

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE	PAGE OF PAGES 1      5	
2. AMENDMENT/MODIFICATION NO. 0002	3. EFFECTIVE DATE 09/01/2015	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)		
6. ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 6) CODE			
NAVFAC WASHINGTON ATTN: TRANG TRAN WASHINGTON NAVY YARD BLDG 212, 3rd FLOOR WASHINGTON DC 20374-5014					
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and ZIP Code)			9A. AMENDMENT OF SOLICITATION NO. N40080-15-R-8557		
			9B. DATED (SEE ITEM 11) 19 Aug 2015		
			10A. MODIFICATION OF CONTRACT/ORDER NO.		
			10B. DATED (SEE ITEM 13)		
CODE	FACILITY CODE				
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning <u>  1  </u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; of (c) By separate letter of telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (If required) NO CHANGE					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. (Specify authority) THE CHANGES					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b)					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return <u>  </u> copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)					
N40080-15-R-8557, DB - Replace Feeders G11 and H11 at the Naval Research Laboratory, Washington DC					
The purpose of this modification is to provide responses to Request for Information (RFIs).					
Proposal Due Date remains unchanged.					
All other terms and conditions remain unchanged.					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type of print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or Print)		
15B. CONTRACT/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED		
_____ (Signature of person authorized to sign)		_____ (Signature of Contracting Officer)			

### **Provide Responses to RFIs**

1. Are there any reactors connecting to feeders G11 and H11 coming out of the main substation in B246?

**Response: There are no reactors in the G11 or H11 circuit.**

2. Referenced the Description of Work, please confirm that the basis of the proposal will not include the new ductbank.

**Response: The basis of bid is the reuse of the existing duct banks.**

3. Per the description of work, we are replacing the existing PILC Feeders G11 & H11 with #4/0 15kV 133% EPR MV-105 Cables. Please confirm the ground size to be used with each feeder is a #4/0 THHN.

**Response: Correct.**

4. Per the description of work, the intent of the project is to reuse the existing ductbanks. If new ductbanks are required they are to be 5" PVC concrete encased. Please confirm adding new ductbanks would be a change to the SOW and should not be included for the base proposal.

**Response: See response to RFI # 2.**

5. Per "G4010 Electrical Distribution," we are to provide new cable from Building 246 to EMH-203 and from EMH-202 to EMH-200 including branches to selector switches. Per Drawing G-002 and E-501, we are to provide new cable from Bldg 246 (through EMH-203) to EMH-219 including branches to selector switches. Please confirm this is the correct scope of work per the drawings and not per the verbiage written out above.

**Response: The cable spans from EMH-203 to EMH-219 are considered a branch from the run to EMH-200.**

6. Per "G4010 Electrical Distribution," we are to splice to existing cables in EMH 202 and EMH-203 that were replaced under a previous project. Please confirm these cables were in fact replaced under a previous project and that the cable we are splicing to is not PILC (confirm it is #4/0 EPR).

**Response: Base bids on the new cables have been installed.**

7. Due to the manholes having multiple feeders routed through them, complete outages (de-energizing all live feeders in the manholes) to replace G11 and H11 would be impossible. Please confirm per previous feeder replacement projects performed at NRL that work in all manholes with "live" feeders is allowed as long as the "live" feeders are properly covered with rubber insulated blankets, proper safety measures are taken, and confined space entry permits are submitted and approved. *Complete outages were mentioned at the site visit and this is a major concern and virtually impossible to do without taking down the majority of the base for weeks-months at a time.*

**Response: Perform work in accordance with the RFP documents.**

8. Please confirm that 3<sup>rd</sup> Party Electrical Acceptance Testing is required for all new cable, splices, and terminations (NECA Standards).

**Response: Perform cable testing in accordance with the requirements of UFGS 33 71 02.**

9. Please confirm that 600A Deadbreak (Separable Connector) (T-Body) Splices are the required splicing method per previous feeder replacement projects performed at NRL (not heat shrink or cold shrink splices).

**Response: Provide 600A Deadbreak T-Body splices.**

10. Please confirm if Outages/Tie-Ins to existing Switchgear are permitted during normal working hours or if they must be performed off hours or on weekends.

**Response: The intent of the RFP is that tie ins to open switches may be performed during normal working hours.**

11. Please confirm what the following switchgear terminations are “Live Front” “200A Dead Front” or “600A Dead Front”: Building 246, T-166, Building 207, T-187, T-123, T-165, T-29, T-240, and T-114.

**Response: All terminations are 2-hole type, and are not made with separable connectors.**

12. Please confirm if Generator Back-up Power is required when outages take place. If so, please provide the list of Buildings that will require backup along with the voltage and load for each building that will require a Generator so they can be sized accordingly.

**Response: In accordance with the RFP, no generator power is required.**

13. Please confirm who shall be responsible for the disposal of the PILC feeders once removed.

**Response: Provide disposal in accordance with the RFP, Part 3, Paragraph F20.**

14. Please confirm NRL Facilities shall perform all feeder switching.

**Response: In accordance with the RFP, NAVFAC Electricians will perform all switching.**

15. Please confirm if the Medium Voltage Splicers must have their NCSCB Certification (National Cable Splicing Certification Board) in order to be an approved splicer.

**Response: Provide cable splicers qualified in accordance with UFGS 33 71 02, incorporated by reference into the RFP.**

16. Please confirm if we are to reuse the existing manhole racking for the feeder replacements, or if new racking is required. If new racking is required, please confirm the racking shall be made of fiberglass and fastened in place with stainless steel hardware.

**Response: Reuse the existing racks, in accordance with the RFP.**

17. Please confirm that Arc Tape and Glass Cloth (Arc Proofing) is required for all new feeders in the manholes and coming up into the associated Switchgear.

**Response: Fireproof (arc proof) cables in manholes in accordance with UFGS 33 71 02, incorporated by reference into the RFP.**

18. At the site visit we were unable to access the manholes that are part of this scope. Please provide pictures of the interior of the manholes and approximate interior dimensions and configuration.

**Response: The manholes are nominal 6'x6'x6'6" high. No pictures are available.**

19. Are the manholes subject to water infiltration? If so, who will be responsible for pumping down the water in the manholes to work? Contractor or Gov? Please advise.

**Response: Limited water infiltration was noted during the RFP preparation. The Contractor is responsible for permitting and pumping.**

20. What is the grounding system used at NRL?. Please provide information.

**Response: In accordance with the RFP, the Designer of Record is required to determine the type of grounding system and incorporate this information into the submitted design.**

21. It is our understanding that both A and B feeders are located in the same manhole. Is it the Government's intention for the contractor to work on the inactive feeder in the same manhole as the live feeder or are we to assume that both feeders can be down at the same time to work safely. If both feeders will be shut down at the same time, what is the maximum allowable duration of the outage? Please advise.

**Response: Perform work in accordance with the RFP documents.**

22. Will the Gov't allow the contractor to work on the inactive feeder in the same manhole as the energized feeder? Please advise.

**Response: Perform work in accordance with the RFP documents.**

23. If both feeders will be de-energized at the same time, will the contractor be required to provide temporary power to critical building loads. If so, please provide a list of critical building loads that will need to be backed up by contractor. Please advise.

**Response: In accordance with the RFP, no generator power is required.**

24. The RFP states that the existing feeders will be turned over to the Gov whole. Is it permissible to cut the feeders down into smaller pieces, or must they be turned over whole.

**Response: Provide disposal in accordance with the RFP, Part 3, Paragraph F20. Cutting cable to shorter lengths is not permitted. Correct the referenced UFGS section to 02 83 13.00 20.**

25. Where are the feeders to be delivered to? Who will be responsible to coordinate and provide transportation of these feeders? Will spools be provided by Gov or must contractor provide? Please advise.

**Response: Deliver the cables on the NRL site as directed by the Contracting Officer. Provide required spools.**

26. At the site visit, there were some discrepancies in the labeling of the transformers in the field with the nomenclature that is on the drawings.

- a. The transformer denoted as T-165 on G002 is labeled T-114 on the side of the transformer. Please confirm what this transformer should be labeled.
- b. The transformer denoted as T-29 on G002 is labeled T-165 on the side of the transformer. Please confirm what the transformer should be labeled.
- c. The transformer denoted as T-114 on G002 is labeled T-29 on the side of the transformer. Please confirm what the transformer should be labeled.
- d. Please confirm whether the dwgs and riser diagram are correct or if the field labeling is correct. Please advise.

**Response: The field markings are correct. Adjust the A/E-2 design documents to reflect the correct labeling.**

**END OF AMENDMENT**