



**DEPARTMENT OF THE NAVY**  
NAVAL FACILITIES ENGINEERING COMAND, PACIFIC  
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PEARL HARBOR, HI 96860-3134

**12 November 2014**

**N62742-15-R-1301**

**FY14 MCON P-907 MV-22 PARKING APRON AND INFRASTRUCTURE AND  
FY14 MCON P-908, HANGAR, MARINE CORPS BASE HAWAII, KANEOHE, HAWAII**

**NOTICE NO. 3**

NOTE: The following questions and answers are provided for INFORMATION ONLY. The RFP remains unchanged unless it is amended in writing on a Standard Form 30. Please be advised that question asked 10 calendar days before the closing date may not be answered.

Please be advised that the Department of Labor will be issuing a modification to the Labor Requirements on 14 November 2014. This modification will be incorporated into the RFP via amendment at that time.

34. Per Spec Section 08 39 54: 1.2 System Description. "Provide a blast resistant door which fits a door description as follows: Fiberglass Reinforced Plastic ....." In discussion with multiple FRP door manufacturers, none can provide/meet the blast pressure requirement. Please confirm that it is acceptable to replace the exterior FRP doors with blast resistant steel doors.

RESP: Blast-resistant steel doors are not acceptable due to the highly corrosive atmosphere at MCBH.

38. What is the wall construction for the walls located in the hangar next to the brace frame on column line 15/A-C and 1/A-C?

RESP: See 8/A-702.

39. Please provide information for the 2 hour concrete lid at the elevator shaft as shown in details A&2/A412.

RESP: See A5/S-151 which exceeds 2 hour fire rating

40. DWG A-002: Please provide a finish schedule for the Guardhouse and Wash Rack building. Clarify if wall tile is required at a the bathroom or shower.

RESP: Finish schedule provided in [Amendment 0002](#).

41, Section 08 33 13: Please confirm if the counter door at the security gate is required to have power operation. Item 3.2 in the spec provides both options.

RESP: The counter door at the security gate is not powered. See [Amendment 0002](#)

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42. Section 23 09 53: paragraph 1.5.1 states that Section 23 09 53 Space Temperature Control System is to be a first tier contractor. We assume that this also applies to Section 23 09 23 BACnet Direct Digital Control Systems for HVAC. Please verify.

RESP: Confirmed. The DDC controls contractor shall be a first tier contractor.

43. DWGs I-121 to I-126: Please provide counts for all items in the Furniture and Equipment Schedule.

RESP: See DWGs I-103, I-104, I-111, and I-112 to determine counts.

44. DWGs I-121 to I-126: Please clarify if in wall blocking is required for the Furniture and Equipment Schedule items? Clarify requirements for each item if required.

RESP: Yes blocking is required. See Section 06 10 00, paragraph 3.2.1.

45. DWG FP-203: Please provide the size capacity required for the fire pump diesel fuel tanks.

RESP: Please refer to NFPA 20 for sizing of fuel tank. For example, fuel supply tanks shall have capacity at least equal to 1 gal per hp, plus 5 percent volume for expansion and 5 percent volume for sump, and fuel supply capacity shall be sufficient to provide 8 hours of fire pump operation at 100 percent of the rated pump capacity in addition to the supply required for other demands.

46. Section 23 09 23: In reference to 23 09 23, paragraph 1.4.b, if the DDC Control System installed is NOT an Alerton or Automated Logic System, is there any requirement for the DDC Contractor to upgrade the Existing Servers and Software to the latest Version?

RESP: Per paragraph 1.4.b, the existing DDC system is manufactured by Alerton/Automated Logic. Upgrade or replace existing server, operation work station, and laptop computer software with the manufacturer's latest software version for all used applications to be compatible with the existing DDC system

47. Section 23 09 23: In reference to 23 09 23, paragraph 1.4.b, what is the expected connection to the existing system required to encompass? Is it expected that the existing proprietary Alerton and or Automated Logic System will be expanded to Host graphics AND database for the new DDC?

RESP: Per paragraph 1.4.b, upgrade hardware, memory, and operating system if required. Provide graphics and application database per paragraph 2.1.3 Notebook Computer

48. Section 23 09 23: In reference to 23 09 23, paragraph 1.4.b, will a system that uses a Tridium Niagara (Open License) BACnet BTL Listed DDC as a user interface that is able to viewed, programmed, and manipulated by only a standard web browser be acceptable?

RESP: Comply with paragraph 1.4 BACnet DIRECT DIGITAL CONTROL SYSTEMS FOR HVAC DESCRIPTION, subparagraph a. All new devices are accessible using a Web browser interface and communicate using ASHRAE 135 BACnet communications without the use of gateways, unless gateways are shown on the design drawings and specifically requested by the Government.

49. DWG ES-107: Keynote 3 on DWG ES-107 says to remove wiring from fixture D154 to fixture D163. Please provide approximate distance from D154 to D163

RESP: The approximate distance between lights D154 and D163 is 200 linear feet.

50. Section 33 61 00: Paragraph 2.2.2 calls for steel or copper carrier pipe for the underground CHW piping. Section 33 61 14, paragraph 2.2.1 calls for PVC carrier pipe for the underground CHW piping. We assume Section 33 61 00 (steel/copper) is correct. Please verify.

RESP: Carrier pipe should be the same material as the piping it connects to within the hangar or utility building.

51. Section 48 14 10: Please confirm that Photovoltaic Panels, Inverter and Disconnects are to be priced in CLIN 0002, P-908 Hangar

RESP: Price the photovoltaic panels, inverter and disconnects in CLIN 0002, P-908 Hangar. The associated electrical ducts/feeders and photovoltaic support structures are to be priced in CLIN 0001, P-907 Parking Apron and Infrastructure (See P-907 DWGS C-543, C-544 and C-545). See [Amendment 0003](#).

52. DWG E-802: In the description of light fixture type "S2" there is reference to mounting fixture on the PV canopy. However, there is no lighting shown on the PV canopy. Is lighting required on the PV Canopy? If so, please provide quantities and locations.

RESP: Provide 3 type S1 light fixtures as indicated on Drawing E-501 in P-907 package. The S1 fixture shall be spaced evenly on the PV Canopy. The fixtures shall be connected to the Parking Lot lighting circuit. See [Amendment 0002](#).

53. Section 12 24 13: Section 12 24 13 calls for roller window shades but does not provide product information. Please provide product information for the roller window shades required.

RESP: Paragraphs 2.1, 2.1.1, 2.1.2, and 2.2 provide sufficient product information

54. DWG C-117: DWG C117 calls for a new bike rack. Please provide product information on the desired bike rack to be provided.

RESP: Per Detail C5 on Sheet C-504, the bike rack shall be a "Ribbon" design with a minimum capacity for 11 bicycles.

55. DWG M-601: DWG M-601, AC-1 note 5 shows calls for ceiling cassette to be supplied with Merv13 filter. Ceiling cassettes are supplied with a decorative panel that is integral with a washable filter and is not able to perform with a Merv13 rated filter. Please advise if factory supplied washable filter is acceptable. If washable filter is not acceptable, please advise supplier that is capable of providing a ceiling cassette unit with Merv13 filtration as no supplier is noted as a basis of design.

RESP: Per internet search it appears Daikin provides the MERV 13 disposable filter option and other manufacturers. MERV 13 is LEED requirement. MERV 8 is minimum per LEED for unit operation during construction.

56. Section 32 16 13 Concrete Sidewalks and Curbs and gutters = 5-7% air content and Section 32 13 11 Concrete Pavement for Airfields and Other Heavy Duty Pavements = 4+/- 1.5%. We would like to request that the air entrainment be waived for this project. Although many projects have been completed using air entrained concrete, slump loss due to pump placement has made finishing difficult. The onsite addition of HRWR would facilitate placing and finishing, but the onsite addition of HRWR would increase the air entrainment and push it outside of the accepted range. Air entrainment affects slump and slump affects air entrainment, so making these changes onsite after the travel time would be very difficult. Air entrainment is primarily used for freeze-thaw protection (ACI 302.1R-96 "Guide for Concrete Floor and Slab Construction", Section 5.6.1 *Air-entraining admixtures*), which is not an issue in Hawaii. Will the design team (engineer and/or architect) waive this requirement?

**RESP:** Air entrained concrete is required and will not be waived.

57. Please refers to P-908 drawings S120 –S121. These drawings show the dimension of pile caps, but does not indicated the thickness of each pile caps. Please clarify.

**RESP:** See arrow with note pointing to upper right corner of each detail.

58. Throughout the project specification Geotextile Fabric is specified in section 31 32 11 Soil Surface Erosion Control (which is typically used as revetment application.) There are call outs of other geotextile fabric and filter fabric used in different applications (Please see reference list below.) Are there other specified geotextile and filter fabric for these applications?

a. C-512 Detail A4 – Geotextile filter fabric used under aggregate base course for Concrete Block pavement section for fire lane.

**RESP:** The geotextile fabric specified in Section 31 32 11 is acceptable for this condition.

b. C-522 Detail A5- Filter Fabric lap over trench with for Typical Pipe Trench Detail for water and sewer utilities.

**RESP:** The geotextile fabric specified in Section 31 32 11 is acceptable for this condition.

c. C-541 Detail A5- Geotextile filter fabric above and under the Underground Containment Tank.

**RESP:** The geotextile fabric specified in Section 31 32 11 is acceptable for this condition.

59. Sheet C-541 detail A5 calls out a two layer geogrid application above the underground containment tank, after reviewing the projects specifications there was no physical properties or specified geogrid. What physical properties or specified geogrid is used for that application in project?

**RESP:** The two layer geogrid identified in the detail is not required and is to be deleted. See [\*\*Amendment 0003\*\*](#).

60. Detail 1/I-206 calls for a VCT-1 floor at the elevator cab. On Sheet I-203, the elevator cab finish is called out as being CT-1 floor. Please advise the correct finish for the elevator cab.

RESP: DWG I-203 to be corrected to VCT-1. See [Amendment 0003](#).

61. Detail 105-B/I-214 shows the shower wall to be solid surface material. Detail 104-A and 105-C on that same page show the walls to be ceramic tile. Please advise if only one shower wall to be solid surface and the other shower walls are to be ceramic tile?

RESP: DWGs I-213, 215, and 237 to be corrected to show extent of solid surface material on 3-sides of all shower stalls. See [Amendment 0003](#).

62. Detail 5/A-703 shows waterproofing membrane at walls behind the solid surface materials. If there are ceramic tile walls in the shower, is the waterproofing membrane also required behind the tile?

RESP: Yes, see Section 09 30 13, paragraph 2.5.

63. Per Detail 106-B/I-214 interior elevation shows “Base as Scheduled.” What base should we use at this location as there is no finish schedule provided?

RESP: Base to be CTB-1 per DWG I-203.

64. Details 5, 6, and 7 on Sheet A-703 indicate for the floor tile to be Mud-Set with Waterproofing Membrane. The floor plans only show sloping floors at the showers and elevator cabs. Please advise if the entire floor tile to be “Mud Set” with waterproofing?

RESP: See DWGs S-218 and S-221 which show depressed slab areas which include all Men's and Women's lavatory, toilet, locker, and shower areas. No ceramic tile in elevator cab.

65. Please verify that window type W-2 is not blast resistant per the UFC per note 1 on A/622.

RESP: Window type W-3 need not be blast resistant. Note 1 to be corrected to indicate W-1, W-2, and W-4 to be blast resistant. See [Amendment 0003](#).

66. DWGs A-402 & I-233: Room 203A (CO XO RESTROOM) shows base cabinets and counterterop in DWG I-233 but the detailed drawing of 2/A402 and section cut 4/A-703 shows only a countertop. Please clarify what is required.

RESP: Base cabinet details 2/A-701 and 5/A-701 similarly apply with exception to the height and depth. See [Amendment 0003](#).

67. Section 08 34 16.20: Under 08 34 16.20, paragraph 2.3.6 controls, please confirm the master control panel can be either Nema Type 4X or Nema Type 12 enclosure.

RESP: NEMA Type 4X enclosure to be used. Type 12 to be deleted. See [Amendment 0003](#).

68. Section 08 34 16.20: Per the UFGS 08 34 16.20 – Vertical Lift Fabric Door Spec in “Section 2.10.1 Ferrous Metal” states that ferrous metal surfaces shall be hot-dip galvanized AND primed with marine grade primer and epoxy paint. Can you confirm that this should read hot-dip galvanized OR primed with marine grade primer and epoxy paint?

RESP: Per 2.10.1, "Ferrous metal surfaces must be cleaned, prepared and hot-dip galvanized...and primed with a marine grade industrial primer and a compatible epoxy paint approved by the door manufacturer."

69. Notice 2 Q&A 17: We would like clarification to the response to question No 17. With the exception of Items 73, 73A, and 83, there are no specifications for the items designated in the furniture and equipment schedule as CFCI. We are assuming that we are to include the cost of items 73, 73A and 83, which are marker boards and projection screens in our estimate, as they have specifications for these. We are assuming that all other items designated as CFCI are part of the FF&E amount of CLIN 000501 as there are no specifications for these items.

RESP: Items 73 and 73A are CFCI as indicated on drawing I-125. Specification section 10 10 00 does not require marker boards, and only includes tackboards as indicated in section 2.2.

70. DWG S-007: Please provide additional detail regarding the framing obstruction shown on DWG S-007. Will the suspensions of the crane Runway be bolted to the truss members? If so, what is the distance between the obstruction zone and the bottom of the truss member?

RESP: Please bid as specified. Structural roof framing is completely dimensioned in the contract documents. No exceptions taken to rigid runway suspensions bolted directly to the truss members. See contract documents for locations of all roof framing members.

71. Section 01 45 00.00 20 Quality Control, paragraph 1.5.6: Please confirm that the Alt QCM shall have all the same Qualifications as the QCM except is not required to have two years' experience as a QCM. Confirm that requirement is only applicable to the QCM. If an Alt. QCM would have to have two years' experience as a QCM then it would mean having to demote a manager just to fill in a few weeks a year or have someone with no familiarity with project show up when the QCM needs to leave. Confirm it is the intent of this requirement to have a capable person on the staff who can fill in when the QCM is unable to be onsite.

RESP: The Alternate QC Manager must meet all the qualifications of the QC Manager including the years of experience.

72. Notice No. 2, Question No. 17: Please confirm that the cost for all CFCI and GFCI items listed on Drawing I-121 through I-126 is part of CLIN Item No.005 FURNITURE, FIXTURES AND EQUIPMENT on Price Proposal schedule, which is Planned Modification.

RESP: That is correct.

73. Notice No. 2, Question No. 17: If only some of items are included in the CLIN No. 005, please clarify which item is included in the CLIN No.005 and which item shall be included in CLIN No. 002.

RESP: See response to Question No. 72.

74. Does the open web steel joists need to be hot-dip galvanized or is standard gray primer painted finish acceptable?

RESP: Hot-dip galvanized is required per Section 05 20 19, 1.2. Standard gray primer painted finish is NOT acceptable.

75. Section 03 30 00 Cast In Place Concrete, paragraph 1.6.4.4 Aggregates:  
Will the design team accept C1293 for aggregate ASR qualification on this and future non-airfield pavement projects?

RESP: Please bid as specified.

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