

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE <b>J</b>	PAGE OF PAGES <b>1   7</b>
2. AMENDMENT/MODIFICATION NO. <b>0005</b>		3. EFFECTIVE DATE <b>30-Jul-2015</b>	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO.(If applicable)
6. ISSUED BY NAVFAAC SOUTHEAST IPT SOUTH CENTRAL BLDG 135, PO BOX 30 NAS JACKSONVILLE JACKSONVILLE FL 32212-0030		CODE <b>N69450</b>	7. ADMINISTERED BY (If other than item 6)  <b>See Item 6</b>		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X	9A. AMENDMENT OF SOLICITATION NO. <b>N69450-15-R-1605</b>
				X	9B. DATED (SEE ITEM 11) <b>21-Jan-2015</b>
					10A. MOD. OF CONTRACT/ORDER NO.
					10B. DATED (SEE ITEM 13)
CODE		FACILITY CODE			
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>					
<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 checked="" type="checkbox"/> is extended, <input 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 <u>1</u> 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)					
<b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>					
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.)  <b>N69450-15-R-1605, Water Distribution System Repairs, NAS JRB New Orleans, LA</b>  See Page 2.					
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)		<b>30-Jul-2015</b>

## 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 0005

The purpose of this amendment is to revise the RFP as follows:

1. Extend the proposal due date to 25 August 2015 at 2:00 pm (Eastern Time).
2. RFP Part 3, Chapter 6, **ESR D50 ELECTRICAL**:

The following has been removed:

“The electrical scope of this project includes new primary and secondary power distribution, lighting, fire alarm, and communications to support the installation of four (4) new fire pumps (three primary and one standby), Jockey pump and two (2) new domestic water pumps in new fire pump station facility.”

**REPLACE WITH:**

The electrical scope of this project includes new primary and secondary power distribution, lighting, fire alarm, and communications to support the installation of four (4) new fire pumps (three primary and one standby), Jockey pump and two (2) new domestic water pumps (*N+1 redundancy configuration*) in the new fire pump station facility.”

3. RFP Part 3, Chapter 6, **ESR D50 ELECTRICAL** (PPI#31):

The following has been removed:

“Power distribution shall include the extension of primary power from existing pad-mounted SF6 switch, which would provide primary overcurrent protection, to a new pad-mounted transformer with 480Y/277 volt secondary.”

**REPLACE WITH:**

“Power distribution shall include the extension of primary power from existing pad-mounted *VFI* switch, which *will* provide primary *feeder* overcurrent protection, to a new pad-mounted transformer with 480Y/277 volt secondary.”

4. RFP Part 3, Chapter 6, **ESR D50 ELECTRICAL**:

The following has been removed:

“The pad-mounted transformer shall serve a Life Safety Distribution Panel (LDP) and the normal facility Panel HA via an ATS. The LDP shall serve each fire pump controller (to be equipped with integral automatic transfer switch and reduced voltage starter) and the life safety panelboards, LHA and LLA via an ATS. The facility Panel HA shall serve the domestic water and jockey pumps in

addition to other miscellaneous facility loads (lighting, receptacles, HVAC, etc) through a step down 208Y/120V transformer and panelboard. Panels HA and LHA shall be connected to generator through their own automatic transfer switches while each fire pump controller shall be provided with an integral ATS. See E001 in Part 6 Attachments for clarification.”

**REPLACE WITH:**

“The pad-mounted transformer shall serve a *Fire Pump Distribution Panel (FPDP)* and the normal facility Panel HA via a *Service Entrance Rated, Four-Pole, ATS*. The *FPDP* shall serve each fire pump controller (to be equipped with integral automatic transfer switch and reduced voltage starter). The facility Panel HA shall serve the domestic water and jockey pumps in addition to other miscellaneous facility loads (lighting, receptacles, HVAC, etc) through a step down 208Y/120V transformer and panelboard. Panel HA shall be connected to *the natural gas* generator through an automatic transfer switch while each fire pump controller shall be provided with an integral ATS. See *7-8-2015 E001 REV 1* in Part 6 Attachments for clarification.”

5. RFP Part 3, Chapter 6, **ESR D50 ELECTRICAL** (PPI#42):

The following has been removed:

“A natural gas engine generator package unit with enclosure shall be provided as an emergency power source for fire pumps, jockey pumps, domestic water pumps and associated loads. The generator package shall be provided with load bank. It is assumed that only three of the four fire pumps along with both domestic water pumps will run simultaneously. Service equipment shall be sized accordingly. It is also assumed the fire pump room will be approximately 578 square feet. Other electrical scope shall include interior and exterior lighting, fire alarm connected to the central system, and communications systems to support the fire pump station facility.”

**REPLACE WITH:**

“*Two generators shall be provided at the site for emergency power. A diesel engine generator package shall be provided as an emergency power source for the fire pumps only. A natural gas engine generator shall be provided as an emergency power source for Panel HA and all its associated loads. The diesel generator package shall be provided with a load bank capable of exercising the full KW of the diesel generator. The load bank shall be interlocked such that if while the diesel generator is performing a load test on the load bank AND should normal utility fail, then the load bank shall be automatically dropped off so that the full capacity of the diesel generator is available for the fire pumps. There is no load bank requirement for the natural gas generator. The fire pumps are interlocked via their controllers such that only 3 of the 4 may run at any one time. For the natural gas engine, the Jockey Pump and (1) of the Domestic Water Pumps, plus the lighting, receptacle, HVAC, etc...loads. Service equipment shall be sized accordingly. It is also assumed the fire pump room will be approximately 578 square feet. Other electrical scope shall include interior and exterior lighting, fire alarm connected to the central system, and communications systems to support the fire pump station facility.*”

6. RFP Part 3, Chapter 6, **ESR D50 ELECTRICAL** (PPI#56):

The following is added:

*The diesel generator shall be installed on a belly diesel tank capable of running the diesel generator at full load for 8 hours. Both the generators shall be provided in a weatherproof enclosure capable of sustaining hurricane rated winds and the associated debris. Both the enclosures shall also be sound attenuated. All of this shall be provided as a packaged unit for both the generators.*

*The diesel generator shall be issued a run signal such that IF there is a loss of normal utility signal AND a fire main pressure drop for any of the four fire pumps. This fire main pressure drop signal will account for the 10 seconds required for the diesel generator to get to rated speed and voltage. The only requirement for the natural gas generator is that of a loss of normal power, which shall be provided for by the ATS.*

*The diesel generator shall be sized such that it can start three of the fire pumps at one time while limiting the voltage dip to less than 15%. The natural gas engine shall be sized to carry Panel HA and its associated loads. Both generators shall be NFPA 110 compliant. Both generators shall be capable of, minimum 300% of FLA for 10 seconds during a short circuit condition.*

7. RFP Part 3, Chapter 6, **ESR D501090 OTHER SERVICE AND DISTRIBUTION:**

The following has been removed:

“Provide a 4 pole automatic transfer switch connected to the life safety branch panel board LHA circuits. The life safety branch shall serve all egress lighting throughout building and fire protection and alarm systems. See sheet E001.”

**REPLACE WITH:**

“Provide a *Service Entrance Rated*, 4 pole automatic transfer switch to feed Panel HA and its associated loads. See sheet 7-8-2015 E001 REV1.”

8. RFP Part 3, Chapter 6, **ESR D502002 LIGHTING EQUIPMENT:**

The following has been added:

“LED downlights are not only accepted, but encouraged. Should designer wish to use Linear LED lamps, than a life-cycle cost analysis versus the specified fluorescent lamps is required.”

9. RFP Part 3, Chapter 6, **ESR G40 SITE ELECTRICAL UTILITIES:**

The following has been deleted:

“The electrical scope of this project includes new primary and secondary power distribution, lighting, fire alarm, and communications to support the installation of four new 200HP fire pumps (three primary and one standby), 40HP Jockey pump and two new 40HP domestic water pumps in new fire pump station facility.”

10. RFP Part 3, Chapter 6, **ESR G40 SITE ELECTRICAL UTILITIES:**

The following has been deleted:

“Power distribution shall include the extension of primary power to a new pad-mounted SF6 switch which would provide primary overcurrent protection for a new pad-mounted transformer with 480Y/277 volt secondary. The pad-mounted transformer shall serve a Life Safety Distribution Panel (LDP) and the normal facility Panel HA. The LDP shall serve each 200HP fire pump controller (equipped with integral automatic transfer switch and reduced voltage starter) and the life safety panelboards. The facility Panel HA shall serve the domestic water and jockey pumps in addition to

other miscellaneous facility loads (lighting, receptacles, HVAC, etc) through a step down 208Y/120V transformer and panelboard. Panel HA shall be connected to generator through its own automatic transfer switch.

A diesel engine generator package unit with above ground skid tank with enclosure shall be provided as an alternate power source. It is assumed that only three of the four fire pumps along with both domestic water pumps will run simultaneously. Service equipment shall be sized accordingly. It is also assumed the fire pump room will be approximately 578 square. Other electrical scope shall include interior and exterior lighting, fire alarm connected to the central system, and communications systems to support the fire pump station facility.”

11. RFP Part 3, Chapter 6, **ESR G4010 ELECTRICAL DISTRIBUTION** (PPI #31):

The following has been removed:

“The connection point shall be existing pad mounted switch to new pad mounted switch and new pad mounted transformers.”

**REPLACE WITH:**

“The connection point shall be *an* existing pad mounted *VFI* to *a* new pad mounted transformer.”

12. RFP Part 3, Chapter 6, **ESR G4010 ELECTRICAL DISTRIBUTION** (PPI #31):

The following has been deleted:

“Provide SF6 or oil insulated, vacuum break, dead-front switches.”

13. RFP Part 3, Chapter 6, **ESR G401002 TRANSFORMERS:**

The following has been added:

“8. Fused primary overcurrent protection sized per NEC.”

14. RFP Part 3, Chapter 6, **ESR G401006 UNDERGROUND ELECTRIC CONDUCTORS:**

The following has been deleted:

“Provide fused cut-outs with arrestors on connections to overhead distribution systems. Provide in the Coordination Study the required fuse size to insure the coordination is correct.

Provide underground secondary conductors as necessary from the administration building main distribution panel to the other buildings.”

15. RFP Part 6, Appendix C, **ELECTRICAL SITE PLAN:**

The following has been removed:

Existing file E001

**REPLACE WITH:**

New file 7-8-2015 E001 REV 1

16. RFP Part 6, Appendix C, **ELECTRICAL SCHEDULE BLDG 228, FIRE PUMP ROOM:**

Delete in its entirety

17. RFP Part 3, Chapter 6, **ESR D4020 FIRE SUPPRESSION WATER SUPPLY AND EQUIPMENT (PPI #56):**

The following has been added:

The pump controller shall be configured such that on emergency power the 4<sup>th</sup> pump is not able to come on-line (this would overload the generator). The pump controllers shall be configured such that loss of primary power and transfer to emergency power does not start the pumps. The starting controls shall be interlocked such that, on emergency power, the pumps only start on a loss of pressure.

18. RFP Part 3, Chapter 6, **ESR D4020 FIRE SUPPRESSION WATER SUPPLY AND EQUIPMENT (PPI #56):**

The following has been added:

The pump controller shall be configured such that on emergency power the 4<sup>th</sup> pump is not able to come on-line (this would overload the generator). The pump controllers shall be configured such that loss of primary power and transfer to emergency power does not start the pumps. The starting controls shall be interlocked such that, on emergency power, the pumps only start on a loss of pressure.

19. RFP Part 3, Table of Contents, **6. ENGINEERING SYSTEMS REQUIREMENTS (PPI #42):**

The following has been added:

D20 PLUMBING.

20. RFP Part 3, Chapter 6, **6. ENGINEERING SYSTEMS REQUIREMENTS (PPI #42):**

The following has been added:

D20 PLUMBING.

21. RFP Part 3, Chapter 6, **D20 PLUMBING (PPI #42):**

The following has been added:

**D20 PLUMBING**

**D2090 OTHER PLUMBING SYSTEMS**

**Special Piping Systems**

Provide natural gas system for backup generators. Obtain natural gas pressures from the local public

works. Contractor is responsible for providing the complete natural gas system to the facility, including any applications and permits. Provide meter with remote readout.

22. RFP Part 4, 2.0 Performance Technical Specifications, **SECTION D. SERVICES** (PPI #42):

The following has been added:

**D20 PLUMBING**

Provide plumbing fixtures, appliances, and equipment complete and usable as required by Part 3. All plumbing fixtures, appliances and equipment, piping, valves, accessories, and appurtenances shall comply with International Plumbing Code (IPC) and all other applicable codes and standards, including energy, water conservation, and local activity regulations and standards. Provide all plumbing fixtures to meet current criteria of EPA Watersense program <http://www.epa.gov/watersense>

**D2090 OTHER PLUMBING SYSTEMS**

**Natural Gas Piping Systems:** Exterior above grade natural gas piping shall be schedule 40 galvanized steel pipe with threaded fittings and joints. Underground exterior gas piping shall be polyethylene pipe that satisfies the requirements of NFPA 54, ASTM D2513-01, and ASME B31-8. Provide warning tape at 12 inches below grade directly above buried gas pipes. Below grade metal gas piping is prohibited. Interior gas piping shall be ASTM A 53, schedule 40 black steel with ASME B16.3 threaded fittings and joints. The use of semi-rigid tubing and flexible connectors for gas equipment and appliances is prohibited except for final connections to the equipment and appliances where they shall be provided. Provide flexible gas connections in accordance with ANSI Z21.45 and not more than 40 inches long. Provide accessible gas service with shutoff valve for all equipment. Gas piping shall conform to NFPA 54 and shall be pressure tested in accordance therewith. Gas piping is considered a fragile utility in the content of UFC 4-010-01, *DOD Minimum Antiterrorism Standards for Buildings*.

23. Post an updated PPI Log to NECO.

All other terms and conditions remain unchanged.

**SECTION 00010 - SOLICITATION CONTRACT FORM**

The required response date/time has changed from 11-Aug-2015 02:00 PM to 25-Aug-2015 02:00 PM.

(End of Summary of Changes)