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| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | | 1. CONTRACT ID CODE J | PAGE OF PAGES 1 20 |
| 2. AMENDMENT/MODIFICATION NO. 0010 | 3. EFFECTIVE DATE 01-Sep-2015 | 4. REQUISITION/PURCHASE REQ. NO. | | 5. PROJECT NO.(If applicable) |
| 6. ISSUED BY CODE N40080 NAVAL FACILITIES ENG COMMAND WASHINGTON 1314 HARWOOD ST. WASHINGTON DC 20374 | | 7. ADMINISTERED BY (If other than item 6) CODE See Item 6 | | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) | | | X | 9A. AMENDMENT OF SOLICITATION NO. N40080-15-R-0155 |
| | | | X | 9B. DATED (SEE ITEM 11) 21-Apr-2015 |
| | | | | 10A. MOD. 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 Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer 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 _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or 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) | | | | |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14. | | | | |
| A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. | | | | |
| 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 _____ 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-0155-P621 ACADEMIC BUILDING FOR CYBER SECURITY STUDIES BUILDING, USNA, ANNAPOLIS, MD As an amendment to the solicitation, the following is hereby incorporated: Proposal due date and time remains 15 September 2015 @ 2:00 Incorporated is Revised Factor 7 Construction Schedule Incorporated is Revised Subfactor 8B NAVFAC Subcontracting Targets FY 2016 Incorporated are responses to Request for Information (RFI) <p style="text-align: center;">CONTINUED ON PAGE 2</p> | | | | |
| 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 or print) | | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) | |
| | | | TEL: _____ EMAIL: _____ | |
| 15B. CONTRACTOR/OFFEROR | 15C. DATE SIGNED | 16B. UNITED STATES OF AMERICA | | 16C. DATE SIGNED |
| _____ (Signature of person authorized to sign) | | BY _____ (Signature of Contracting Officer) | | 01-Sep-2015 |

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:

AMENDMENT 0010

Factor 7: Construction Schedule is revised as follows:

A. Submittal Requirements:

1. Provide a schedule-(a graphic timeline (50 milestones maximum))-using Microsoft Project, Primavera PE, or Primavera SureTrak software. (A narrative explanation shall also be provided). The proposal shall clearly show the logic and sequence of events necessary for the successful execution of the total project and each milestone. The schedule must comply with all requirements of the RFP. The narrative shall not exceed 10 single sided 8 1/2" X 11" pages, font 10 Courier New. Provide schedule from contract award through construction completion (including phasing). Identify critical path activities, milestones, durations and other important activities during post-contract award, design, fabrication, construction, commissioning, demolition, and beneficial occupancy. All days on the schedule should be in "calendar days". Include the time/duration of construction required to accomplish the base bid, and the time/duration required to accomplish each individual option. Describe the schedule, both narratively and graphically, the process to accomplish the base bid design solution as well as how the design would be modified to accommodate Options One and Two, based on the funding time frames noted below:

For Options One and Two, consider that funding will not be available before Dec 31, 2017. The Government will have until that date to decide whether to select and execute those options. Funding for Options Three, Four, and Five, if any, will be available no later than 6 months prior to the contract completion date in accordance with ESR D5030 Telecommunications and Security, ESR E10 Equipment, and E20 Fixtures, Furnishings, and Equipment. The Government will have until that date to decide whether to select and execute those options. The proposed schedule must consider these funding constraints.

B. Basis of Evaluation:

The schedule shall be evaluated based on the logic and sequence of events necessary for the successful execution of the project.

Subfactor 8B – Small Business Participation NAVFAC Subcontracting Targets is revised as follows:

Subfactor 8B, Small Business Participation

(i) Solicitation Submittal Requirements:

Identify in terms of dollar value and percentage of the total acquisition, the extent of work you will perform as the prime contractor. If submitting an offer as a Joint-Venture, identify the percentage of work each member will be responsible for and indicate the size status of each member, e.g., LB, SB, SDB, WOSB, HUBZone SB.

If you are a Large Business, submit a Small Business Subcontracting Plan for this project in the format provided in Attachment E for this factor, to include all information required in the attachment. If you are a Small Business, submit a subcontracting participation breakdown in the format provided in Attachment F for this factor. All proposers: To demonstrate commitment in using small business concerns, the Small Business Subcontracting Plan or subcontracting participation breakdown may list all subcontractors by name. If the proposed Small Business Subcontracting goals do not meet the minimum NAVFAC Small Business Subcontracting Targets, include a detailed explanation describing the actions taken to arrive at that determination, along with an explanation for the goals that actually were proposed. For proposals submitted on design-build solicitations, the proposer must identify its designer/design team in its Subcontracting Plan or Small Business Participation Breakdown.

Firms commitments to subcontract to multiple companies: The Offeror may provide a demonstration of commitments in planned subcontracts by listing multiple names of companies that will be used to support specific small business category (i.e., SB, SDB, WOSB, HUBZone SB, VOSB AND SDVOSB).

(ii) Basis of Evaluation:

The following will be evaluated on all proposals:

- (1) The extent to which the proposal demonstrates maximum practicable participation of SBs in terms of the total value of the acquisition, including options.
- (2) The extent to which the proposal demonstrates a commitment to use SB concerns that are specifically identified in the proposal, including but not limited to use of mentor protégé programs.
- (3) The extent to which the proposal demonstrates SB participation in a variety of industries expected during the performance of work.
- (4) The realism of the proposal to meet the proposed goals.

The following will be evaluated on proposals submitted by Large Business firms:

The extent to which the proposal provides Small Business Subcontracting goals that meet or exceed the minimum NAVFAC Small Business Subcontracting Targets, and utilization of AbilityOne CRP organizations. Proposals that provide goals exceeding the NAVFAC Subcontracting Targets may be rated higher. The proposed goals and NAVFAC Subcontracting Targets are expressed as a percentage of total subcontracted values. **The minimum NAVFAC Subcontracting Targets are as follows:**

| | FY 2016 |
|----------------|----------------|
| SB | 66.94% |
| SDB | 17.44% |
| WOSB | 15.45% |
| HUBZone | 9.03% |

| | |
|---------------|--------------|
| SDVOSB | 3.06% |
|---------------|--------------|

- (1) The extent to which the proposer's Small Business Subcontracting Plan establishes reasonable efforts demonstrating the subcontracting targets can be met during the performance of the contract:

A copy of the blank forms to be used for Offeror submission of Small Business Utilization are provided as Attachments D, E, and F.

1. Question - Option 1 is for 19,093 GSF of programmed space. Please confirm that the Base Bid includes the core and shell elements of the 5th floor and that Option 1 is for the interior fit-out of the space.

Response: The fifth floor (Option One) includes the structural support, exterior wall and roof systems, in addition to the interior, MEP, FP, and FF&E requirements for a complete and usable fifth floor should the option be exercised. The program requirements for the fifth floor are found in Part 3. Should the fifth floor option not be exercised, the fourth floor shall include a complete roof system per the RFP requirements in PART 3, Chapter 2 addressing the Fifth Floor and Roof, Chapter 6 ESRs B1020 Roof Construction and B30 Roofing. Revised Price Schedule was issued in Amendment 0009.

2. Question - The RFP, Part 3 – Ch. 3 – P.6 states that the sanitary sewer force main “... shall extend beneath Rickover Terrace, and connect to the main sanitary trunk line which provides sanitary sewer service to the Lower Yard of USNA”. Will this force main utilize existing utility tunnels in Rickover Terrace? Is the point of connection an existing terminal manhole or will a new (doghouse) manhole be constructed on the existing sanitary trunk line? Please provide more information about intended routing, including method of crossing Rickover Terrace and inverts/connection point at the main trunk line”.

Response: Part 3, Chapter 3, 3.3.3 Utilities, Sanitary Sewer Service: Delete paragraph one and replace with: “Install a new sanitary sewer lift station adjacent to the CCSS building with a new sanitary force main in accordance with Public Works Department Annapolis and City of Annapolis Public Works requirements. Provide an underground sanitary sewer force main from the CCSS to Rickover Terrace, extending along Holloway Road then south of Rickover Hall, connecting to the existing 12-inch sanitary sewer force main trunk line. The sanitary sewer force main shall extend as identified in electronic attachment 19 'Reference Drawings - Rickover Hall', located southwest of Rickover Hall. Following the route of another existing force main that extends from existing lift station SSP-7 and connects to the existing 12-inch trunk line. Refer to electronic attachment 24 'USNA-SS_12-2010' for clarification on existing sanitary sewer system located within the Lower Yard of the USNA. The sanitary lift station and force main shall be sized to accommodate the calculated wastewater load that will be generated by the Center for Cyber Security Studies in accordance with UFC 3-240-02 Domestic Wastewater Treatment. Provide flexible connections at the interface of the underground sanitary sewers with the building and sanitary sewer lift station to accommodate differential settlement of soils at the site.” See Technical Amendment - Part 3, Chapter 3, 3.3.3 Utilities, Sanitary Sewer Service

3. Question - RFP – Part 3, Chapter 2, Page 20 states - The building shall be flood-proofed to an elevation of 10.8 feet (NAVD 88). Supports for panelized flood battens shall be provided at all doors and windows located at levels lower than 10.8 feet (NAVD 88). The panelized flood battens will be installed prior to anticipated flood events. Please confirm that the battens are to be provided by owner.

Response: The battens are not provided by the owner but are included in the scope of the project per RFP including Sections Part 3, Chapter 2, Page 12, Page 20; Part 3, Chapter 2, 2.6.8; Part 3, Chapter 6 ESR B20.

4. Question - Section B S2/S2 in Drawing set Sewall Repair at Nimitz 1999 illustrates a stone riprap slope condition along the moat within the limits of the new building site. The drawings in Nimitz Walkway Sections sheets 3.1-4 and 3.1-5 illustrate a condition without stone riprap. In addition these drawings have notes added in red, in a more current software than the original 1999 drawings. Is repair of the slope of the moat at the seawall required? If repair is required under this contract, additional information will be required to develop a dewatering plan for the moat and the area below Nimitz. If required, please provide

the volume and extent of water and the entry points of water. If entry points cannot be sealed the area will have to be continuously pumped during the repair operation.

Response: The rip rap indicated on the "Seawall Repair at Nimitz 1999" documents currently exists as shown within the limits of the new building site. Repair of the existing rip rap on the slope of the seawall (sheet piling) in the moat may be required to the extent that {{the contractor's design and construction of the new facility}} disrupts it. The Part 6, Attachment 29: "Nimitz Pile Cap Inspection Plan" ("Nimitz Walkway Sections") was provided to illustrate the extent of the current shoreline below Nimitz Library. Disregard the scope of work indicated in red on Attachment 29. Part 6, Attachment 33: "McNair Road Bridge Signed Plans" should also be consulted for a better understanding of the water surface and shoreline in this area.

5. Question - Reference 01-14-00.05 and Schedule section 01-32-17.05 Item 1.6.2.5 Exclusive Periods Per the spec's we are to include 15 calendar days per year in the schedule as no work. 01-32-17.05 Item 1.6.2.5 lists the following events requiring work shutdown: Graduation, Induction and Parents week. Please provide the dates for these events for 2016, 2017, 2018, and possibility 2019?

Response: Dates for Spring 2016: Commissioning week is 21 May to 28 May; I day is 30 June; Parents weekend is mid-August. The calendars for 2016/2017/2018/ 2019 have not been finalized.

A total of 15 work days per calendar year without restrictions are noted in the RFP to be considered each year. See "01 14 00.05 20, 1.3.5 Exclusionary Periods"; the spec correctly reads "15 work days" not calendar days. A sample calendar will not be provided. See Technical Amendment for clarification.

6. Question - Please provide all data from inclinometers installed by ESC.

Response: See attached inclinometer data (Part 6 – Attachments: Add Attachment Number 2a: 7115 Baseline Inclinometer Data.pdf). See Technical Amendment.

7. Question - RFP Award Package Part 3, Section 3.2.1, Electrical, describes the routing of service and feeder cables through manholes AF-27-1, AG-27-2, AG-27-1, AH-27-1, AH-27-4, AG-34 AND AG-35. Please identify which RFP drawing shows the location of these manholes by manhole number, or provide such a drawing.

Response: See attached AC_Electric drawing.

8. Question - RFP Award Package Part 3, Section 3.2.1, Electrical, describes the various feeders leaving existing switchgear 13C. This includes feeders identified as "14S" and "15S." During the site visit inspection of this switchgear on 8/6/2015, it was noted that there are no feeders in this switchgear even remotely identified as "14S" and "15S." In addition, during the site visit inspection, two feeders in switchgear 13C that are not identified here were noted. They were labeled "FDR W4/Soccer Facility/PS-45/Cutter Shed/TS-74/ Oceanographic/TS-74A/Wesley Brown" and "FDR W3/Soccer Facility/PS-45/Cutter Shed/TS-74/ Oceanographic/TS-74A/Wesley Brown."

9. Question - Please clarify which feeders leave switchgear 13C. If these feeders are simply mislabeled, please confirm that FDR W4 and FDR W5 are capped in the manholes identified for 14S and 15S or provide their actual routing information.

Response: See attached AC_Electric drawing.

10. Question - Assuming that two feeders from switchgear 13C are capped in manhole(s) as indicated in RFP Award Package Part 3, Section 3.2.1, Electrical, please consider eliminating the requirement to provide a breaker for, and to re-feed these from, the new switchgear. If a new breaker is not required, please identify whether the cables can be abandoned in place or need to be removed. If they need to be removed, please provide the routing from switchgear 13C to manholes AG-34 and AG-35, as well as a drawing showing the location of these manholes.

Response: See attached AC_Electric drawing.

11. Question - RFP Award Package Part 3, Section 3.2.1, Electrical Secondary Feeders, describes the routing of various feeders leaving existing switchgear 13C. The routing of Feeder FL2 is not provided. Please provide the existing routing of Feeder FL2.

Response: See attached AC_Electric drawing.

12. Question - RFP Award Package Part 3, Section 3.3.3, Electrical, states, "The project shall demolish the existing 15kV Switchgear 13C and the adjacent transformer and generator located on the Waffle Lot and provide new replacement equipment at the southwest corner of Dewey Field." During the site visit inspection on 8/6/2015, it was noted that switchgear 13C contains a breaker identified as feeding "TS 103 Pad Mounted Transformer." In addition, RFP Award Package Part 3, Section G401002, TRANSFORMERS, states, "Provide a three phase pad mounted transformer to replace transformer ET-068 removed under the demolition phase."

Please confirm that "TS 103 Pad Mounted Transformer" and "transformer ET-068" are one in the same and that this is the transformer located adjacent to switchgear 13C.

Response: See attached AC_Electric drawing.

13. Question - RFP Award Package Part 3, Section G401002, TRANSFORMERS, states, "Provide a three phase pad mounted transformer to replace transformer ET-068 removed under the demolition phase. Provide the necessary secondary protection and/or distribution equipment to match the existing equipment. Extend and reconnect the existing loads to the secondary of the transformer." The only load information provided in the RFP says that this transformer "serves virtual cameras."

Please provide the rating of the transformer (secondary voltage and KVA) as well as information on the existing loads, secondary distribution equipment and secondary feeder routing.

Response: See attached AC_Electric drawing.

14. Question - The Room Data Sheets for ECE Power Studio Lab Net Zero Renewable Energy states, "Power Studio Lab shall comply with U.S. Navy standards for lithium ion batteries and fuel cells." Fuel cells typically convert natural gas to hydrogen to feed the fuel cell stack. The Room Data Sheet does not require a source of natural gas in the ECE Power Studio Lab.

Please advise if a source of natural gas is to be provided at the proposed location of the fuel cells, or advise if an alternate source of hydrogen is planned.

Response: Provide natural gas to the Lab for a 5kW fuel cell. See Technical Amendment.

15. Question - The room data sheet for “ECE Research □ Green Energy Project Lab” states, “Provide electric car charging station.” Please confirm that this is required and identify whether a Level 1 or Level 2 charging station is required.

Response: Yes, it is required. Provide a Level 2 charging station. See Technical Amendment for clarification.

16. Question - RFP Award Package Part 3, Section D502002, LIGHTING EQUIPMENT, states, “Provide each office work station with task lighting fixtures to supplement the ambient lighting.” RFP Award Package Part 3, Section E20, FURNISHINGS SYSTEM DESCRIPTION, states, “The purchase and installation of the FF&E Package shall be funded separately as part of Collateral Equipment.”

Please confirm that work station task lighting fixtures will be provided as part of the budget in Option (5) and not as part of the base bid.

Response: Workstation task lighting is provided under FF&E funding and is included in the FF&E package as a part of the workstation. The task lighting is excluded from contributing to the lighting level calculations. See Technical Amendment Part 3, Chapter 6 / ESR D50, Page 9, LIGHTING EQUIPMENT.

17. Question - RFP Award Package Part 3, Section D509090, OTHER SPECIAL SYSTEMS AND DEVICES, Renewable Energy Sources, states, “Provide a complete design and the components to support a 5kW building-mounted photovoltaic system, an 8.5kW vertical axis wind turbine (emphasis added), and a TBD fuel cell system with the capability of operating the systems independently and in unison as described in the operating scenarios.” RFP Award Package Part 3, Section E10 EQUIPMENT states that there is a quantity of 4 wind turbines in the ECE - Power Studio Lab/Net Zero Renewable Energy Lab.

Since the contractor is providing the infrastructure to connect these, please confirm the quantity and location of the wind turbines and, if more than one, whether they require a single point connection for the group or individual connections.

Response: There will be a single turbine with a single point connection. See Technical Amendment for clarification.

18. Question - RFP Award Package Part 3, Section D509090, OTHER SPECIAL SYSTEMS AND DEVICES, Renewable Energy Sources, states, “Provide a complete design and the components to support a 5kW building-mounted photovoltaic system, an 8.5kW vertical axis wind turbine, and a TBD fuel cell system (emphasis added) with the capability of operating the systems independently and in unison as described in the operating scenarios.”

Since the contractor is providing the infrastructure to connect these, please identify the electrical requirements (watts) and location of the fuel cell system and whether they require a single point connection for the group or individual connections.

Response: The fuel cell will be 5kW. The system capacities are as stated in the RFP section D509090. Each system will have a single point of connection. See Technical Amendment for clarification.

19. Question - RFP Award Package Part 3, Section 3.2.1 Electrical, Primary Service states, “The 13.8kV loop feed comes from the northwest and consists of two primary submarine cable feeders labeled 13A &

13B. The primary loop crosses Dorsey Creek and passes through manhole AF-27-1 adjacent to Dewey Field and manhole AG-27-2 located at the intersection of Sims and Holloway Road. From existing manhole AG-27-2 the primary feeders 13A & 13B enter Switchgear 13C via a utility trench and ductbank system.” However, Drawing C-100, Existing Conditions, provided under Existing Conditions Attachment 1.3, appears to show that the primary ductbank running along Sims Road bypasses the manhole at the intersection of Sims and Holloway Road and goes directly to the utility trench. This location is critical to the rerouting of incoming feeders 13A and 13B.

Please confirm that feeders 13A and 13B pass through the manhole at the intersection of Sims and Holloway Road and confirm that this is the manhole referred to as AG-27-2.

Response: See attached AC_Electric drawing.

20. Question - The Diagrammatic Sketch - Site Utility provided under Diagrammatic Site Sketches Attachment 1.3, shows two points for “Electrical Distribution Connection;” one at the intersection of Holloway Road and Sims Road and the other just east of Nimitz Library. The location east of Nimitz Library appears to correspond to manhole AH-27-4 as described in RFP Award Package Part 3, Section 3.2.1 Electrical, Secondary Feeders as containing feeders W7A and W8A. However, that same section indicates that the remaining feeders W1, W2, W5, and W6 do not pass through this manhole and thus it could not serve as the “Electrical Distribution Connection” for all southwest feeders leaving switchgear 13C.

Please identify by manhole number and confirm that the single manhole shown on the Diagrammatic Sketch - Site Utility contains all southwest feeders leaving switchgear 13C (W1, W2, W5, W6, W7A and W8A).

Response: See attached AC_Electric drawing.

21. Question - Referenced document UFC 3-410-01 Chapter 3.2 states dedicated outside air systems for providing ventilation to spaces are required for more than 1,000 cfm of ventilation air flow. The RFP narrative, Part 3, Chapter 6 describes a VAV system with hot water reheats and does not require a DOAS system.

Please confirm that the intended system is VAV reheat system per the RFP ESR D30 and that a DOAS system (described in UFC 3-410-01) is not required.

Response: Confirmed.

22. Question - RFP, Part 3, Chapter 6, ESR D30 does not require ducted returns.

UFC 3-410-01, Chapter 4 Supplemental IMC Technical Criteria, Paragraph 4-2.6.2 Addition - Section 603.1 “General” states, “Provide ducted returns from the occupied space for each zone to the air handler on all HVAC systems.”

Please confirm that the project is not required to have ducted returns per the RFP ESR D30.

Response: Ducted returns are required per the UFC 3-410-01. ESR D30 is not in contradiction to the UFC.

23. Question - Please confirm that the limits of disturbance along Nimitz Library is a vertical plane along the face of the removed precast wall panels, except where there is access required for piping and electrical feeders as noted.

Response: The limits of disturbance are not limited to a strict vertical plane at the concrete wall exposed by removing Nimitz's precast concrete panels. Corridor/lobby connections (one at the ground floor lobby and one at an additional egress corridor) between the new building and Nimitz Library would extend the limits of disturbance beyond a vertical plane into Nimitz's interior space. Beyond the corridor connection areas, areas of disturbance will generally be located at the vertical plane of the exterior face Nimitz's exterior concrete wall that is exposed after removal of precast panels. Access for piping, conduit, and possibly limited mechanical ductwork through the existing concrete wall at Nimitz will be required.

24. Question - The Nimitz and Rickover Plans referenced in the RFP utilize the USNA Datum. What are the first floor elevations in the Nimitz and Rickover plans in NAVD88?

Response: An NAVD88 elevation, in relation to the USNA Datum, is set at a value of 1.364 feet less than the corresponding USNA Datum elevation. The first floor elevation of Nimitz Library is NAVD88, EL. 9' and the first floor elevation of Rickover Hall is NAVD88, El. 4.83'. The first floor elevations of these two buildings are to be field verified by Contractor.

25. Question - Has a Preliminary or Final Federal Consistency Determination been made on this project? Is the Federal Consistency Report available? If so can this information be provided?

Response: The Federal Coastal Consistency Determination is done and can be found in Appendix A of the Final EA dated April 2015. See attached document EA for clarification.

26. Question - What are the TEMPEST requirements for SCIF boundaries?

Response: Please refer to IC Tech Spec-for ICD/ICS 705, Technical Specifications For Construction And Management Of Sensitive Compartmented Information Facilities and Center for Cyber Security Studies.

27. Question - What is the classification of the TER and EF rooms? Will they serve as the cross connection points for the secure networks' backbone connections or will separate TER and EF rooms be required?

Response: The TER and EF are unclassified spaces. Unclassified backbone cabling supporting encrypted traffic will feed separate telecommunications rooms in the secure area to house secure network hardware and distribution equipment.

28. Question - Please confirm that a protective distribution system is not required for cabling supporting classified data to the SCIF area as the data will be encrypted and considered BLACK.

Response: Confirmed.

29. Question - Part 3 - Chapter 6 / ESR D50 - Page 16 says to "provide faceplates with (6) duplex keyed LC fiber adapters for secure voice and data communications, one for each network." The first part of the Secure Lab description of Table D503001-1 indicates that we are to provide "(1) faceplate for secret voice/data and (1) faceplate for top secret voice/data for each 10lf of wall (minimum of 1 set per wall)."

Please confirm that we are to provide (1) 12-strand (6 duplex keyed outlets) faceplate for secret voice/data use and (1) 12-strand (6 duplex keyed outlets) faceplate for top secret voice/data use.

Response: Provide one faceplate for all classified (secure) communications at each location rather than separate faceplates. Each secure faceplate is to be fed with six separate 2-fiber tight buffer fiber optic cables run to the secure communications room. Two separate tight buffer cables will provide voice and data services for each secure classification level at each faceplate. Each secure faceplate will provide connectivity for three classified levels of voice and data services: Secret SIPRNET (voice and data), Top Secret JWICS (voice and data), and TS/SCI (“future voice”, and existing data).

30. Question - Part 3 - Chapter 6 / ESR D50 - Page 16 says to "provide faceplates with (6) duplex keyed LC fiber adapters for secure voice and data communications, one for each network." The Special Voice and Data Services section from Part 3 - Chapter 5 / ESR D50 - Page 15 only details 5 distinct secure networks (secret, top secret, SIPRNET, JWICS, and SCI).

What is the 6th network that is to be provided for within the 6-port, 12-strand secure work area outlet?

Response: The sixth 2-fiber cable connection at the secure outlet is the TS/SCI “future voice” connection noted in response (above).

31. Question - The very first sentence of RFP section D503001 Telecommunication Systems states that we are to "provide a complete building entrance facility..." While there are standards that depict what this room should look like, the room data sheets provided in the RFP do not detail such a space.

Please confirm that a separate entrance facility is required for this project. If required please provide the room data sheet?

Response: The EF may be housed within the main TER.

32. Question - The room data sheets indicate that only 6 room types (CCSS Classroom, CCSS Classroom 7 (Cyber Major Robotics), CCSS Classroom/Lab, CS Classroom, CS Classroom/Lab, and CS Classroom/Lab 3 Robotics) require a raised floor system for cable distribution.

Please confirm that only these 6 room types require a raised floor.

Response: Confirmed.

33. Question - In the room data sheets, the "Fire Alarm Devices" section of the following room types indicate that fire alarm detection devices are to be included on the underside of raised floors: SECURE AREA Server Room, SECURE AREA ITSD Closet, Observatory Control Room, TSD Computer Room, TSD Server Room, LAN Room, Server Room. None of these room types indicate a requirement for a raised floor.

Please confirm these areas are not required to have a raised access floor.

Response: Confirmed.

34. Question - The room data sheets detail a SECURE AREA - Server Room and a SECURE AREA - ITSD Closet space. Both of these rooms are classified as Telecommunication Room spaces per the requirements listed in the room connectivity requirements outlined in the table under Part 3 Chapter 6. Part 3 - Chapter 6 / ESR D50 - Page 15 has a statement that indicates we are to "provide separate telecommunications room(s) in the secure area to house secure network hardware and distribution equipment..."

Please confirm that the SECURE AREA - ITSD Closet and SECURE AREA - Server Room spaces cannot be used to fulfill this requirement and that a separate, secure telecommunications room is required for this space.

Response: Two separate rooms are required per the room data sheets.

35. Question - The following room types all seem to be incorrectly labeled as "Classroom" spaces under the D503001 Telecommunications Systems Specific Requirements: CS Classroom/Lab 3 □ Robotics Storage Room, Faculty Research, Faculty Research 3, CS Computer Prep Room, CS Computer Storage. Please confirm that the following proposed adjustments are correct:

- CS Classroom/Lab 3 □ Robotics Storage Room = Lab Storage
- Faculty Research = Open Office
- Faculty Research 3 = Open Office
- CS Computer Prep Room = Computer Prep
- CS Computer Storage = General Storage.

Response: See Technical Amendment Part 3, Chapter 5, Room Data Sheets, CS Classroom/Lab 3 - Robotics Storage Room

- CS Classroom/Lab 3 - Robotics Storage Room = Lab Storage: Confirmed. The telecommunications criteria for this space should be as indicated in the Interior Voice and Data Outlet Requirements table for Lab Storage spaces in Part 3 Chapter 6.

-CS Faculty Research = Open Office: Confirmed. The telecommunications criteria for this space should be as indicated in the Interior Voice and Data Outlet Requirements table for Open Office spaces in Part 3 Chapter 6.

-CS Faculty Research 3 = Open Office: Confirmed. The telecommunications criteria for this space should be as indicated in the Interior Voice and Data Outlet Requirements table for Open Office spaces in Part 3 Chapter 6.

- CS Computer Prep Room = Computer Prep: Confirmed. The telecommunications criteria for this space should be as indicated in the Interior Voice and Data Outlet Requirements table for Computer Prep spaces in Part 3 Chapter 6.

- CS Computer Storage = General Storage: Confirmed. The telecommunications criteria for this space should be as indicated in the Interior Voice and Data Outlet Requirements table for General Storage spaces in Part 3 Chapter 6.

36. Question - In the room data sheets, room types ECE Fiber Optics Lab, ECE - Optical Sensing Lab, and ECE - Free Space Optics Lab all state that they have a 10 person total occupancy across these three labs.

Please confirm that each room should have data and power capacity to support 10 occupants.

Response: Device count is based on number of benches and the room perimeter, not the actual number of occupants.

37. Question - In the room data sheets, the following three room types are unclear in their occupancy requirements:

- ECE Rapid Prototyping Lab = "N/A" occupants
- EWS - Surface and Underwater Robotics Facility (SURF) = "xx" occupants
- EWS - NAOE Waterfront Activities Lab (WAL) = "varies" occupants

Please specify what the occupancy requirements are for these lab spaces.

Response: Device count is based on the number of benches & the room perimeter, not the actual number of occupants. Occupant load for egress requirements will be required to be calculated as prescribed in the Life Safety code cited in the Part 3, Chapter 2, Fire Protection and Life Safety section.

38. Question - In Table D503001-1 of the RFP, some of the outlet requirements state that we are to provide (1) faceplate per student seat and (1) outlet per workbench. In looking at the room data sheets, the number of students often corresponds to the number of workbenches.

Please confirm that, in such a case, only (1) total outlet is required for each student/workbench location and not (2) total outlets.

Response: Provide (1) faceplate at each student desk and (1) faceplate at each workbench in each room if both workstation types are present in the room, regardless of the number of occupants.

39. Question - Referencing the previous question, in situations where the number of workbenches exceeds the number of students (e.g. 20 workbenches for 18 students), please confirm that (1) total outlet should be provided for each of either the students or the workbenches -- whichever is greater (20 total outlets in this scenario).

Response: Provide (1) faceplate at each student desk and (1) faceplate at each workbench in each room if both workstation types are present in the room, regardless of the number of occupants.

40. Question - In Table D503001-1 of the RFP, some of the outlet requirements state that we are to provide (1) faceplate per networked office equipment. In the room data sheets, networked office equipment does not appear to be quantified. Please provide quantities per room type for us to use.

Response: See Technical Amendment for clarification on for networked office equipment requirements.

41. Question - In Table D503001-1 of the RFP, we are required to provide (1) faceplate per 10lf of wall in classrooms. So for example, on 100lf of wall, we will have 10 faceplates, or 30 Category 6A cables.

Please confirm this spacing is correct.

Response: Confirmed.

42. Question - In Table D503001-1 of the RFP, we are required to provide (1) faceplate per 10lf of wall in classrooms. Please confirm this includes walls on the exterior of the building as well.

Response: Yes, this includes interior faceplates in rooms that have walls that are on the perimeter of the building.

43. Question - What are the separation of network requirements for the secure telecommunication room equipment cabinets? Do each of the 6 networks have to be physically separated or just the secret/top secret level networks?

Response: Provide separation as required in the applicable UFC and ICD documents. There are only 3 secure classified levels of equipment within the secure telecommunications room, separation between each and to any unclassified systems equipment is required per NSTISSAM TEMPEST/2-95.

44. Question - RFP Award Package Part 3 Chapter 6 Section D501004 Panelboards states, "Where fed from K-rated transformers, neutral buses shall be 200% the capacity of the phase buses." The RFP does not specifically state requirements for application of K-rated transformers, however, it does specifically identify the need for panelboards with 200% rated neutral busses.

Please confirm that all panels specified to include a 200% rated neutral bus must be fed from a K-rated transformer.

Response: Confirmed.

45. Question - The connection to the existing chilled water system and routing of the chilled water piping is discussed in two sections of the RFP:

- 1) Part 3- Chapter 6/ ESR D30 Page 1 indicates "There are existing 18-inch chilled water supply and return piping mains in a utility tunnel beneath Rickover Hall . . . the contractor shall determine the point of connection and actual routing . . . shall be pre-engineered direct buried".
- 2) Part 3 - Chapter 6/ESR G30 Page 6 indicates ". . . route within the crawl space beneath Rickover Hall".

An examination of the available design drawings indicates that it will be very difficult to enter the crawlspace from the utility tunnel given congestion in the tunnel and limited working areas in the crawlspace. It is also not clear how to exit the crawlspace to the new CCSS building since the Tow Tank obstructs the entire length of Rickover Hall. Given the limited site visits during the pre-award phase, it is not possible to accurately determine a viable routing path for the new chilled water piping.

It is requested that NAVFAC provide a more detailed description of the routing from the point of connection in the utility tunnel to the new CCSS building.

Response: Revise paragraph in ESR G305002 to read:

"G305002 UNDERGROUND COOLING SYSTEMS

"Provide direct-buried, factory pre-fabricated, pre-insulated piping systems for chilled water to the CCSS Building. Piping systems shall consist of a steel carrier pipe with polyurethane insulation and a reinforced thermosetting resin (RTR) jacket. Provide chilled water piping to support design chilled water demand and connect to existing 18-inch piping. Route piping from the existing chiller plant located at the southeast basement of Rickover Hall, outside Rickover Hall crawl space, then direct-bury piping along the southeast and northeast edges exterior of the crawl space. Enter the CCSS building to terminate pipe routing. The actual building chilled water demand shall be calculated as part of the design process by the contractor to verify proper line sizes."

46. Question - On the Equipment list in room WSE - Classroom Lab 8 and 9 (Part 3 - Chapter 6 / ESR E10 - Page 6), the Controls Equipment is listed as Contractor Furnished / Contractor Installed. However, no cut sheets or descriptions have been provided for this equipment.

The attachment List of ECE WSE NAOE Equipment Cut Sheets on page 2 lists this equipment as existing and will be moved to the new facility.

Please confirm this Controls Equipment is Government Furnished / Government Installed.

RESPONSE: See Technical Amendment for clarification.

47. Question - Reference: Price Schedule

Please clarify what is expected in Option 1 for the fifth floor. Does the option include all structure & enclosure as well as the interior fit out of the 5th Floor programmed space? Or is the intent of the option only to include the interior fitout of the programmed space?

RESPONSE: The fifth floor (Option One) includes the structural support, exterior wall and roof systems, in addition to the interior, MEP, FP, and FF&E requirements for a complete and usable fifth floor should the option be exercised. The program requirements for the fifth floor are found in Part 3. Should the fifth floor option not be exercised, the fourth floor shall include a complete roof system per the RFP requirements in PART 3, Chapter 2 addressing the Fifth Floor and Roof, Chapter 6 ESRs B1020 Roof Construction and B30 Roofing. Revised Price Schedule was issued in Amendment 0009.

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Part 2

Part 2, Section 01 32 17.05 20, 1.6.2.5 Exclusionary Periods: **REPLACE** the existing paragraph with the following:

“See Section 01 14 00.05 20, 1.3.5 for Exclusionary Periods”

Part 3

Part 3, Chapter 2, Section 2.6.5 **Waterway Access/Seawall Protection: DELETED** the existing paragraph and **REPLACED** with the following:

“Waterway Access/Seawall Protection Access to the site is very limited both in terms of construction access and in terms of utility access. Construction haul routes have been indicated in Part 6 of the RFP and include both land routes and waterway barge access points to the site. Barge access will require protection of the newly renovated seawall, associated site features, and underwater berm adjacent to the seawall during the course of construction.”

Part 3, Chapter 3, Section 3.3.1 **General Site: REPLACE** paragraph 3 and 4 with the following:

“The existing seawall and concrete panel sidewalk adjacent to Dorsey Creek shall be adequately protected for the entire duration of construction. Prior to the commencement of construction, provide a full inspection of the existing seawall, as well as taking photographs and video recording the extent of seawall and concrete panel sidewalk located within the project limits.

Prior to the commencement of construction, investigate and document the condition of the underwater berm located adjacent to the seawall along Dorsey Creek for scour. At the completion of construction, investigate the condition of the underwater berm and repair any scour as a result of construction.”

Part 3, Chapter 5, Section 5.1 **Room Data Sheets - Notes: ADD** the following paragraph to the end of the Notes section:

“The occupant count indicated in the “Number of Occupants” tab in the room data sheets is not intended to be used to determine the occupant load used for establishing egress requirements. The occupant load used for egress requirements is to be calculated as prescribed in the referenced building code(s) in the Fire Protection and Life Safety Section of Part 3, Chapter 2. The number of occupants show in data sheets for most spaces indicates the likely student and/or faculty occupant count for that particular space and it may differ from the calculated occupant load.”

Part 3, Chapter 5, Room Data Sheets, **ECE Research – Green Energy Project Lab**, Uniformat Section D501090: **REVISE** Specific Requirements Note to read:

“Provide Level 2 electric car charging station.”

Part 3, Chapter 5, **Room Data Sheets**. The following spaces in the data sheets are to have networked office equipment as indicated:

The following are to receive 4 pieces of networked office equipment:

... Common Area Data Sheets –

- 3 Workrooms - Workroom on each faculty office floors - total of 12 pieces

The following are to receive 2 pieces of networked office equipment:

... TSD Data Sheets –

- TSD ECE Lab Branch Workroom
- TSD WSE Lab Branch Workroom

... WSE Data Sheets

- Capstone 3
- Classroom/Lab 4 - 2/C Model and Sim/Computer Vision
- Parts Room and Machine Shop

... ECE Data Sheets

- ECE Research – Mobile Agents and Network Lab
- ... Secure Area
 - Testing Facility / Research (faculty workroom)
 - SSO Office
 - SSO Admin
 - PBL Lab – 2 total
 - Teaching Lab

The following are to receive 1 piece of networked office equipment:

- ... WSE Data Sheets –
 - Computing Lab 2 – Intro Seq #2
 - Classroom /Lab 2 – Intro Sequence
 - Classroom/Lab 3 – Robotics
 - Classroom/Lab 7 – Computers/Cyber Physical
 - Classroom/Lab 8 – 2/C Controls 1
 - Classroom/Lab 9 – 2/C Controls 2
 - Capstone 1
 - Capstone 2
 - Aerial Research – Aerial Systems
 - EWS – SURF
 - EWS – Autonomous Underwater Vehicle Facility
 - EWS – Roboboat Setup
 - EWS-WSE- Aerial Robotics Testing Facility
 - EWS-WSE- Joint Cooperative Unmanned Vehicle
 - NAOE – PBL 1
 - NAOE – PBL 2
- ... ECE Data Sheets
 - Computer Engineering Project Lab office
 - Microfabrication Lab
 - Classroom /Lab – Communications/Electromagnetic Studio
 - Classroom /Lab – Biometrics Studio
 - Power Studio Lab
 - ECE Research – Green Energy Project Lab
 - Rapid Prototyping Lab
 - Fiber Optics Lab
 - Optical Sensing Lab
 - Free Space Optics Lab
 - ECE Research – Biosignal Analysis
 - Advanced Computer Network and Cyber Engineering Lab
 - Advanced Computer Network and Cyber Engineering Lab office

- Capstone 1 – Electrical Engineering Project Lab
- Capstone 2 – Computer Engineer Project Lab
- Capstone 2 – Computer Engineering Project Lab office
- ... CCSS Data Sheets
 - Capstone 1
 - Capstone 2 – War Room
 - Typical Classroom/Lab
- ... CS Data Sheets
 - Capstone 1
 - Capstone 2
 - Capstone 3
 - Classroom/Lab 3 – Robotics
 - Typical Classroom/Lab
- ... ITSD Data Sheets
 - 5 ITSD Workrooms – one per floor ground to fourth floor
- ... Observatory Data Sheets
 - Observatory Office
 - Observatory Control Room

Part 3, Chapter 6 / ESR D50, Section D509090 **Renewable Energy Sources: DELETE** paragraph one and **REPLACE** with:

“Provide a complete design and the components to support a 5kW building-mounted photovoltaic system; a single, 8.5kW vertical axis wind turbine, and a 5kW fuel cell system with the capability of operating the systems independently and in unison as described in the operating scenarios.”

Part 3, Chapter 6 / ESR E10, Page 6, **WSE – Classroom Lab 8 and 9 (2/C Controls #1 and #2)**, Controls Equipment:

DELETE the CF/CI indication and **ADD** a GF/GI indication.

Part 3, Chapter 6 / ESR D50, Page 9, **LIGHTING EQUIPMENT**, **REPLACE** the third paragraph with the following:

“Provide each office work station with task lighting fixtures to supplement the ambient lighting. Lighting calculations shall exclude contributions from task lighting fixtures.”

Part 3, Chapter 5, Room Data Sheets, **CS Classroom/Lab 3 - Robotics Storage Room**,

Uniformat Section D503001 Telecommunications Systems **REVISE** Specific Requirements

Note to read: As indicated in the Interior Voice and Data Outlet Requirements table for Lab Storage spaces in Part 3 Chapter 6.

Part 3, Chapter 5, Room Data Sheets, **CS Faculty Research**, Unifomat Section D503001 Telecommunications Systems **REVISE** Specific Requirements Note to read: As indicated in the Interior Voice and Data Outlet Requirements table for Open Office spaces in Part 3 Chapter 6.

Part 3, Chapter 5, Room Data Sheets, **CS Faculty Research 3**, Unifomat Section D503001 Telecommunications Systems **REVISE** Specific Requirements Note to read: As indicated in the Interior Voice and Data Outlet Requirements table for Open Office spaces in Part 3 Chapter 6.

Part 3, Chapter 5, Room Data Sheets, **CS Computer Prep Room**, Unifomat Section D503001 Telecommunications Systems **REVISE** Specific Requirements Note to read: As indicated in the Interior Voice and Data Outlet Requirements table for Computer Prep spaces in Part 3 Chapter 6.

Part 3, Chapter 5, Room Data Sheets, **CS Computer Storage**, Unifomat Section D503001 Telecommunications Systems **REVISE** Specific Requirements Note to read: As indicated in the Interior Voice and Data Outlet Requirements table for General Storage spaces in Part 3 Chapter 6.

Part 3, Chapter 6 / ESR G30, Section G305002 **UNDERGROUND COOLING SYSTEMS: DELETE** paragraph one and two, **REPLACE** with:

“Provide direct-buried, factory pre-fabricated, pre-insulated piping systems for chilled water to the CCSS Building. Piping systems shall consist of a steel carrier pipe with polyurethane insulation and a reinforced thermosetting resin (RTR) jacket. Provide chilled water piping to support design chilled water demand and connect to existing 18-inch piping. Route piping from the existing chiller plant located at the southeast basement of Rickover Hall, outside Rickover Hall crawl space, then direct-bury piping along the southeast and northeast edges exterior of the crawl space. Enter the CCSS building to terminate pipe routing. The actual building chilled water demand shall be calculated as part of the design process by the contractor to verify proper line sizes.”

Part 3, Chapter 3, **3.3.3 Utilities, Sanitary Sewer Service: DELETE** paragraph one and **REPLACE** with:

“Install a new sanitary sewer lift station adjacent to the CCSS building with a new sanitary force main in accordance with Public Works Department Annapolis and City of Annapolis Public Works requirements. Provide an underground PVC sanitary sewer force main from the CCSS to Rickover Terrace, extending along Holloway Road then south of Rickover Hall, connecting to the existing 12-inch sanitary sewer force main trunk line. The sanitary sewer force main shall extend through the existing Refrigeration Room as identified in electronic attachment 19 'Reference Drawings - Rickover Hall', located southwest of Rickover Hall. Following the route of another existing force main that extends from existing lift station SSP-7 and connects to the

existing 12-inch trunk line. Refer to electronic attachment 24 'USNA-SS_12-2010' for clarification on existing sanitary sewer system located within the Lower Yard of the USNA. The sanitary lift station and force main shall be sized to accommodate the calculated wastewater load that will be generated by the Center for Cyber Security Studies in accordance with UFC 3-240-02 Domestic Wastewater Treatment. Provide flexible connections at the interface of the underground sanitary sewers with the building and sanitary sewer lift station to accommodate differential settlement of soils at the site.”

Part 6

Part 6 – Attachments: **ADD** Attachment Number 2a: 7115 Baseline Inclinator Data.pdf

Part 6 – Attachments: **DELETE** Electronic Attachment Number 21. USNA General Utilities – Electrical Distribution Plan and **REPLACE** with AC_ELECTRIC.pdf

Part 6 – Attachments: **DELETE** Electronic Attachment Number 39, Conceptual Wall Sections

Part 6 – Attachments: **ADD** Attachment Number 40: **FEDERAL COASTAL CONSISTENCY DETERMINATION**

Part 6 – Attachments: Delete Electronic Attachment Number 39, Conceptual Wall Sections

End of Technical Amendment

END OF AMENDMENT 0010

(End of Summary of Changes)