

|   |                                  |   |   |                                     |
|---|----------------------------------|---|---|-------------------------------------|
| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>   |                                  |   | 1. CONTRACT ID CODE<br>J                              | PAGE OF PAGES<br>1   18             |
| 2. AMENDMENT/MODIFICATION NO.<br>0005   | 3. EFFECTIVE DATE<br>01-Dec-2015 | 4. REQUISITION/PURCHASE REQ. NO.  |   | 5. PROJECT NO.(If applicable)       |
| 6. ISSUED BY<br>NAVFAC NORTHWEST<br>1101 TAUTOG CIRCLE<br>SILVERDALE WA 98315-1101  | CODE<br>N44255                   | 7. ADMINISTERED BY (If other than item 6)<br><b>See Item 6</b>                      |   |                                     |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)   |                                  | X   | 9A. AMENDMENT OF SOLICITATION NO.<br>N44255-15-R-6006 |                                     |
|   |                                  | X   | 9B. DATED (SEE ITEM 11)<br>30-Sep-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.<br>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:<br>(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 CONTRACTS/ORDERS.<br>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.)<br><br>Subject: P-993 TPS Forward Operating Location, USCG Station, Port Angeles, WA<br><br>Description continues on page two.  |                                  |   |   |                                     |
| 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<br><br>_____<br>(Signature of person authorized to sign)  | 15C. DATE SIGNED                 | 16B. UNITED STATES OF AMERICA<br><br>BY _____<br>(Signature of Contracting Officer) |   | 16C. DATE SIGNED<br><br>01-Dec-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 0005

1. The following PPIs were received in response to the RFP:

**PPI 0050**

Drawings SW112 & SW122 and Specifications Section 31 62 16.19

On the project drawings SW112 and SW122 you have specified the lengths of the piles. In the project Specifications Section 31 62 16.19 you have specified the driving equipment required to be used to install the piles. If the contractor fabricates the piles to the lengths specified and uses the equipment specified and the piles do not reach the desired tip elevations or pile capacity requirements, who is responsible for any additional work required to obtain desired results, and who will pay the extra costs associated with the effort to complete this work?

**Response**

This is a firm-fixed price contract. The contractor is responsible for meeting the RFP requirements.

**PPI 0086**

Please provide some additional information on what will happen if the Option Bid AFF Facility is not awarded. The lighting and power circuits feeding the armory and armory site lighting are fed from the AFF Facility. Where will these circuits be fed from if the AFF Facility is not funded? The ESS and CCTV system connections for the pier and armory are fed through the AFF Facility. How will these systems be operational if the AFF Facility is not funded?

**Response**

If the AFF Facility is not funded then power to the armory will be fed from STV-06 (see keynote 1 on drawing E102) to the armory via the specified transformer (see keynote 2 on drawing E102). The ESS and CCTV circuits will be fed to the existing ESS and CCTV system in the USCG Port Angeles Pease Support Building.

**PPI 0088**

There seems to be some confusion about who is to provide the interior and exterior light fixtures for the armory. Sheet E651 Key Note 2 seems to indicate that the light fixtures are to be provided by the contractor. Sheet E652, which is the manufacturer's drawing for the armory, seems to show light fixtures provided by the manufacturer. Is the contractor responsible for providing and installing the light fixtures or will the armory manufacturer be furnishing them with the armory?

**Response**

The armory includes standard lighting. The Contractor shall add battery backup fixtures with a minimum 8-hour battery backup at the interior and exterior entrance as indicated in key note 2 on E651.

**PPI 0115**

It is not clear in the specifications or on the drawings as to the delineation line between the two electrical and communication parts (CLIN 0001 and CLIN 0002) of this project? Following are logical delineation points that we are asking for clarification on:

1. On drawing E101, all the site lights “XL2”, Armory and relocated sign shown are fed out of the AFF building. Is this part of the CLIN 0002 AFF work?
2. On drawing E101, the service shown is for the AFF building and all the site lights “XL2” are fed from the AFF building. Is this part of the CLIN 0002 AFF work?
3. On drawing E101, the diesel fuel tank is fed from the Upland panels. Is this part of the Upland work CLIN 0001?
4. On drawing E101, the site lights “XL2” are fed from the AFF building. Is this part of the CLIN 0002 AFF work?
5. On drawing E103, all other electrical work shown with the exception of the site lights “XL2” are fed from the Upland panels. Is this part of the Upland work CLIN 0001?
6. On drawings E104 and E105, all electrical work shown is fed from the Upland panels. Is this part of the Upland work CLIN 0001?
7. On drawings T101 and T102, all communications and fire alarm work shown supports the AFF building. Is this part of the CLIN 0002 AFF work?
8. On drawing T13, all communications and fire alarm work from MH - 3 left, back towards the AFF building supports the AFF building. Is this part of the CLIN 0002 AFF work?
9. On drawing T13, all communications and fire alarm work from MH - 3 right, towards the Pease and Admin buildings supports the Upland work. Is this part of the Upland work CLIN 0001?
10. On drawings T104 and T105, all communications and fire alarm work shown supports the Upland work. Is this part of the Upland work CLIN 0001?

**Response**

1. See PPI response 0011 provided in amendment 0002. The Armory, the relocated sign, and the site lights “XL2” that are outside of the boundary are part of CLIN 0001. Site lights “XL2” that are inside the boundary are part of CLIN 0002.
2. Service to the site lights “XL2” are part of CLIN 0001 work.
3. The referred to diesel fuel tank is shown on drawing E102. Yes, the diesel fuel tank will be fed from the uplands panel and is part of CLIN 0001.
4. See PPI response 0011 provided in amendment 0002. Specific to drawing E102 (E101 addressed above) site lights “XL2” that are outside the boundary are part of CLIN 0001. Site lights “XL2” that are inside the boundary are part of CLIN 0002. The service to the site lights “XL2” shown on drawing E102

is part of the CLIN 0001 work.

5. See PPI response 0011 provided in amendment 0002. All electrical work shown on drawing E103 is outside the boundary and is therefore part of CLIN 0001.

6. See PPI response 0011 provided in amendment 0002. All electrical work shown on drawings E104 and E105 is outside the boundary and is therefore part of CLIN 0001.

7. All work shown on drawings T101 and T102 shall be part of CLIN 0001.

8. All work shown on drawing T103 shall be part of CLIN 0001.

9. All work shown on drawing T103 shall be part of CLIN 0001.

10. All work shown on drawings T104 and T105 shall be part of CLIN 0001.

#### **PPI 0119**

Specification Section 31 62 16.19

Section 31 62 16.19 “Steel Pipe Piles” Paragraph 2.4 states: “Coat each pile from top of finished pile to 20 feet below mud line.” In the event a pile does not reach tip elevation and the distance between bottom of coating and mud line is less than 20 feet, what corrective measures if any will need to be taken? Who will be financially responsible for any corrective measures?

#### **Response**

This is a firm-fixed price contract. The contractor is responsible for meeting the RFP requirements.

#### **PPI 0134**

Spec. section 09 97 13.26, page 2, par. 1.6 indicates that the coating system shall provide a service life of 50 years. Given that the project is a design-bid-build, we are unclear how the contractor can be expected to guarantee a service life for a design provided by others. Please clarify or consider removing the service life requirement.

#### **Response**

See updated 09 97 13.26.

#### **PPI 0136**

Based on the Bioretention soil mix spec in 32 13 43 section 2.1.10.4 (c) the local compost supplier, Garden Glory, would not be able to meet this spec and it appears all other WA Department of Ecology permitted composters on the Olympic Peninsula would not be able to meet this spec either, due to the fact that most approved composts have biosolids in them. Please confirm if this spec section could be amended to allow Biosolids so that the product can be sourced locally and reduce the cost of long distance hauling.

See attached Compost Testing Data Sheet from Garden Glory Composting for reference.

#### **Response**

Specification remains unchanged. Provide per RFP.

**PPI 0138**

Our question is in regards to the scope of work in the base bid and option 1 as it relates to the electrical work. We have reviewed addendum 2 particularly question 11 which refers the contractors to the "AFF LEED Boundary Plan". The Boundary Plan has us including 5 of the 31 exterior light fixtures which are all fed from a panel in the AFF building, has us providing half of the electrical service feeding the AFF building and finally it has us cutting the duct banks coming from the Armory and from the Pease Support Building in half. This contract will potentially have two electrical contractors on it, because there are a large number of electrical contractors that could wire a small building, however a select group or electrical contractors work on pier and over water work, not to mention the medium voltage work to provide the two new services. Without a very defined scope of electrical work, it will do nothing but cause the General Contractor and The Navy problems as this project is built.

We respectfully suggest that all electrical site work including conduit and wire to the 1st point of connection in the AFF building be included in the base bid and everything inside the AFF building and mounted to the outside of the building be included in the Option 1 price? Please advise?

**Response**

See PPI 0115 response.

**PPI 0139**

On the PW Pumped Waste lines on the pier, Plan sheet P103 location 2D there is a check valve shown but I find no spec for a check valve under the Sewer section of the specs? Also, the valves shown throughout the Plans seem to be gate valves, but the only valve I see in the specs is a plug valve.

**Response**

1. See 22 00 00, 2.3 Valves for spec for check valve. Provide a non-clog swing check valve.
2. See revised 22 00 00, 2.3 for valve types based on sizes.

**PPI 0140**

Specification Section 23 07 00 paragraph 2.3

Spec Section 23 07 00 paragraph 2.3 states that insulation thickness shall be listed in Table 2. The paragraph also states that insulation thickness shall be 1 inch. Table 2 shows a thickness of 401.5mm or 16 inches for cellular glass insulation on cold domestic water piping, which does not make sense. Please clarify the insulation thickness in Table 2. Or, shall all insulation thickness be 1 inch?

**Response**

See updated 23 07 00.

**PPI 0141**

General Decision Number: WA150069

General Decision Number: WA150069, Heavy, at pages 57 and 64 of 69, includes a Group 4 Laborer, pipe layer, among other functions. At page 66 of 69, however, there is a separate wage classification for pipefitter at different base and fringe rates. Please explain the difference/distinction between pipe layer and pipefitter.

**Response**

It is the contractor's responsibility to understand, comply with, and interpret the construction wage rates requirements.

**PPI 0142**

Specification Section 23 07 00

Please specify the type of insulation, insulation thickness, and type of jackets for the aboveground pier piping, including cold water, pump waste, and diesel fuel. These are not specified in spec section 23 07 00 Thermal Insulation.

**Response**

See response to PPI 0079 in amendment 0003.

**PPI 0143**

Specification Section 33 52 10

Spec section 33 52 10 has paragraphs 2.4.4 for "Flexible Hose" and 2.5.5 for "Flexible Pipe Connector," which are very similar. Please confirm which paragraph applies to the flexible hoses for the diesel fuel line shown on drawings P102 through P104.

**Response**

Paragraph 2.4.4 applies.

**PPI 0144**

Drawings P102 and P104

Please provide the specifications for the flexible hoses for the cold water and pumped waste pier piping shown on drawings P102 through P104, unless it is the same specification as the diesel fuel flexible hoses.

**Response**

Pier sewage hose is specified in 22 00 00, section 3.1.2.9. For pier potable water hose, see revised 22 00 00, section 2.1.4.

**PPI 0145**

Drawings P102 and B2/P503

Drawings P102 and B2/P503 show the typical thermal expansion joints for the diesel fuel, cold water, and pumped waste systems. We cannot find the specifications for these thermal expansion joints. Please provide specifications for the thermal expansion joints as shown.

**Response**

See updated 22 00 00, 2.12.6.

**PPI 0146**

Specification Section 01 30 00

In Enclosure 1 “Procurement and Installation of Furniture, Fixtures, and Equipment” to Specifications Section 01 30 00 “Administrative Requirements,” Paragraph 1.2 “FF&E Package Planned Modification,” the last sentence states: “The HAR shall not include costs associated with the Interior Design Services required in the base bid.”

This statement implies that the contractor is to include Interior Design Services cost in the base bid, but these services do not appear to be defined anywhere in the contract documents. Please advise.

**Response**

No interior design services are required for FF&E. See revised 01 30 00.

**PPI 0147**

Specification Section 01 30 00

In Enclosure 1, “Procurement and Installation of Furniture, Fixtures, and Equipment” to Specifications Section 01 30 00 “Administrative Requirements,” Paragraph 1.1 “General Requirements,” the second sentence states: “Weapons racks, drying cages, and lockers are not considered FF&E.”

Lockers are defined in Specifications Section 10 51 13. Please confirm that weapons racks and drying cages are part of the contract, and, if so, please provide a specifications section and a list of acceptable manufacturers for each.

**Response**

Weapons racks and drying cages are not identified as part of the RFP and are therefore not in the project.

**PPI 0148**

General (Mud Line)

How confident is the engineer in the elevation of the mud line? Has the engineer monitored the effect of the flushing of approximately 30 million cubic yards of material from the Elwha River in the last three years in regards to the mud line elevation?

**Response**

Bathymetric survey was performed for the project in March 2015.

**PPI 0149**

Specification Section 27 10 00.0020

Please clarify which item takes priority in the design: the intercom riser diagram, or the technical specification? We ask because the technical specification mentions a handset at all locations, but the riser diagram only shows intercom stations in rooms 120, 125, and 126, with ceiling speakers located everywhere else. Is talk-back functionality required at all of these speaker locations?

**Response**

Per the requirements identified in the RFP, the intercom master station (120) is located at the watch duty desk. Intercom stations in the vestibule (126) and in the mission briefing room (125) shall include talk-back feature.

**PPI 0150**

Drawing P103

For the diesel fuel, cold water, and pumped waste pier piping that routes underneath the pier deck shown on drawing P103, are the insulation and jacket material the same as the aboveground piping on utility racks?

**Response**

Refer to section 23 07 00, 2.2.8.4 Flexible Polymeric Jackets, for all offshore pier piping insulation.

**PPI 0151**

Drawing P301, Note 1

Note 1 on drawing P301 calls out to provide protective wrap for all pipes under the pier. Please clarify the protective wrap to be installed for the pipes.

**Response**

Refer to section 23 07 00, 2.2.8.4 Flexible Polymeric Jackets, for all offshore pier piping insulation.

**PPI 0152**

Specification Section 32 13 43 Paragraphs 2.1.4.1 and 2.1.4.3a

These spec sections above suggest adding sand as a fine aggregate. Can the requirement be reduced to zero? Local recommendations are to not add sand and that fines passing the #4 Sieve be minimized.

**Response**

Specification remains unchanged. Provide per RFP.

**PPI 0153**

Is the pathway lighting located within the LEED boundary of the AFF facility required to be included in CLIN0001 or CLIN0002?

**Response**

See PPI 0115 response.

**PPI 0154**

1) Is a #1/0 awg bare copper perimeter ground loop counterpoise located at 3-feet outside the fence line as described in detail A1 on drawing E504 required for the AFF fence line similar to the armory grounding plan on E653? Or does the fence bond to the lightning protection counterpoise as shown on detail B2 on E605?

**Response**

Bond fence bond to counterpoise only per B2/E605.

**PPI 0155**

Sheet E-141, Key Note 1 states that the contractor is to provide an ELMR radio and antenna. There's also a POC in the note for a person to contact before purchasing the radio. Are we to contact this person during the bidding process or can the information on the radio be provided via amendment for all bidders?

**Response**

Contractor to provide a Motorola APX7500 single band UHF R1 Midpower P25 or a RELM KNG-B400 digital UHF 380-470MHz 2048Ch 50W P25 or equivalent.

**PPI 0156**

Amendment 02 provide a LEED boundary for the AFF facility. The reconfiguration of STV-6 and the MV feeder from STV-6 to the AFF primary transformer is located outside of this boundary. If the AFF facility Option Item is not awarded these items would not be necessary. Should these items be included in the base bid or option bid?

**Response**

See PPI 0115 response.

**PPI 0157**

Section 33 52 10; Amendment 0002, PPI 0024

Section 33 52 10 says the diesel fuel distribution system uses carbon steel and stainless steel pipe. PPI 0024 clarifies the piping prior to the transition sump is to be carbon steel, and after (pier side) to be stainless steel. Section 33 52 10 (paragraph 2.4.3) refers to an FRP containment pipe system (double containment pipe). Is all of the fuel piping, both stainless steel and carbon steel, to be double containment?

**Response**

Only the carbon steel shall have double containment.

**PPI 0158**

P503, Details B-3 and B-4

The pipes at the floats are supported on rollers in the trench beneath the FRP grating. Please clarify the support system design (i.e. design and /or manufacturer for the cross supports and rollers).

**Response**

See updated P503.

**PPI 0159**

P503, Details B-3 and B-4

The conduits at the floats are in the bottom of the trench beneath the FRP grating. Does the Government have a preferred method to secure the conduits or do they simply lie in the trench?

**Response**

See A3/E506. Cables lay directly in the trench.

**PPI 0160**

Section 00100, paragraph 3

The referenced paragraph says the small business subcontracting plan is due no later than close of business two business days after receipt of proposals. With the current proposal due date of November 24, 2015 and the Thanksgiving holiday the same week, please confirm the day the subcontracting plan is due.

**Response**

This PPI was asked prior to Amendments 0003 and 0004, which extended the proposal due date. Per amendment 0004 the proposal due date is now December 9, 2015. The due date for the subcontracting plan is close of business on December 11, 2015.

**PPI 0161**

Spec Section 23 09 23 2.14 Energy Management Control System says:

Provide energy management control system (EMCS) for building control system.

Provide software and hardware interface to integrate with the central base Honeywell EMCS.

What is the existing Honeywell EMCS system's model number?

Is it a Honeywell/Tridium AX Based system using a JACE?

**Response**

USCG base Port Angeles has Honeywell 5000 system. Yes, Tridium Niagra AX system will collect information and interface with JACEs.

**PPI 0162**

Section 03300 1.6.4.3 Indicates that ASTM C-1260 or C-295 should be used to determine potential alkali reactivity. ASTM C-1260 is known to result in numerous false positive tests which will force the user to test the aggregate by ASTM C-1567 to include the ash in the test but this method is not listed as a method to be used for this project, nor is ASTM C-1293 which is known to be a very reliable test for reactivity. Section 2.4.3 does list C-1567 though it is not listed here as acceptable. Please clarify if C-1567 or C-1293 are acceptable test methods.

**Response**

See updated 03 30 00.

**PPI 0163**

Section 03300 2.1.3.3 States in part that the strength cannot exceed the design strength by more than 20%. This is not a reasonable requirement in that the overdesign itself, as required by ACI 301 will increase the target strength to more than 20% higher than the design strength ( $f'_c = 4000$  psi,  $f'_{cr} = 5200$  psi). The required w/cm in this case (0.40) is likely to push the resulting compressive strength much higher as well, possibly over 7000 psi at 28 days. The requirement for maximum strength should be waived for this application.

**Response**

See updated 03 30 00.

**PPI 0164**

Reference drawing SW531 – Dolphin Details shows a 4'- 0" thick concrete cap. The detail does not show a construction joint to make this cap a two stage pour (2' thick +/- per pour). Would it be permissible to pour these caps in two stages?

**Response**

Construction joint is permissible.

**PPI 0165**

Section 03300 2.4.1.5 requires the use of low alkali Type I cement with an alkali less than 0.80. Applications in marine environments typically require the use of an ASTM C-150 Type II cement which lowers the overall heat of the mix as well as increased resistance to sulfate attack. Low alkali according to ASTM C-150 is considered to be cements lower than 0.60. Please clarify if the intent is to use C-150 Type I / II and if the low alkali content should be less than 0.80 or less than 0.60.

**Response**

See updated 03 30 00.

**PPI 0166**

Section 03300 2.4.3 requires that the result of C-1260 or C-1567 testing be less than 0.08 at 30 days which is less than the required expansion of the test at double the time. This will produce a higher amount of false positives on the test and could eliminate good aggregates from use. Please indicate if the standard threshold and time from the ASTM test method will be used for aggregates on this project.

**Response**

Provide per RFP.

**PPI 0167**

Section 03300 2.4.3.1 requires a combined grading of 8-18 retained on each sieve when proportioning the mixture. This method has been shown to be effective in only limited situations regarding shrinkage, cementitious reduction and or bleeding. It can also be hard to accomplish in some batch plants with a limited amount of overhead bins when numerous aggregates are required to meet the requirement as well as increasing cost to the owner with little results. It is suggested that this section be waived.

**Response**

Provide per RFP.

**PPI 0168**

Section 033129 1.7.2 table 1 requires that the concrete mixture be tested for acid soluble chloride content and have a result of less than 0.6% by weight of cement however section 1.7.4.2 b indicates testing by water soluble chloride content. ACI 301 requires testing via water soluble method as the acid soluble method has been known to report not only free chloride ions but bound chloride ions as well. Please indicate which method is to be used.

**Response**

Provide per RFP (both are required).

**PPI 0169**

Section 033129 1.7.2 indicates that this test should be reported as percent by weight of cement. Mixes for this project may result in high replacement levels of slag, or fly ash to combat potential ASR. It is recommended that the chloride threshold be reported by weight of cementitious and not by weight of cement.

**Response**

Provide per RFP.

**PPI 0170**

Section 033129 1.7.4.2 states (similar to 03300 2.1.3.3) that maximum strength be no more than 20% of the design strength. The overdesign and the mixture requirements themselves will make this difficult to achieve. It is requested that this section be waived.

**Response**

See updated 03 31 29.

**PPI 0171**

Section 033129 1.8.3.1 requires aggregate sampling for gradation and unit weight for every 50 tons delivered. This will result in every other truck delivered to the site being tested. Depending on the activity this could mean numerous samples in the same day. It is recommended that the sampling and testing protocol should be monthly as opposed to a fixed delivery schedule.

**Response**

Provide per RFP.

**PPI 0172**

Section 033129 2.1.1 note 2 requires coulomb testing with a value of 1500 coulombs at 28 days. This is a difficult number to achieve even at the 56 days specified. It is recommended that the value be increased to 2000 coulombs at 56 days which will still result in a low value in order to help protect the reinforcement from chloride attack.

**Response**

Referenced specification note 2 requests a maximum coulomb rating of 1500 at 56 days; provide per RFP. Reference to 28 days in the PPI could not be found.

**PPI 0173**

Section 033129 2.1.2 e requires shrinkage of concrete to be lower than 0.04% as measured by ASTM C-157.

Mixes containing silica fume, which will be required to meet the coulomb testing specified elsewhere, will have higher shrinkage values than those mixes without, mixes containing a #8 aggregate as specified for some applications on this project will also have higher shrinkage values. It is not clear which mixes require shrinkage testing. Please identify which mixes will be held to this requirement.

**Response**

See PPI 0101 response.

**PPI 0174**

Section 2.3 a requires combined grading as meeting 8-18 percent retained on each sieve similar to section 03300 2.4.3.1. It is suggested that this section be waived in light of the shrinkage limits identified elsewhere in the specification. It is further requested that if this section is not waived that mixes containing #8 not be limited to this value as they will not be capable of achieving the shrinkage limits of lower than 0.04% as measured by ASTM C-157.

**Response**

Provide per RFP.

**PPI 0175**

Section 01 14 00 1.2.e, restricts impact pile driving to 12/1/16 to 2/15/17 but does not address vibratory pile driving. Please confirm if vibratory pile driving is also restricted to the above dates.

**Response**

No, vibratory pile driving is not restricted to the 12/1/16 to 2/15/17 dates but is restricted to all other in-water work restrictions as stated in the contract documents.

**PPI 0176**

The Ice Machine on Detail D1 sheet A412 says its FF&E however sheet I101 which is the FF&E schedule does not show the ice machine. The ice machine is in section 11 31 13, electrical equipment as if it were for the contractor to purchase and install. Please confirm if the ice machine is to be furnished and installed by the contractor.

**Response**

See revised A412.

**PPI 0177**

In reviewing the estimated schedule for this project, we see that there could be a significant problem with completing this project within the given duration (525 calendar days) if the project is awarded early. Due to the impact pile driving provision which limits the impact driving work to Dec 1, 2016 - Feb 15, 2017, the bulk of the in-water work will not begin until approximately November 2016. This means that from July 15, 2015 – October 31, 2015 that there will not be any in-water work which would be completed due to this restriction. Because of this, the marine work will have to utilize a portion of the 2017 fish window (beginning 7/15/2017) in order to complete the project.

Since the time to complete the work starts upon the notice of award, if the award is granted prior to 4/1/2015, this means that the last calendar day to work is 9/7/2017. From our bid estimate, all of the fender piling and the float piling will need to be completed during the 2017 fish window. If an early award is granted there won't be enough in-water fish window days to complete all of the work without getting into liquidated damages.

To complicate issues further, the bid solicitation states that the bid price is valid for 120 days from bid date. If the project bids on November 24, as currently scheduled, the latest date that the award would be issued would be March 22, 2016.

We are concerned with when the award would be granted to the contractor and whether this will provide sufficient time to complete this project since the pile driving window does not begin until Dec 1, 2016. We respectfully request that the count of the 525 calendar days to complete this project does not begin until contract execution and Notice to Proceed has been granted.

**Response**

Award is now anticipated to be made in August 2016. The proposal acceptance period is hereby increased to 265 calendar days.

**PPI 0178**

RE: Detail A4, Drawing E401

NEMA 3R Stainless Steel Enclosures for uplands electrical service equipment and systems equipment.

Please provide additional information so that the enclosures cost can be estimated.

**Response**

In Detail A4/E401, layout is based on two power and telecom enclosures at 74"H x 72"W x 24"D and one 74"H x 48"W x 24"D enclosure for Telecom, FACP, CCTV and Security.

**PPI 0179**

Drawing Sheet SB504/A1 calls out "8" CIP Conc FNDN Wall Reinf with (2) #7 @ 12" O.C. Please confirm if this is what is intended.

On Drawing Sheet 505/B1, the same stem wall calls out #5 bar. Please clarify

**Response**

Detail A1/SB504 - provide per contract. This is typical foundation stem wall detail.

Detail B1/SB505 - provide per contract. This detail is stem wall at storefront.

**PPI 0180**

Specification 10 51 13 Lockers is not a typical specification for lockers. The specifications call for 10 gage 2x2 welded wire pattern for the sides and door with solid 16 gage tops, bottoms, and backs. They also want this locker 78" tall with 6" legs for an overall height of 84".

Our building contractor's locker suppliers cannot locate wire lockers. Can the specification be amended to 24 x 24 x 72 with 16 gage body parts, diamond perforated doors and sides with a height of 72" plus 6" legs for an OH of 78"?

**Response**

See updated Section 10 51 13.

**PPI 0181**

Specification section 10 28 13.3.3 Schedule for Toilet Accessories, calls out grab bars for eight (8) locations. However, plans only show a set in each ADA Restroom. Please clarify.

**Response**

See PPI 0076 response in Amendment 0003.

**PPI 0182**

Specification section 12 24 13.2.1.1 e

Do the Roller shades at the exterior windows require electrical power?

Qualifications state “obtain motor-controlled roller shades”. However, there is not any power shown on the electrical drawings. The referenced specification states “manual operated chain drive.”

**Response**

See PPI 0066 response in Amendment 0003.

**PPI 0183**

Specification Section 07 19 00 Crystalline Waterproofing

Is crystalline waterproofing required in the AFF building in the restrooms?

What other locations are required to have crystalline waterproofing?

**Response**

See PPI 0077 response in amendment 0003.

**PPI 0184**

Endangered Species Act (ESA) Mammal Protection Act (MMPA) Monitoring and Construction Restriction Requirements, Paragraph 2.1.4 Sound Attenuation

The document requires the contractor to provide sound attenuation that achieves 8 dB reduction during impact pile driving activities. The owner should provide the design for the attenuation system to be used by the contractor. Marine contractor's do not provide designs for sound attenuation and lack expertise in acoustic noise monitoring and methods to attenuate the sound. In addition marine contractors do not monitor sound in the water. This is typically provided by sub-consultants working for the owner. Please provide a design for a sound attenuation system that the government would like used on this project.

**Response**

System shall be provided by the contractor per the RFP documents.

**PPI 0185**

Just need to confirm what type of mass notification system the base has, Cooper Wave (like Whidbey Island), Harlow panels, and/or Monaco.

**Response**

The base is not a radio-based or McCulloh loop fire alarm reporting system. Communication to the Administration building includes copper-fiber optic-copper connections. The base has a Honeywell Silet Knight fire alarm panel in the administration building. Per drawing F102, provide connections from the AFF fire alarm/MNS system and Pier fire alarm system to the Administration building and make

connection to the Silet Knight panel. Per specification 28 31 76, paragraph 2.18.1, provide fire optic transceiver for connections at AFF, Pier and Administration buildings. The contractor will need to verify specific connection requirements after project award.

**PPI 0186****QUESTION 1 – QUALITY CONTROL INSPECTIONS**

Section 01 45 00.00 20 Paragraph 1.5.5 states that the Prime Contractor must provide “a separate QC specialist at the work site for each of the areas of responsibilities, specified in Part 3, Execution, of the technical sections, who must assist and report to the QC Manager and who may perform production related duties [...]” “QC Specialists are required to [...] be physically present at the construction site [...] and prepare documentation for each definable feature of work in their area of responsibility at the frequency specified below.” The inspection frequency is identified in a table starting on page 6 of this Section. The table identifies not only the frequency of inspection but the area of responsibility and the Qualifications/Experience for each inspector.

A conflict arises between the requirement for very qualified/experienced inspectors to be on-site nearly fulltime during installation and the option for inspectors to perform production related duties. Typically, technical QC inspections can be provided daily by the Prime Contractors own experienced staff/craft but those individuals do not generally have the certifications/registrations outlined in the table.

Is the table intended to cover inspection services provided by the Prime Contractors direct QC organization only or also those inspections provided by the 3rd party Commissioning Authority (1.5.2), Special Inspector of Record (1.5.6), and Registered Fire Protection Engineer (1.5.7)? If intended to provide a composite list of inspections it would be helpful if a column could be added identifying which branch of the QC Organization is responsible for each inspection.

As this section is currently interpreted, a registered/licensed/certified/3rd party inspector is required on-site nearly full-time for each of the definable features of work. This would add incredible overhead costs to the project and create scheduling complications in securing the 3rd party inspectors for extensive durations required.

Please clarify the intent.

**Response**

QC specialists can be from the prime contractors QC team if they meet the qualifications as stated in the contract documents.

**PPI 0187****QUESTION – Concrete Quality Control Program**

Reference: Section 03 30 00 CIP Concrete and Section 03 31 29 Marine Concrete

The technical specifications for concrete indicate that an independent quality control program, with separate Quality Manager (licensed PE), is to be established specifically for concrete quality control. It is unclear whether this Concrete QC Program is to be completely independent of the Project QC Program or function as a specialized segment. It states that QC reports be delivered to the QC Manager, Contracting Officer, and the Concrete Supplier which seems to indicate that the Concrete QC Program functions independently of the Project QC Program. Please clarify.

Can the Project Quality Control Manager perform the role of Concrete Quality Manager? If so, please

clarify whether the Project/Concrete Quality Manager is required to have a current PE license. Similarly, several of the special inspections identified on the table of inspections (01 45 00.00 20 page 6-7) apply to on-site concrete placement. Should those inspections be performed by the Project QC Team or the Concrete QC Team?

**Response**

1. Yes, the Project QC Manager may perform the role of quality manager for concrete work, as long as this person meets the qualifications required by 03 33 00, 1.6.7.1 and 03 31 29, 1.6.1.1.
2. See item (1) for qualification requirements.
3. On-site concrete inspections may be performed by Project QC team or independent QC team for concrete construction, provided they meet the qualifications set forth by 01 45 00.00 and Division 03 specifications.

**PPI 0188**

**QUESTION 3 – Concrete Quality Control Personnel Certifications**

Reference: Section 03 30 00 CIP Concrete and Section 03 31 29 Marine Concrete  
Paragraph 1.6 requires that the contractor “submit American Concrete Institute certifications for the following” QC personnel:

1. CQC personnel responsible for inspection of concrete operations
2. Lead Foreman or Journeyman of the concrete placing, finishing, curing crews.
3. Field Testing Technicians
4. Laboratory Testing Technicians (Section 03 31 29 only)
5. Concrete Batch Plan Operator (Section 03 31 29 only)

While it is typical for field testing technicians and special 3rd party inspectors to hold current ACI certifications, it is very unusual for field superintendents and the contractors QC specialists (staff) to have ACI certifications. Is it intended that everyone involved with concrete placement above and including the Foreman’s role have current ACI certification?

**Response**

Members of quality control team shall meet the requirements as set forth in 03 33 00 and 03 31 29.

2. This amendment hereby incorporates clauses to Section 00700 as follows:

DFARS 252.203-7996, Prohibition on Contracting with Entities that Require Certain Internal Confidentiality Agreements - Representation (DEVIATION 2016-O0003)(OCT 2015)

**Added to:** SECTION 00700 Clauses Incorporated by Reference

DFARS 252.203-7997, Prohibition on Contracting with Entities that Require Certain Internal Confidentiality Agreements (DEVIATION 2016-O0003 (OCT 2015)

**Added to:** SECTION 00700 Clauses Incorporated by Reference

DFARS 252.204-7012, Safeguarding Covered Defense Information and Cyber Incident Reporting (DEVIATION 2016-O001)(OCT 2015)

**Added to:** SECTION 00700 Clauses Incorporated by Reference

DFARS 252.209-7991 Representation by Corporations Regarding an Unpaid Delinquent Tax Liability or a Felony Conviction under any Federal Law-Fiscal Year 2016 Appropriations (DEVIATION 2016-O0002)(OCT 2015)

**Added to:** SECTION 00700 Clauses Incorporated by Reference

## 3. Summary of revised pages:

01 30 00 Page 1

03 30 00 pages 9, 14, 15

03 31 29 pages 14, 33, 34

09 97 13.26 page 2

10 51 13 page 2

22 00 00 page 15, 26

23 07 00 pages 10, 17

A412

P503

4. All other terms and conditions remain unchanged. Offerors are reminded to acknowledge receipt of this amendment in accordance with the RFP requirements when submitting proposals.

## SECTION 00010 - SOLICITATION CONTRACT FORM

The offeror acceptance period has increased by 145 from 120 to 265.

## SECTION 00700 - CONTRACT CLAUSES

The following have been added by reference:

|                    |  |          |
|--------------------|--|----------|
| 252.203-7996 (Dev) | Prohibition on Contracting with Entities that Require Certain Internal Confidentiality Agreements—Representation (Deviation 2016-O0003)  | OCT 2015 |
| 252.203-7997 (Dev) | Prohibition on Contracting with Entities that Require Certain Internal Confidentiality Agreements (Deviation 2016-O0003)   | OCT 2015 |
| 252.204-7012 (Dev) | Safeguarding Covered Defense Information and Cyber Incident Reporting  | OCT 2015 |
| 252.209-7991 (Dev) | Representation by Corporations Regarding an Unpaid Delinquent Tax Liability or a Felony Conviction under any Federal Law—Fiscal Year 2016 Appropriations. (DEVIATION 2016-O0002) | OCT 2015 |

(End of Summary of Changes)