



MORIN BUILDING
 8570 EXECUTIVE PARK AVENUE
 FAIRFAX, VIRGINIA 22116-0815

Monday, September 30, 2024

To: All Prospective Bidders

Issued by: David Webb C.P.M., Procurement Program Supervisor

Subject: Addendum 2 to IFB 24-214 –Reston and Popes Head PS Electrical Upgrades

The purpose of this addendum is to make revisions to the IFB.

I. Additions, Deletions, Corrections, and Revisions to the IFB

Reference Drawing (ex. A-101) or Spec Section (ex. 00400)	Comment:
Specification Section 00500	Delete article 5.1 of Specification Section 00500-Agreement, and replace with following: “The Contractor acknowledges and agrees that time is of the essence with respect to completion of the Work. The Contractor will commence performance of the Work in accordance with the Notice to Proceed and will achieve Beneficial Use in accordance with the following constraints: <ul style="list-style-type: none"> • Constraint 1: Beneficial Use of the Reston Pump Station Upgrades will be achieved on or before December 31, 2027. • Constraint 2: Beneficial Use of the Popes Head Pumping Station Upgrades will be achieved on or before December 31, 2028. The Contractor will achieve Final Completion within 60 calendar days after the date of Beneficial Use of the Work.”
Popes Head PS Specification Section 00010	Delete the following from the appendices: “Appendix B-Responsible Land Disturber Forms (To be added as applicable)”
Reston PS Specification Section 15105, Part 2.3.K	Delete: Furnished by the Manufacturer, and replace with the following: “Furnished by the motor Manufacturer.”
Reston PS Specification Section 16010	Delete Paragraph 1.17 D.1. and replace in its entirety with the following:

	<p>“Furnish and install conduit materials for primary underground service to utility transformer.”</p> <p>Add Paragraph 1.17 D.8 – “Remove existing utility transformer.”</p> <p>Delete Paragraph 1.17 E. 2. in its entirety.</p>
Popes Head Specification Section 16131	<p>Delete article 1.01.A.3 of Specification Section 16131-Rigid Conduits, and replace with the following:</p> <p>“Use PVC-coated rigid steel, aluminum or schedule 80 PVC conduit for exposed interior or exterior conduit runs in hazardous, wet, and corrosive locations.”</p>
Popes Head PS Building Permit	See IFB 24-214-Addendum No. 2-Appendix A
Pump Station Motor Nameplates	See IFB 24-214-Addendum No. 2-Attachment A-Pump Station Motor Nameplates.

II. Questions. Fairfax Water official responses are provided in *Italics*:

#	Question:	Answer:
1	When is the NTP expected to be issued.	<i>The contract package for the apparent low bidder is anticipated to be presented to the Fairfax Water Board for approval at the earliest scheduled meeting after bids have been determined to be responsive and responsible, tentatively October 24, 2024. Contract execution is contingent upon the Contractor getting the required contract bonds and insurance. Notice to Proceed will be soon after contract execution.</i>
2	Please confirm that no fire alarm work is required.	<i>No fire alarm work is required.</i>
3	Is there a wage scale requirement on this project?	<i>There are no wage scale requirements on this project.</i>
4	Are there any Buy America or similar requirements on this project?	<i>There are no Buy America or similar requirements for this project.</i>
5	Please confirm that the existing PLC panel is the only item in the pump stations that needs to be continuously powered throughout the shutdown periods.	<i>Refer to Specification Section 01140-Limitation of Sequence of Construction.</i>
6	Please confirm that the intent for Popes Head is for the contractor to be responsible for removing the existing incoming cables from the utility pole to the transformer, and for installing and connecting the new incoming cables to the new transformer, and that the utility is only responsible for disconnecting the old cables and	<i>Confirmed. Contractor is also required to provide terminations for cables. Utility will land terminated cables at the pole. Contractor will not be required to work inside the utility approach distance.</i>

	connecting the new cables at the existing utility pole.	
7	Is this project tax-exempt	<i>Refer to Article 22 of Specification Section 00700 – General Conditions.</i>
8	It appears that the intent for Reston is that the utility furnishes the primary side conduits for installation by the contractor. Please provide the size and type of the conduit, and the quantity to be installed by the contractor, as no connection point is identified on the drawings.	<i>Dominion Energy will be responsible for the installation of primary feeders for the transformer. The Contractor will not be responsible for primary conduit installation. See amendment to Specification Section 16010 in Section I, above.</i>
9	Please confirm that the removal of the existing utility transformer at the Reston location will be accomplished by the utility.	<i>Confirmed. Dominion Energy will remove existing transformer. See amendment to Specification Section 16010 in Section I, above.</i>
10	Is any temporary heating/cooling required for the pump stations during the shutdowns?	<i>Environmental controls shall be provided to maintain environmental requirements according to manufacturer's written instructions for all equipment to prevent damage during the shutdowns or when normal means of environmental controls are not available during construction.</i>
11	Are any interior areas of the pump stations classified as wet, corrosive, or hazardous locations?	<i>(Popes Head PS) No. See Area Classification on Drawing E01.</i>
12	Are any exterior areas of the Reston pump station classified as corrosive or hazardous locations?	<i>There are no corrosive or hazardous exterior areas at the Reston PS.</i>
13	Is the entire interior area of the Reston pump station to be considered "damp"?	<i>Yes. The entire interior area of the Reston PS shall be considered 'Damp'.</i>
14	Can you provide a planting window for the new trees shown on sheet C-5?	<i>Plantings shall meet the warranty requirements of the project, and it is the Contractor's responsibility to determine the planting window.</i>
15	There is no guideline in the conduit spec for what type of conduit to install in "damp" areas. For the purposes of conduit installation, is "damp" to be considered the same as "wet"?	<i>(Reston PS) Select conduits per Table 16131-1 Conduit Selection Guidelines. (Popes Head PS) "Damp" areas are not defined in drawings (only wet and dusty). See table on E01 for area classifications. Section 16131 Rigid Conduits defines the conduit type required for a given area classification.</i>
16	IMC is listed as allowed in the Popes Head building for interior exposed in non-corrosive areas. IMC is not listed in the Reston spec. Is IMC allowed in the Reston building?	<i>Select conduits per Table 16131-1 Conduit Selection Guidelines.</i>

17	PVC Schedule 80 is listed in the Reston spec as allowed for corrosive areas. Is PVC-80 also allowed at the Popes Head location?	<i>See amendment to Specification Section 16131 in Section I, above.</i>
18	Is aluminum conduit acceptable for exposed indoor conduit runs in non-corrosive areas, for either Reston or Popes Head?	<i>(Reston PS) Select conduits per Table 16131-1 Conduit Selection Guidelines. (Popes Head PS) Please refer to Article 1.01.A.3 of Specification Section 16131 for conduit type at various environments.</i>
19	We have the following questions related to Contract Line Item #2G: <ul style="list-style-type: none"> a. What type of conduit is required? b. Is anything other than conduit to be included in this price, such as wire, drag line, etc.? c. Please confirm this is intended to be underground conduit only, not above-ground or interior. d. Please confirm this does not include any excavation, concrete encasement, backfill, etc., this is for the conduit only. e. Please confirm this is a per-linear-foot price for a single run of conduit only, not multiple conduits run together. 	<i>If the existing service conduit at Popes Head has been compromised or the existing service cable is unable to be removed, all or part of the conduit system will need to be replaced.</i> <ul style="list-style-type: none"> a. <i>Direct buried Schedule 80 PVC.</i> b. <i>All conduit, couplings, long radius fittings (radius = 24" minimum for 4" conduit), glue, sand or rock dust, and installation shall be included.</i> c. <i>To provide an accurate cost for replacement of all or part of the service conduit, provide:</i> <ul style="list-style-type: none"> 1. <i>Average installed conduit installation cost per ft for complete service conduit replacement excluding mobilization.</i> 2. <i>Mobilization for open trench section.</i> 3. <i>Mobilization for core drill under roadway.</i> 4. <i>Provide cost for complete service conduit replacement if different from the sum of the above three values.</i> d. <i>Cost shall include complete installation of conduit including trenching, 3" of sand or rock dust encasement, and backfill. Cable installation is already included as part of the contract documents.</i> e. <i>Only one 4" conduit is required to provide service to the Popes Head pump station.</i>
20	Is Schneider Electric (Square D) an acceptable manufacturer of the MV RVSS, at both Reston and Popes Head?	<i>(Reston PS) Refer to Specification 16293. (Popes Head PS) Specification Section 16349, Article 2.02.A specifies the approved manufacturers and allows for an approved equal. Determination of approved equal will not be performed until a contract is awarded and shop drawings are submitted to Engineer to determine if materials and equipment meet the requirements of the Project Manual's specifications.</i>
21	Are any other manufacturers acceptable for the VFD's at Reston besides Rockwell?	<i>Rockwell is the only acceptable manufacturer of the Variable Frequency Drives for Reston Pump Station.</i>
22	The Popes Head MV Switchgear spec calls for front-accessible gear. To our knowledge, Eaton is the only manufacturer that can meet the spec requirements for that. Is an alternate	<i>An alternate design or method of achieving the project intent is not acceptable for switchgear or any other components specified in the project drawings and specifications.</i>

	manufacturer with alternate designs or methods of achieving the project intent acceptable?	
23	Reston Spec Section 16010, Paragraph 1.15.A calls for NEMA 4X enclosures in all areas designated “damp” or “wet”. The Reston Pump Station is noted as a “damp” area on E-8. The panel schedules for PP-1 and LP-1 show a NEMA 12 enclosure. Spec Section 16243, Paragraph 2.1.K calls for a NEMA 1 enclosure for the switchboard, and Section 16246, Paragraphs 2.2.D.1 and 2.6.D call for NEMA 1 and NEMA 4X, respectively, for the panelboards. Please confirm the enclosure types required in this pump station.	<i>Provide NEMA 1 enclosure for Switchboard. Provide NEMA 12 enclosures for PP-1 and LP-1. Boxes and enclosures around the pump and piping areas shall be NEMA 4X.</i>
24	Does Fairfax Water have a previous drawing or submittal of the original equipment modifications when the original motors were installed?	<i>Fairfax Water does not have a previous drawing or submittal of the original equipment modifications when the original motors were installed.</i>
25	Has the rigidity [of the pumps] been tested?	<i>Fairfax Water has an extensive condition-based maintenance program on the pump and motors, and the rigidity of the pumps are tested on a routine basis.</i>
26	Is the County certain they don’t want to consider a complete replacement of the Pumps, Motors, and Baseplates?	<i>Fairfax Water is not considering replacement of the pumps and pump bases.</i>
27	Please provide a size for the cable shown on Reston Drawing E-6, Note 8.	<i>Per NEC Table 400.5(A)(2), Type W flexible cable from GEN-DS-1 to portable generator shall be 400 kcmil or provide 400A rated cable based on manufacturer’s published ampacity.</i>
28	Reston Drawing E-6, Note 7 calls for camlock terminations. Are male or female connectors required? Is there any color preferred?	<i>Cam-lok terminations shall have male connectors and shall be brown, orange, and yellow. Final connector model shall be coordinated with Fairfax Water existing installation.</i>
29	Please confirm if payment will be permitted for stored materials.	<i>See Specification Section 00800 – Supplementary Conditions.</i>
30	Regarding construction trailers, please confirm the available tie-in locations for utilities (power/potable water/sewer/communications).	<i>The limits of disturbance shown on the civil drawings are the extent of the allowable space for the contractor to use. Any offsite area required for this project will be the responsibility of the contractor. In addition, it will be the responsibility of the contractor to determine locations and availability of utility tie-in locations. Contractor cannot interfere with Owner’s ability to perform routine maintenance on facilities. See Specification Section 01500 for temporary utilities requirements.</i>
31	Please advise of designated construction parking areas & constraints/logistics.	<i>See response to Question 30 above.</i>

32	Please advise if there are any American Iron and Steel or domestic material requirements.	<i>There are no American Iron and Steel or domestic material requirements on this project.</i>
33	Please advise as to the agency responsible for Quality Control Testing.	<i>The Owner and Engineer will be responsible for Quality Control inspections, unless specified to be performed by Contractor. Refer to Specifications.</i>
34	Please advise of any DBE Participation Goals for the project.	<i>There are no DBE Participation Goals for this project.</i>
35	Please advise of the estimate for the project (amount from the Capital Improvement Plan Budget for Construction) and if the budget will permit funding to be available in order to move forward into a contract.	<i>Fairfax Water does not disclose the engineer's estimate during the bidding process. Funding will be appropriated if and when the contract is approved by the Fairfax Water Board.</i>
36	Please advise of the leadtimes given to the Owner/Engineer for the major equipment, including those requiring factory testing. Please also advise of the submittal leadtimes.	<i>Lead times must be determined by Bidder/Contractor.</i>
37	Please confirm if there are any Hazardous Materials known at the site and if a HazMat Survey is required for the project.	<p><i>Lead-based paint is present at the pump stations. As part of Contractor's lump sum base bid, Contractor shall include any required costs associated with removal and legal disposal of demolished materials and equipment with lead-based paint.</i></p> <p><i>For Popes Head Pump Station, mercury is present in the existing pressure differential switches. As part of Contractor's lump sum base bid, Contractor shall include any required costs associated with removal and legal disposal of pressure differential switches which contains mercury.</i></p> <p><i>An asbestos survey conducted in 2022 did not detect the presence of asbestos in the mortar, spray insulation and caulking. A copy of the survey is included herein as Attachment C. See added attachment in Section I, above.</i></p> <p><i>A HazMat Survey is not required. Any hazardous material encountered during construction will be made aware to Owner and Engineer.</i></p>
38	Please confirm if CAD drawings will be made available to the selected contractor following the bid period.	<i>CAD drawings can be made available to the selected contractor following award of contract.</i>
39	Please advise as to the site access constraints.	<i>See Response to Question 30.</i>
40	Please advise if the critical, pre-negotiated, or sole-source equipment will be provided with a bond-ability letter.	<i>A bond-ability letter will not be provided.</i>
41	Please advise if an endangered species study was conducted and if there are any restrictions on the clearing & grubbing operations.	<i>An endangered species was not conducted. Please refer to drawings for clearing and grubbing requirements, if any.</i>

42	Please advise on a list of representatives and contact information for the specified process equipment vendors.	<i>There is no list of representatives and/or contact information for the specified process equipment vendors.</i>
43	Please advise if the Owner's Intent is to award both projects together or if there exists a possibility of one project moving forward without the other.	<i>Owner's intent as a single contract as per the bid and contract documents.</i>
44	Please provide the Pump and Motor nameplate data for each pump station.	<i>See attached photos of available nameplates attached herein as Attachment A in Section I, above.</i>
45	Please advise on the contact information for pump and motor maintenance/repair agency that the Owner has used over the operational period of the pumps as well as providing any pump/motor service records.	<p><i>Fairfax Water is not able to provide all pump/motor service records but to help potential bidders prepare a bid, the following is the most recent corrective maintenance on the pumps and motors at the facilities:</i></p> <p><i>Popes Head Pump Station – Overhaul Pump Motor No. 2</i></p> <p><i>Myles Miller RAM Industrial Services 2850 Appleton Street, Suite D Camp Hill, PA 17011 717-230-1731 myles.miller@iss-na.com</i></p> <p><i>No recent pump work had been performed at either pump station, but Owner does have a corrective maintenance contract for pumps with the following contact information:</i></p> <p><i>Tyler Raynor Electric Motor and Contracting Company 3703 Cook Blvd Chesapeake, Virginia, 23323 757-487-2121</i></p> <p><i>Even though Fairfax Water has provided the above references, it shall be the Contractor's responsibility to find a company that performs the modifications of the motors as per the specifications.</i></p>
46	Regarding the Reston Pump Station Pumps, it appears that several after-market modifications were made to the pump base plate. This will make the motor revisions very challenging and potentially void warranties given the custom setup. We would counsel that consideration be given to full pump replacement.	<i>See responses to Questions 25 and 26. Contractor warranty requirements are stated in the bid and contract documents.</i>
47	Please advise if As-builts of the pump stations can be made available during the bid period.	<i>Owner does not have as-built or record drawings of the pump stations which incorporates all the improvements since original</i>

		<i>construction into one set of drawings since the facilities were constructed.</i>
48	Please advise if additional site visits can be accommodated.	<i>Additional site visits cannot be accommodated.</i>
49	Please provide an example certificate for the insurance requirements mentioned in the contract, specifically the cyber security/data breach insurance.	<i>There are no example forms available to be provided.</i>
50	Regarding the Reston Pump Station, the schedule constraint for the work to be completed by 1 April 2027 does not align with the submittal and material leadtime projections that we're receiving from the manufacturers. Should the Notice to Proceed be granted no later than 1 January 2025, there would need to be 6 months allotted for receiving submittals and moving forward with approvals/material releases. The leadtime on obtaining all of the gear is currently 110 weeks (26 Months). This results in a total of 32 Months to obtain the electrical equipment. At a maximum, there are 24 Months available prior to January 2027 start of a shutdown. We recommend that the completion constraint for the pump station be revised to accommodate the equipment leadtimes.	<i>See amendment to Specification Section 00500 in Section I, above.</i>
51	Regarding the Pope's Head Pump Station, the schedule constraint for the work to be completed by 1 April 2028 does not align with the submittal and material leadtime projections that we're receiving from the manufacturers. Should the Notice to Proceed be granted no later than 1 January 2025, there would need to be 6 months allotted for receiving submittals and moving forward with approvals/material releases. The leadtime on obtaining all of the gear is currently 150 weeks (35 Months). This results in a total of 41 Months to obtain the electrical equipment. At a maximum, there are 36 Months available prior to January 2028 start of a shutdown. We recommend that the completion constraint for the pump station be revised to accommodate the equipment leadtimes.	<i>See amendment to Specification Section 00500 in Section I, above.</i>
52	We counsel that more time be added to the period between Beneficial Use & Final Completion to allow for proper closeout of the	<i>See amendment to Specification Section 00500 in Section I, above.</i>

	project (i.e. 60 Days). This adjustment should also reflect time to allow for the seasonal planting schedule of the Landscaping Scope.	
53	Please confirm if the 800 hp Motor (rewinding) for the Pope's Head Pump Station is included in the scope of work.	<i>The two pump motors specified to be rewound are specified in Section 16150 - Electric Motors.</i>
54	Please advise as to the permits that the Contractor will need to procure during the project. Please also advise of the permits that Fairfax Water will obtain prior to the Notice to Proceed.	<i>Permits obtained by the Owner have been included. Contractor is responsible for all other required permits. See amendment to Specification Section 00010 and Appendix A for Popes Head Pump Station in Section I, above.</i>
55	Please advise if temporary heating/climate controls will be required during the pump station shutdown period (January to April 2027).	<i>See response to Question 10 above.</i>
56	Please advise as to the extent of work anticipated to be involved with the pump motor winding scope at the Pope's Head Pump Station. We anticipate that the motors will need to be sent to the machine shop to have the work completed. Fairfax Water will need to uncouple the pumps, address any mechanical seals and prepare the pump motors to be removed. Upon their return, the pumps will need to be coupled for a complete installation, including vibration testing. Please confirm that Fairfax Water will complete this scope of work.	<i>The is not a correct description of the scope of work The requirements for pump motor rewinding are specified in the contract drawings and specifications.</i>
57	Please confirm that the Monorail/Hoist at both pump stations is available to be used by the Contractor.	<i>The Monorail/Hoist at both pump stations will be available to be used by the awarded Contractor.</i>
58	Please advise of any items to be salvaged by the Owner, as well as their delivery/pickup location.	<i>Popes Head – See Section 02220. Contractor shall be responsible for coordinating and placing salvaged equipment onto Owner's vehicle at the Popes Head Pump Station.</i>
59	Please advise as to the pertinent noise ordinance requirements and working hours for the project.	<i>See Section 01500, Article 1.08 of specifications for each respective facility.</i>
60	Per sheet S-3 it appears we are to also remove the concrete foundation in addition to the screen wall, can you confirm? If the foundation is required to be removed would the owner consider leaving this in place and utilizing it as the proposed concrete edge strip?	<i>Refer to contract documents for removal requirements of the foundation.</i>
61	Reference Sheet C-3. There is a note that the existing transformer is to be removed by others. Can you confirm that we are not to include the cost to remove the transformer in our bid?	<i>Confirmed. Dominion Energy will remove existing transformer.</i>

62	Reference Sheet C-4. There is a note that precast polymer pads are by others. Can you confirm that we are not to include the cost of this in our bid?	<i>The cost of providing the precast polymer pad should not be included the bid.</i>
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Acknowledge your receipt of, and compliance with, this Addendum by either signing the attached acknowledgement, or referencing its receipt and your compliance, in your bid.

END OF ADDENDUM NO. 2

ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM # 2

I certify that the information contained in the proposal submitted on behalf of the below named firm incorporates any and all changes to the original specification. I further certify by my signature below, that I am fully authorized to acknowledge receipt of the above addendum and also bind the below named firm to the terms, conditions and specifications of the IFB and any changes thereto made by this addendum.

ACKNOWLEDGED BY:

FOR: _____

Company Name

Date

Signature of Authorized Agent

Printed/typed name

Title