

ADDENDUM NO. 3

Replace Obsolete /Inadequate Electric Panels Group A
(Phases XI, XII and XIII)
VA #537-12-163
At Jesse Brown VAMC

TO: "ALL BIDDERS OF RECORD"

ACKNOWLEDGE RECEIPT OF THIS ADDENDUM OF THE DRAWINGS AND SPECIFICATIONS BY INSERTING ITS NUMBER IN THE PROPOSAL FORM. FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION. THIS ADDENDUM FORMS A PART OF THE CONTRACT DOCUMENTS. IT MODIFIES THEM AS FOLLOWS:

Amendment # 3 is issued as supplement and/or amended VA answers provided in Amendment # 2. Contractor shall review & include cost of work associated with VA Amendments #s 2 & 3 Question numbers stated in Amendment #3 are the same as Amendment #2).

QUESTIONS AND ANSWERS:

5. Is a temporary riser and panels per each riser needed, even if is only one panel at the riser?

Amend Addendum 2 Answer as follows: The Contractor is to provide as many temporary risers of adequate size as needed per closet. Contractor shall provide temporary panel of adequate size for each existing panel.

All temporary systems shall be in conduit and sized to meet the existing peak demand load. Temporary risers can only occur in electrical closets and horizontal temporary feeders are allowed above lay in ceilings if installed per code and approved by the COTR. Include replacing all ceiling disturbed.

8. General Note #4 on drwg. E201 states to provide a ground bus with each panel. On drwgs. E005 and E006 under the phases XI, XII, and XIII, the new feeders shown to each of the panels do not include any ground wires in them. What are we to follow?

Amend Addendum 2 Answer as follows: Some panels do not have ground bus and some risers do not have grounding wires. Contractor shall provide ground bus for these panels and grounding wires sized to meet NFPA 70 as part of the work.

All panels shall have a ground bus. All feeders shall have full size copper conductors with grounding conductor. Replace any conduit that does not meet fill requirements.

13. When we test the breakers in the substation is there a spare?

Amend Addendum 2 Answer as follows: Provide a new / factory refurbished 'as new' and tested 800 amp frame draw out power breaker that is compatible with the existing 1985 GE Switchgear to be used during testing. Refer to Addendum 3 Attachment 1 and Attachment 2 for additional information. At completion of work, turn over the power breaker to VA stock.

14. Who tests the breakers?

Amend Addendum 2 Answer as follows: The contractor is to include testing substation breakers using NETA Certified service and certified technicians.

15. Is there clearance in the basement ceiling?

Amend Addendum 2 Answer as follows: Height varies. Personnel have to crawl in between existing pipes at some places. Contractor must walk in basement / crawl space to determine heights / clearances

It is important to note that the existing feeders run horizontally in a low height dirt bottom crawl space. It is not a basement. All areas of the crawl space are OSHA 'Permit Required Confined Space'. Installation work is significantly difficult and the contractor must provide temporary lighting, power and Personal Protective Equipment.

19. Will the VA provide details about the protective devices in the medium voltage switchgear (served by the utility) down to substations 4 & 11 for quotation of the Power System Study?

Amend Addendum 2 Answer as follows: Begin the study at the last interface of 4160V, which is not the utility point of common coupling. The VA does not provide protective the information on any existing devices. Contractor to include cost to provide all field investigation.

21. Will you provide a narrative description of the Arc Flash/Coordination Study desire and intent?

Amend Addendum 2 Answer as follows: Provide arc flash labels per NFPA 70E on all panels and distribution points.

22. Do we have to provide the files?

Amend Addendum 2 Answer as follows: Yes. all submittals shall be in PDF format. As Builds plans and risers in CAD and PDF, Device Study in PDF plus turn over project directory in the format used so the project can be opened by the source software and entire study re-calculated by the VA.

29. What if the panels are not correct?

Amend Addendum 2 Answer as follows: The existing panel directory may not be correct. Contractor is required to perform survey and provide correct panel directory. Refer to contract documents for clarification. The contractor is to field verify the panels and circuit

breaker mix prior to shop drawing review. All panels provided shall be a minimum of 42 poles and 22k AIC for any branch circuit panel and provide 65k AIC for any distribution panel. In addition, modify the conduit, mounting, position, etc. to comply with Code. It is known that the building is existing and not all working clearances are achievable. Include in the bid minor adjustments to any panel not exceeding 3 feet horizontally or vertically.

END OF ADDENDUM NO. 3