this was not accounted for in the engineer’s estimate. It also appears that there is no current line item that, in the “measurement and payment” section, specifically includes importing fill.*

Answer 23: *Correct, it is assumed that on-site cut will be suitable for reuse as fill. Per the Specifications, SECTION-13 REGULAR EXCAVATION, STRUCTURAL FILL (OR EARTHWORK), Select earth fill material shall consist of material obtained within the limits of the project and used to raise the site elevations to those specified in the grading plan.*

Question 24: How many lifts per toe wood do you intend to have?

Answer 24: *The number of lifts required to meet the proposed bank height. Per the note on Sheet 36, lifts shall be no greater than 8”.*

Question 25: Will each cascade riffle structure have logs in them?

Answer 25: *The “cascade riffle” refers to the “Cascade with Boulder Steps and Logs” (this name has been changed on the plan view legend on Sheets 17, 18, and 19 to remove “Rock Cascade Riffle” and replace with “Cascade with Boulder Steps and Logs” for consistency). Per the detail on Sheet 31, all the “Cascade with Boulder Steps and Logs” have log rollers.*

Question 26: Will all constructed riffle have logs in them or just where it specifically points out constructed riffle with logs on the plan and profile?

Answer 26: *Per the detail on Sheet 30, all the “Constructed Riffle with Logs” have log rollers. On the profile sheets, a reference to “CASCADE RIFFLE” = “Cascade with Boulder Steps and Logs” and “CONSTRUCTED RIFFLE” = “Constructed Riffle with Logs”*



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Question 27: Can you please clarify the material intended to be used for the point bar?

Answer 27: Per the Specifications, SECTION-13 REGULAR EXCAVATION, STRUCTURAL FILL (OR EARTHWORK), Select earth fill material shall consist of material obtained within the limits of the project and used to raise the site elevations to those specified in the grading plan. Per the Pool in Bend Detail on Sheet 24, the point bar should be supplemented with existing bed material.

ALL OTHER TERMS, CONDITIONS, AND SPECIFICATIONS SHALL REMAIN THE SAME.

A copy of this signed addendum must accompany your response as an acknowledgment of its receipt:

NAME AND ADDRESS OF VENDOR:

PHONE #: _____ EMAIL: _____

NAME OF AUTHORIZED REPRESENTATIVE:

Please Print

SIGNATURE: _____ DATE: _____

Sheet	Change(s)
1	Updated several of the Sheet Titles in the Sheet Index
5	Updated Key Note #2 dealing with fence removal
6	Updated Key Note #2 dealing with fence removal. Added call for contractor to remove abandoned sewer pit (Key Note #8). Called for additional asphalt area removal, revised note to select additional square footage (Key Note #7).
8	Adjusted the construction entrance and added Note #5.
9	Shows proposed fence and gates and also the adjusted cascade riffle near the end of the project.
10	Revised Geometry plan to reflect changes to Length 9 and Curve 10
11	Updated Cross Section line locations and labels for 20+93.52 to 21+23.26
16	Added ex. Sanitary sewer crossing to section views, updated section labels
17	Updated legend and call out to match detail name - Cascade with Boulder Step and Logs
18	Updated legend and call out to match detail name - Cascade with Boulder Step and Logs. Added proposed fence and gates and Key Note #2.
19	Updated legend and call out to match detail name - Cascade with Boulder Step and Logs. Added proposed fence and gates and Key Note #2.
22	Adjusted Zone 1 (Streambanks)
23	Adjusted planting schedule
24	Adjusted planting pool section details
29	Updated Cross Vane Structure Table
31	Renamed Sheet Title
35	Adjusted text to say Rock Toe Revetment