

ADDENDUM NO. 3

Jesse Brown VA Medical Center

Department of Veterans Affairs
Great Lakes Health Care System

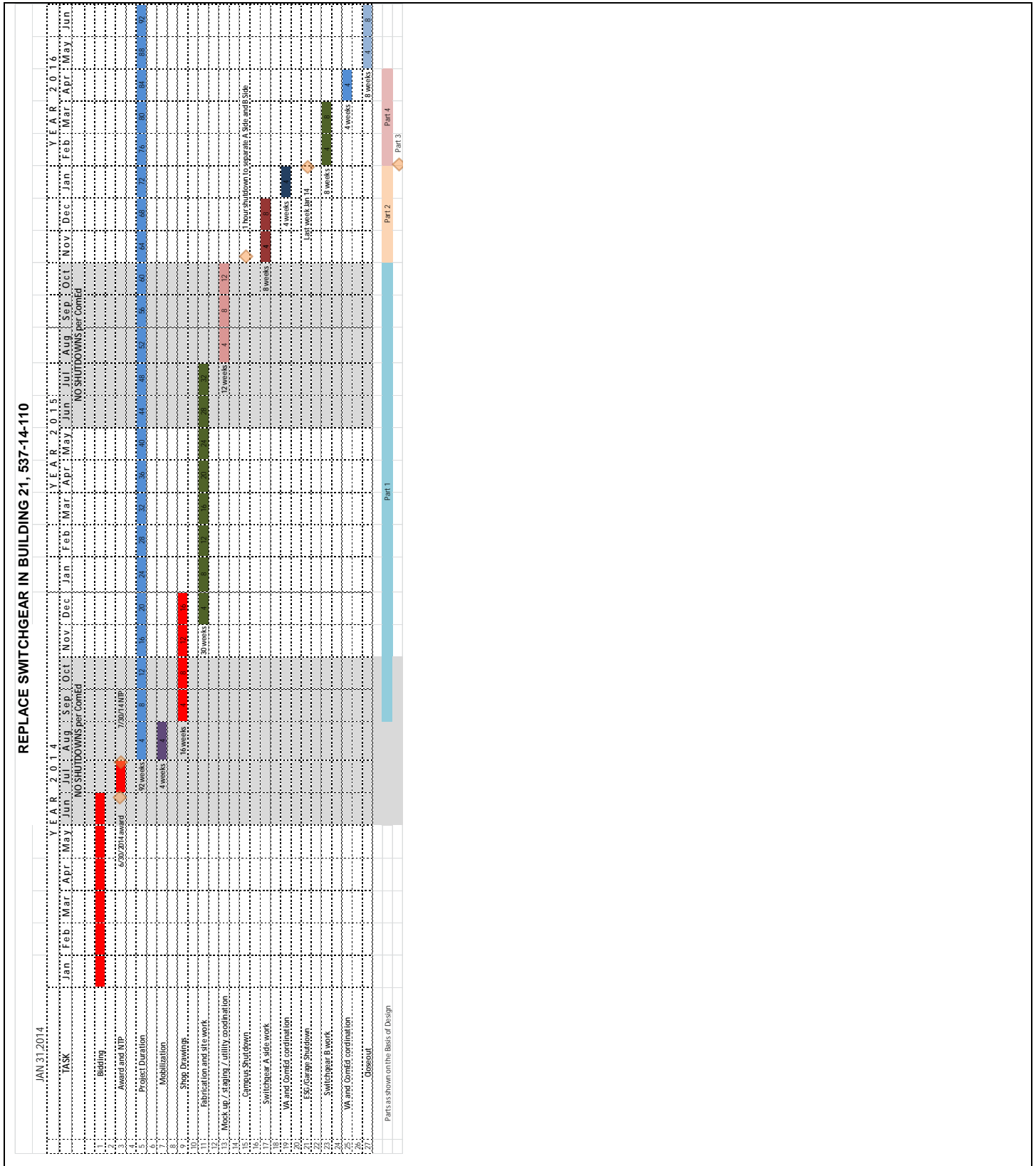
Replace Switchgear, Building 21
VA #537-14-110

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:

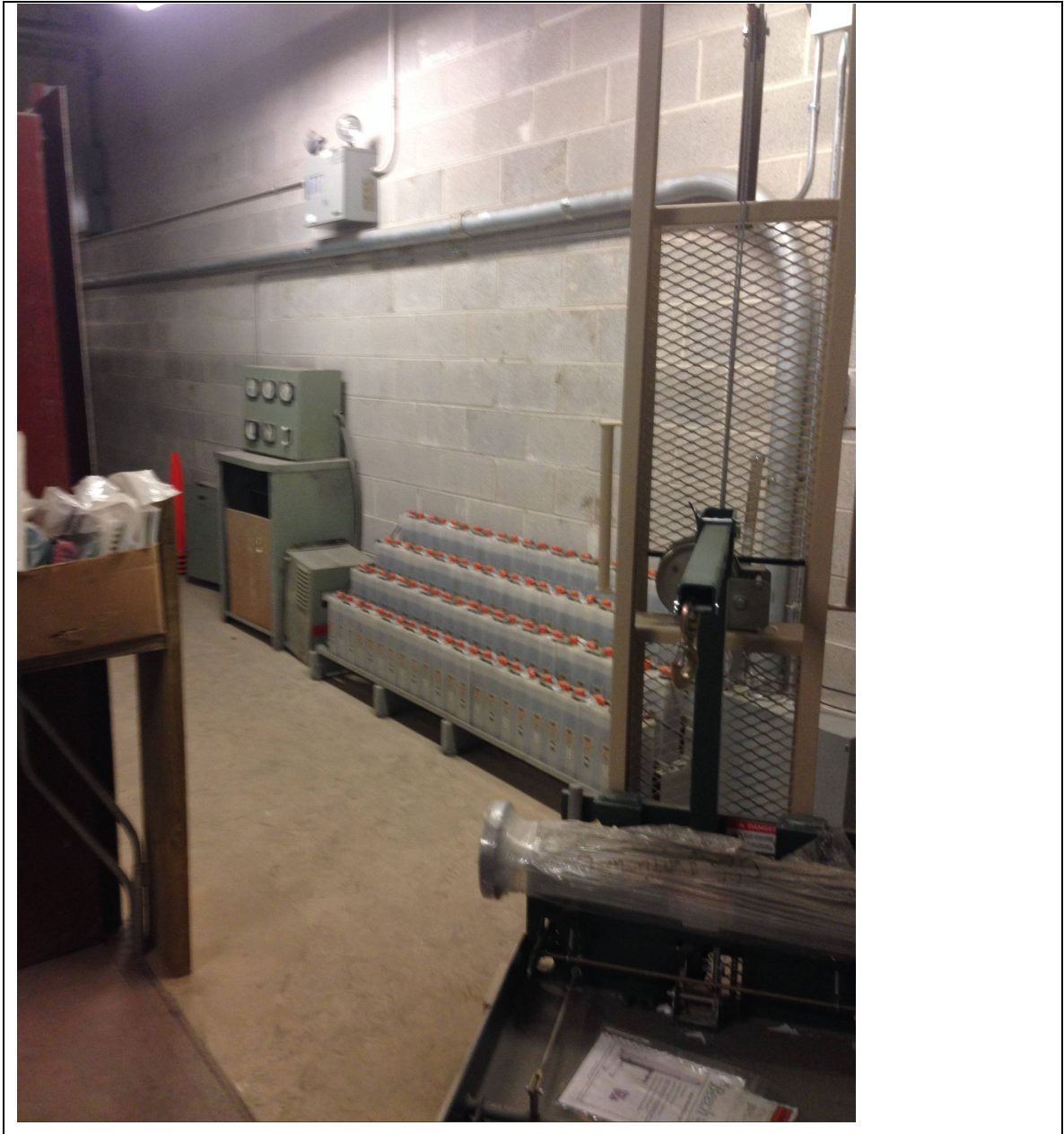
PRE-BID QUESTIONS:

1. **Question:** *Drawing 15 of 16 #537-21-ER-200- Part 1 Action Item 4.4.2: Where is this CPM Schedule?*
 - a. **Reply:** The contractor must develop a CPM schedule per specification section 01 32 16.5. Special notice to specification section 01 32 16.5 part 1.3
2. **Question:** *Is this the same schedule that was reviewed at the pre-bid meeting? If so, please provide a copy of the schedule that was reviewed at the pre-bid meeting.*
 - a. **Reply:** A simple time line was displayed at the pre-bid meeting. It was intended to show justification for the project duration and the impact for the no-work requirement. The following Gant chart is for convenience, can be used for general understanding, and does not supersede, reduce, replace or modify any information shown elsewhere.



3. **Question:** Drawing 15 of 16 #537-21-ER-200- Part 1 Action Item 4.7.1: Please provide battery info (size and manufacturer) for replacement of same.

a. **Reply:** There is no record documentation available for the existing battery system and existing battery charger. The following is a photo of the existing condition.



4. **Question:** Drawing 15 of 16 #537-21-ER-200- Part 1 Action Item 5.5.3: Please clarify if electrician is to be made available for a standard 8-hour day or if electrician is to be made available for a 24 hour day, 7 days a week.

- a. **Reply:** The contractor shall provide an electrician continuous on site in the work area once the electrical switchgear replacement activity work begins. The requirement is for a trained electrician familiar in medium voltage and the project and 24/7 when other electrical workers are not normally present. Other types of construction personnel, general laborers, security guards, and plant operators do not meet this requirement and is not acceptable. The purpose is for prompt accurate notification for the VA, special medium voltage instructions to the City of Chicago Emergency First Responders if an electrical mishap occurs as well as electrical correct off hours discussions with the utility dispatcher if needed. This project requires special staffing as work is done in phases while the campus is fully operational. Immediate accurate response is needed to minimize disruption to patients and staff.
5. **Question:** *Drawing 16 of 16 #537-21-ER-201- Part 3 Action Item 4.4.1.1: Please provide capacity required for the full size temporary generator(s) based on what the VA wants to have backed up in the VBA building and the Parking Garage in case the power outage lasts longer than 4 hours.*
- a. **Reply:** Back up the entire VBA and Garage Service, more details see Addendum 2, item 25.
6. **Question:** *Drawing 16 of 16 #537-21-ER-201- Part 4 Action Item 6: Please confirm that these training sessions are to take place during normal working hours M-F and this would be ditto for all of the training sessions listed elsewhere on the drawings.*
- a. **Reply:** Include 65% of the training during regular hours, the remaining on off hours, Saturday or Sunday as scheduled with the COTR
7. **Question:** *14 of 16 #537-21-ER-101: Cubicles A3 and A5 seem to be crossed in their origination*
- a. **Reply:** Thank you, the line work is shown incorrectly and crossed. The cables serving VBA/Garage are intended to be connected to the kirk keys.
8. **Question:** *Factory switchgear testing at the manufacturer may be located at a site outside of Illinois, is this acceptable?*
- a. **Reply:** The contractor must provide factory testing per sheet 15 of 16, Part 1 note 4.8. It is important to note that the Station VA, AE and Cx will attend this testing. The contractor must also train the VA staff at this location. This switchgear will be placed in service in phases and the VA's staff must be fully familiar and able to operate the system (unlike a traditional project where training occurs after the project is fully installed).
9. **Question:** *The Network protocol, is it Modbus TCP/ID over Ethernet?*
- a. **Reply:** Yes, less what is required by the medium voltage protective relays.
10. **Question:** *Drawing 14 of 16 #537-21-ER-101: Please identify conduit size, quantity of conduits required, and feeder (cable) size required from the new tap box location to new cubicle B5 and new cubicle A5 in the existing Building 21.*
- a. **Reply:** The feeder size is shown on drawing 14 of 16 but graphically positioned on the plan near the set down transformers.

11. **Question:** Drawing 13 of 16 #537-21-ER-100 & drawing 14 of 16 #537-21-ER-101: The drawing seems to depict the parallel bed tower feeds as both existing (cubicles A3 and B3). This is not the case per drawing #537-21-ER-100, one comes from the ESG switchgear. What is the intended method of rerouting the existing, paralleled Bed Tower feed from the ESG switchgear to the new switchboard in existing Building 21? Is the existing feed to the ESG building located in the underground 5kv distribution?
- a. **Reply:** One bed tower feed is from the existing switchgear and the other bed tower feed is from the ESG switchgear. The final intended configuration is that the bed tower feed from ESG be re-routed to the other side of the main service switchgear. The existing record documents are not accurate and do not depict the exact routing of the bed tower feed. For the bid, the contractor shall allow for taking both feeds bottom exit from the service switchboard and intercepting the feed in an existing manhole outside of building 21 near column A1.
12. **Question:** Will raceways, pullboxes, and splicing be allowed in the ESG building for rerouting feeds to building #21?
- a. **Reply:** The contractor shall minimize splicing for the convenience of the installation, as splices are a point of failure. All medium voltage cables and control cables will be new and no splices allowed except:
- i. Splices for medium voltage cables serving the existing substations are allowed in the pit box
 - ii. Splice for medium voltage cables is allowed in the manhole for VBA/Garage
 - iii. Splice for medium voltage cables is allowed in the manhole for the bed tower.
 - iv. Raceway re-working will be required inside the ESG building and building 21 to eliminate medium voltage splicing and must be coordinated and approved by the COTR to not cause future burden for service and maintenance

END OF ADDENDUM NO. 3