

# Hangar 456 Site Visit Questions

**Q1)** May we have a copy of the site visit attendees?

**A1)** We have attached a list of the vendors that attended the site visit and have attached a copy of the interested vendors list from the solicitation posting on FBO.gov

**Q2)** When are questions going to be answered so they can be discussed with the subcontractors? Will there be an extension?

**A2)** Questions have been answered and posted on FBO, according Amendment #3, posted on FBO.gov, the bid due date is extended to 9 April, and no additional extensions are anticipated by the CO at this time

**Q3)** Is the administration area a bid option or part of the base bid, because it is written 2 different ways?

**A3)** Base Bid.

**Q4)** The solicitation calls for a required R-Value, but we were not able to find it, so where is it?

**A4)** Please refer to Section 8 on page 25 of the SOW.

**Q5)** In the solicitation it talks about an either/or design possibly for a wall panel of a standard wall panel vs. a sandwich wall panel. But in the also in the solicitation it requires it must match the panel in Hanger 450 which is a sandwich wall panel. What is the exact desire?

**A5)** Use Sandwich Panels.

**Q6)** Will there be any as-built drawings sent out to bidders on Hanger 450 for viewing. Are you going to put them out for the bidders on an addendum?

**A6)** Record drawings shall be made available to the awarded bidder.

**Q7)** Where is the laydown yard going to be?

**A7)** Exact laydown yards will be delineated after the Bid has been awarded. See Q44.

**Q8)** What will be the route for equipment access to the Hangar?

**A8)** Equipment access routes TBD after award. For bid purposes it can be assumed that the road NW of Hangar 456 will provide access.

**Q9)** What will be the haul routes in and out of the base? The technical specifications of the SOW say that you (Contracting/CE) will provide the route?

**A9)** Haul routes TBD after award. For bid purposes it can be assumed that the road NW of Hangar 456 will provide access.

**Q10)** According to the SOW, salvageable materials in the Hangar are shown on the drawings, however none are actually shown on the drawings. During Hangar 450, there were salvageable items (such as the electrical outlets). Are there no salvageable materials this time?

**A10)** The drawings show some existing materials. For materials or equipment not required by the SOW to be turned over to the government, Contractor shall determine what is or is not salvageable.

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**Q11)** Are mule plugs required?

**A11)** Leave physical space for the 400 Hz converter in the mechanical room and leave space and capacity in the panelboards for the mule plugs, 400 Hz converter, etc. The plugs, conduit, etc. will not be installed under this contract.

**Q12)** Please elaborate and government interpretation of Section L, A(1), (d): "Use of Non-Governmental Advisors - Non-Governmental Advisors will not be used in this acquisition".

**A12)** The government will not use Non-Government Advisors on the contract at this time (i.e. we do not have any 3<sup>rd</sup> party contractor providing assistance to the government for support of the development, evaluation or oversight of this acquisition).

**Q13)** It means, Government intent contractors are to use ONLY "Government Advisors". If that's the case, please provide the list of "Government Advisors" and their interest in this acquisition.

**A13)** See answer to Q12.

**Q14)** Reference of FAR 9.505 is confusing, under Section L, A(1), (d): "Use of Non-Governmental Advisors". Why is it part of Section L, A(1), (d)?

**A14)** The government is required to notify you if we intend to use Non-Governmental Advisors to assist in the development evaluation, or oversight of an acquisition.

**Q15)** Will PCO consider accepting Electronic submission of proposal, followed by hard copy?

**A15)** No, proposals shall be submitted as stated in the solicitation.

**Q16)** Please provide the Columbus AFB Base Maps.

**A16)** See Pages 1 and 13-17 of the Concept Drawings (Attachment 2).

**Q17)** Please provide plans of the surroundings of hanger 456 including all building numbers.

**A17)** See answer to Q16.

**Q18)** Please provide complete As-Built for hanger 450 for prototype to use for hanger 456, so, consistency can be maintained for hanger 456.

**A18)** See answer to Q6.

**Q19)** Identify and provide list of salvageable equipment.

**A19)** See answer to Q10.

**Q20)** Provide list of Construction flaws and deficiencies in Hanger 450 (and its addition).

**A20)** See A119.

**Q21)** Provide per; 4.UTILITIES (C): Demolition and Removal: Government provided documents show locations and sizes of existing structures and utilities.

**A21)** See Pages 13-17 of the Concept Drawings (Attachment 2).

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**Q22)** It seems lot of time for government review of 21 days for 35% and 65% submittal and 14 days for 95% submittal. It also requires on-site conference within 7 days after each submission.

**A22)** No question asked, therefore no answer provided.

**Q23)** If contractor's submittal is delayed by 1 day, Government review time will be increased substantially. Does same thing apply to contractors, if Government delayed by 1 day?

**A23)** The first sentence above is incorrect. If government is late, the CO may allow an appropriate project time extension.

**Q24)** Under instruction L, Volume I, subfactor (f); proposed schedule: "Provide detailed Project Schedule (WBS).....". Is MS Project schedule acceptable?

**A24)** No.

**Q25)** Please Clarify if the Admin area is included in the Base bid, or if it is an option? SF 1442 list's only one CLIN, Bid Tab sheet indicates included in base bid, SOW seems to read as one Bid, However Drawings indicate base that does not include Admin area and actually calls it an option? Also please verify that bid tab sheet is for information only and will not be used as a method to delete or add scope to the project?

**A25)** All references to bid options or CLINs have been removed from the drawings. The Bid Sheet is for Information purposes. However, all data provided may be used during the life of the project for potential modifications.

**Q26)** Technical Package requires Past/Performance Questionnaire's to be sent to each Points of contact Identified in Past Performance Part 3 of the package. It appears that several of the Points of Contacts have retired since projects have been completed. Is it possible to Submit the CCAS Evaluations that were completed on these projects in lieu of Questionnaire's specified.

**A26)** The Offeror may choose the appropriate projects to submit as questionnaires. If the Offeror chooses to submit any additional information to be reviewed from CCASS ratings (as identified in the Section M paragraph 2) that will be accepted as long as it conforms to the requirements of the solicitation.

**Q27)** Fabric Door, Please Verify what the min. clear open Width and Height requirement will be for the door?

**A27)** See Concept Drawings (Attachment 2).

**Q28)** Please verify Interior construction of Admin area regarding doors. It appears that only one door will allow access to the Hangar through the Locker room area. Is this the only the door that shall receive a STC rating of 55.

**A28)** No. See answer to Q123.

**Q29)** Please identify doors that will require Card Readers and X09 Locks.

**A29)** To be determined during the design process.

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**Q30)** Attachment 1 Design and Construction Differentiated: Number 4) Full construction administration services shall be provided by appropriate DPs including review and (if acceptable) approval of submittals, bi-monthly construction progress site visits and reports, physical attendance at not less than two construction progress meetings per month and development of clarification drawings as necessary or requested by CAFB. Please clarify? Is it the intent to have all DP's at an onsite Progress meeting twice a month during the entire construction period? Can the DP's be available by Conference Call or other Means (Web meeting, Skype) for progress meetings? Is it the intent to have only the required DP's available for a meetings...the issue is specific to that DP's portion of the work?

**A30)** No. Only the DPS required for the construction in-progress. Only if adequate (as determined by government) photo-documentation of work progress is provided for everyone in the meetings. The government reserves the right to call in-person meetings if it determines the photo-docs are inadequate. Yes, only the relevant DPs will be required for meetings.

**Q31)** Can contractor provide concrete Drive in lieu of Asphalt drive as annotated on Concept drawings?

**A31)** To be determined during the design process.

**Q32)** Please Clarify what rooms will require which type flooring: For Example which rooms will require Static Dissipative VCT, and which rooms will require standard VCT.

**A32)** See answer to Q33.

**Q33)** Please Clarify. Attachment 1 Floor Finishes number 1) indicates that Maintenance Area will be Stained concrete. Number. 4) Indicates Maintenance Area (Main Hangar) to have Epoxy finish. Please Clarify type of Floor finish for each Area identified on Concept drawings?

**A33)** Use Stained Concrete in: AFFF Room, Storage Room, Electrical/Mechanical Room, and Communications Room. Use carpet: Conference/Training Room, Corridor, 3-Offices, Secretary Space. Porcelain Tile: Reception, Corridor, Lockers, Men, Janitor, Women. Heavy Duty Epoxy Coating: Maintenance Area 118 (Main Hangar Space).

**Q34)** Attachment 1 11. Electrical Systems B. Some of the existing electrical equipment is salvageable, however. See drawings for information on what equipment shall be salvaged and what equipment may be salvaged at the contractor's option. Please Clarify this Statement? Nothing could be located on the concept drawings. Also, is the intent that some of the existing devices can be reused... such as special plugs/connectors....if so are we to assume they are in proper working order...

**A34)** See answer to Q10.

**Q35)** Please confirm that a Site superintendent and Quality control manager are the only positions required to be onsite constant throughout each day. Also confirm that the Site Superintendent and Quality Control Manager can't be the same person?

**A35)** Both are confirmed.

**Q36)** Please confirm that the Project manager will not be required to be onsite every day?

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**A36)** Confirmed.

**Q37)** Please Confirm that the Quality control manager can also act and the Site Safety and Health manager?

**A37)** Confirmed.

**Q38)** Will Contractor be allowed to include in Design submissions, appropriate product data, shop drawings, and other normally considered submittal data, so that once the design is approved that all items included in the design submissions are approved... Example if we submit shop level shop drawings for Fire Protection to include the proper product data during the design phase, will there still be a need to provide submittals? The intent of the Question is to allow the contractor to Specify and provide proper data for all items to be installed in the project during the design phase. This will reduce the overall time period of the contract, and allow for some materials to be ordered during the design phase, to reduce the lead times on certain items during the construction period.

**A38)** No system, product, equipment, material, etc. submittals will be approved prior to 100% Design Completion. However, Contractor may submit shop-drawings (for example, Fire Protection) within a design submittal provided those drawings have been prepared under the supervision of Design Professional(s). Approval of shop drawings which are part of design submittals shall only be complete when drawings are 100% complete. Shop drawings are therefore subject to the same reviews and changes as all other design drawings.

**Q39)** Will the contractor be allowed to start any construction work during the design phase (Fast Track)? Once items say demolition, underground, site work, footing and foundations are approved, can that work begin?

**A39)** Only demolition and set-up of staging yard(s) will be allowed to start before drawings are 100% complete, provided the Demolition Drawings are complete to the satisfaction of the 14CES.

**Q40)** It appears in comparing SOL and Attachment 1, that 2 NTP's will be issued on the project 1 for design and 1 for construction, please confirm. Confirmed. Also Confirm that all site investigations for design will take place after award, but before NTP for design and prior to Preconstruction conference.

**A40)** This is not true. Site investigations begin after award and continue throughout design.

**Q41)** Section M of Sol (c) number (2) Safety and Health manager Certified. Please clarify what is required for this position, who does the certification? If the Safety and Health manager is current in OSHA 30Hr, and CQC current with Corp of Engineers will this qualify for this position? Please clarify if the Safety and Health manager position if a full time onsite position.

**A41)** A Safety and Health Manager current in OSHA 30Hr and CQC current with the Corp of Engineers will qualify as a Safety and Health manager. The Safety and Health Manager is a full time onsite position.

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**Q42)** Scope of work suggest that the conference room should have a STC rating of 55, it was noted at the site visit that the existing Admin area had a hard cap, is it the intent of the statement of work that the admin area and/ or conference room should have a rating of STC 55?

**A42)** The conference room STC shall be 55 or better.

**Q43)** Does the existing Hangar to include outside wall panels contain any other Hazardous materials, other than the materials identified as containing asbestos? Eg. Lead based paint, PCB's?

**A43)** Information provided to the bidders is "to the knowledge and belief" of CAFB, i.e. not guaranteed to be complete. If additional hazardous materials are discovered during construction, the SOW directs the action(s) that Contractor shall take.

**Q44)** Please verify the size of the area in front of the Hangar, per the site visit, that can be used for a contractor lay down area?

**A44)** Contractor may use areas: (1) From back of Hangar 456 to the edge of the road; (2) from NE face of Hangar 456 northeast to within 15' of SW face of the Fuel Systems Maintenance Hangar; and (3) extending 100' SE from the SE face (flightline side) of Hangar 456. These figures are approximate and subject to change.

**Q45)** Please identify roofing material required for Flat roof area's on opposite sides of existing Hangar doors located on Hangar 450?

**A45)** TBD during design phase by Design Professionals as approved by CEPM.

**Q46)** Although, the sol. States Under 6. Construction quality of Design, that CAFB will not solicit bids from other contractor's using the contractor's designs. Can CAFB Provide As-Built drawings for Building 450 for bidding purposes?

**A46)** Record drawings will not be provided for bidding. They will be provided for design.

**Q47)** Are we to provide a stone cap to the brick wainscot? Existing Hangar we are to match does not have this detail.

**A47)** See answer to Q141.

**Q48)** Conference/Training walls are to be STC 55 rated. Is door to be rated STC 55 as well?

**A48)** See answer to Q123.

**Q49)** Please explain the "flaws and deficiencies" referred to in the signage at Hangar 450 that the contractor is to avoid.

**A49)** See Items E1-3 on pages 5 & 6 of the SOW. See A119.

**Q50)** UFC 3-301-01, "Structural Engineering", 1 June 2013 should be included since it gives the wind and seismic data for the site.

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**A50)** The Codes and References section on page 20 states: “Design and construction shall comply with the most current applicable state and federal laws, regulations, codes and government and private publications including all S&R in section 1.2 above and...”

**Q51)** ASCE 7-05 is out of date; ASCE 7-10 is recommended and is referenced in UFC 3-301-01, where the wind speeds for Columbus AFB are given. The wind speeds are different and the design wind pressure are calculated differently between ASCE 7-05 and ASCE 7-10, so it is important that the correct wind speed be used with the correct code.

**A51)** The Codes and References section on page 20 states: “Design and construction shall comply with the most current applicable state and federal laws, regulations, codes and government and private publications including all S&R in section 1.2 above and...”

**Q52)** Will you confirm that the Mississippi State Contractor’s Tax applies?

**A52)** According to FAR 29.303, and Mississippi Tax Incentive, Exemptions and Credits, Section F.2. Pg 109, the MS State Contractor’s Tax will apply. Please reference Department of Revenue Website.

**Q53)** In light of the number and magnitude of the RFIs, as well as the fact that to mail hard copies of our proposal which will have to be mailed Thursday March 20 in order to arrive at your location by March 24, will you postpone the bid by Close of Business March 19?

**A53)** Yes the proposals were extended to 9 April 2014.

**Q54)** How long will it take for RFIs (Requests for Information) to be processed? Up to 10 business days. Most will take 3-4 business days.

**Q55)** Can we use PPIRs in lieu of Past Performance Questionnaires?

**A55)** The government utilizes PPIRs in conjunction with PPQs. We are looking for data from PPIRs as well as PPQs, please see Section M 2, in the solicitation.

**Q56)** Will there be any ingress into construction zones by the occupants during construction phase of work? If so, who will monitor these occupants?

**A56)** No, only the CE inspectors will be allowed into the construction zones. The Contractor shall have full control of the construction areas under direction of the CO.

**Q57)** Will days be given by modification for safety related delays (i.e. wind during the replacement of the roof panels)?

**A57)** The government allows for weather days. Weather days should be tracked by the contractor and validated by the government (no work able to be completed). The government will compare the contractor requested days against the historical average number of days for Mississippi. Weather days above normal average referenced above will be authorized.

**Q58)** Will a contractor lay down yard be provided at the base? Please provide approximate size and location.

**A58)** See answer to Q44.

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**Q59)** Will contractor parking area be provided at building site?

**A59)** Near, not at, the building site.

**Q60)** Will a material staging/storage area be provided near the building site?

**A60)** See answer to Q44.

**Q61)** There will be a vast amount of metal panels removed from the roofs. Please provide instruction as to what the Air Force would like to have done with this scrap metal. For example, does the base have a recycle center or scrap metal company that it regularly uses?

**A61)** Contractor shall dispose of scrap and record how it was disposed.

**Q62)** If escorts are required, will they be supplied at no cost to the subcontractor?

**A62)** We are not providing escorts, this is considered a control area, but the government will create this as a free zone.

**Q63)** In addition to the normal Federal holidays, will there be any operational requirements (such as base readiness or deployment exercises) that will need to be worked around in the Contractors' schedule to ensure no mission conflicts take place? If so, please provide details.

**A63)** Yes. Information regarding exercises and other special operations will be released as determined by Wing Command. Contractor must comply with designated requirements.

**Q64)** We presume that access will be provided all around the building during construction. Is this correct?

**A64)** See answer to Q44.

**Q65)** What are the specific security requirements for getting material and equipment to the secure work site?

**A65)** Reference CAFB0006 as listed in the solicitation, for base access requirements.

**Q66)** Will the Option be awarded at the same time as the base bid?

**A66)** There is no option for this acquisition. Award will only be as listed in schedule B of the solicitation.

**Q67)** If it will be awarded later, how long must we hold the price?

**A67)** See answer to Q66.

**Q68)** Is there a requirement of reflectivity of the roofing material, because of the proximity to the runway?

**A68)** Match the color of Hangar 450.

**Q69)** Because this building is to match Hangar 450, will you be providing Hangar 450 As-Built documents, both drawings and specifications?

**A69)** See Q6.



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**Q70)** Will the Auto-Cad version of the As-Built of the Hangar 450 documents be provided upon award to expedite the design schedule?

**A70)** If available.

**Q71)** Should we presume there will need to be structural modifications to the existing structure to accommodate new equipment and/or finishes (i.e. Foam Generator Mounting, Cranes or Hangar Door Operators)?

**A71)** Yes.

**Q72)** Are we to understand by paragraph 1.1.C.1 “Structure, slab and foundations to remain” that anything that is not “Structure, slab and foundations to remain” will be removed and replaced with new?

**A72)** No. These determinations to be made by DPs after award.

**Q73)** Will a new concrete foundation ledger need to be constructed around the building perimeter to support the new CMU/Brick wainscot?

**A73)** To be determined by the Structural DP in the design phase of the project.

**Q74)** Please confirm that the existing foundations, slab and structure for the AFFF Room and Storage Room are to be demolished and removed for the new construction of this addition.

**A74)** No. These determinations to be made by skillful DPs after award.

**Q75)** Statement of Work paragraph 1.1.C.5 references a “nose dock space”. Will you define nose dock space?

**A75)** The existing building extension from the center of the NW Hangar face.

**Q76)** Drawing S-104 indicates “NEW ROOF FRAMING” at Column Lines D to E and Column Lines 2 to 3 (Column Lines are referenced on A-102). This “Roof Framing” reference is not indicated on A-102. What is this space?

**A76)** Drawings S-104 and A-102 do not agree. Use drawing A-102, thus there will be no walls or roof framing in the areas of Cols 2-3 and D-E.

**Q77)** Drawing C-100 refers to Demolish and Remove Existing Pad for Air Compressor. Who removes the air compressor?

**A77)** Contractor.

**Q78)** Will a new air compressor pad be required?

**A78)** As determined by DPs.

**Q79)** Will a new air compressor be required?

**A79)** Yes.

**Q80)** Will a new compressed air piping/distribution system be required?

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**A80)** Yes.

**Q81)** Drawing C-100 refers to existing holding tank area to be demolished and removed as part of Bid Option 3 CLIN 7. There is neither Bid Option 3 nor CLIN 7. Will you explain?

**A81)** All references to bid options or CLINs have been removed from the drawings..

**Q82)** Drawing C-101 indicates new sidewalks and new asphalt drive. Are the unmarked areas between sidewalks/paving/buildings to be plantings?

**A82)** These areas, in addition to all on-site disturbed areas not being paved, shall receive sod.

**Q83)** Will the landscaped area be irrigated?

**A83)** No.

**Q84)** Is there a requirement to sandblast/strip the existing hangar floor finish and reinstall new finish?

**A84)** A new epoxy-floor finish to equal or exceed the new floor in Hangar 450. Prepare the existing floor/slab as required by the epoxy flooring manufacturer

**Q85)** What R value is required at the composite siding on the hangar walls?

**A85)** See answer to Q138.

**Q86)** The Floor Plans issued with the RFP make no reference what-so-ever of toilets in this Hangar. Is this correct?

**A86)** No. See Sheet A-102 of the Concept Drawings: Cols. 1-3 and H-J.

**Q87)** Base Bid document indicates no door going into Storage Room 116. The plan with the Option indicates an overhead door. Is the door part of the base bid or option?

**A87)** Base Bid. See keynote-1 Sheet A-102 of the Concept Drawings.

**Q88)** Likewise the Base Bid document indicate no door going into the adjacent building but the Option plan indicates a large overhead going into the adjacent building. Is the door part of the base bid or option?

**A88)** Provide a large overhead door in Base Bid.

**Q89)** The documents indicate the existing structure is to be repainted. It does not reference removal of existing paint. Are we to anticipate that we do not need to remove the existing paint?

**A89)** No. Prepare existing surfaces according to paint manufacturer's instructions.

**Q90)** Has the paint on the existing steel structure been tested for lead?

**A90)** Some lead tests were done. CAFB cannot guarantee that no lead-based paint exists.

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**Q91)** Hangar 456 Asbestos survey appears to be antiquated and outside the typical 3 years or more window. Will you issue a current Environmental Assessment?

**A91)** No additional information will be provided at this time.

**Q92)** The Survey looks incomplete, the first 6 of 20 pages (i.e. no inspector's signature, location sample map, etc.).

**A92)** No additional information will be provided at this time.

**Q93)** Have the aluminum foil panels been tested for asbestos? Don't see any kind of description for this material on the asbestos survey that was provided.

**A93)** No additional information will be provided at this time.

**Q94)** The only identified ACM is "Board Type Wall – Sheetrock". The location is titled MR01MER1 and MR01MER2. Where are these locations? Also, there are two square footages used for this MR01MER1 and MR01MER2 homogenous area (570 SF and 285 SF). Which square footage is correct?

**A94)** The two referenced locations are in the existing mechanical rooms (aka mechanical buildings) on each back corner of the Hangar. Use a square footage of 247 for each mechanical room.

**Q95)** Pages 15, 16 and 18 have a note at the top stating "Information shown is incomplete. Contact CEV to coordinate SOW" and pages 17 and 19 are blank. Are these pages left blank intentionally?

**A95)** The "Information Shown Is Incomplete" is a disclaimer from the Asbestos Inventory company indicating that samples were taken only on the basis of observation without cutting into any material. The blank pages are intentionally left blank.

**Q96)** Are gambrel lifts to be removed and eliminated? They do not exist in 450.

**A96)** Yes.

**Q97)** What is the curtain wall hanging from the ceiling deck for in 450? It is located about 1/3 to 1/4 of the way from the west end of the hangar. Is it required in 456?

**A97)** Yes. See answer to Q117.

**Q98)** Will a copy of the attendance list be made available to all bidders?

**A98)** See answer to Q1.

**Q99)** Can the bid date be extended to a later date since questions are not due until Tuesday, 3/18/14 and the proposal package will have to be sent out overnight mail on Thursday, 3/20/14 to ensure arrival on time on Monday morning, 3/24/14? This does not allow time to contact subcontractors and suppliers to address answers that may affect pricing, thus we will not receive pricing in time to complete the proposal.

**A99)** See answer to Q2.

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**Q100)** Will Q&A be sent to bidders who are only posted on FBO? When will they be available to bidders?

**A100)** Questions and Answers will be posted on FBO.gov. Anyone may gain access to the website and this acquisition.

**Q101)** Is the administration area a bid option or part of the base bid?

**A101)** See answer to Q66.

**Q102)** Is a required R value specified?

**A102)** Roof = R-30 or better. Walls = R-19 or better.

**Q103)** The RFP offers wall panel options but also says to match Bldg 450. Which is correct?

**A103)** Match Hangar 450.

**Q104)** Please verify the lay down yard is fencing required?

**A104)** See Item E on SOW page 79.

**Q105)** Is there a specific vehicle/equipment ingress/egress route?

**A105)** TBD after award. For bid purposes it can be assumed that the road NW of Hangar 456 will provide access.

**Q106)** Are any materials that are to be removed to be considered to be salvaged and reused in the new building?

**A106)** See answer to Q10.

**Q107)** What is to be done with the two flat roofs on each end of the building?

**A107)** See answer to Q45.

**Q108)** Hangar Door appears to have a Clear Width of 197'-3" - confirm acceptable or provide MINIMUM CLEAR WIDTH?

**A108)** See Concept Drawings Floor Plan A-102.

**Q109)** Hangar Door appears to have a Clear Height of 18'-9" - confirm acceptable or provide MINIMUM CLEAR HEIGHT?

**A109)** See Concept Drawings Structural Framing Dwg. S-101.

**Q110)** What was the size of the Door in Building 450 (referenced in the RFP)?

**A110)** Bid according to door shown on Concept Drawings. See Q108 and Q109.

**Q111)** Page 17 of 90 indicates that we are to include measures for both and site Anti-Terrorism, Force Protection. We are also directed to match Bldg 450, which has no apparent ATFP requirements built. Which is correct?

**A111)** Match Hangar 450 re: ATFP requirements.

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**Q112)**The lightning protection for the Hangar 456 will not be able to be UL certified or listed without the Building between the hangar 450 and 456 also included. Should the Building between the two hangars with the low roof be included in the scope?

**A112)** No. See Q133.

**Q113)**Is there any information additional for the incoming data/comm. riser in coming fiber and copper cable, what is required and where is the connection to give us information as to underground or overhead and by who is the outside plant to be installed?

**A113)** See Q127.

**Q114)**The “MULE RECEPTACLE” for the 480 volt 3 phase pin/sleeve Crouse hinds assembly is all removed where in Hangar 450 they are all present. Are there supposed to be the new MULE PLUGS installed in the updated Building 456 same as 450? The sow does not address? These are very costly.

**A114)** See Q11.

**Q115)**The existing interior High Bay light fixtures are not old. Are they to be reused in the renovated hangar? It is noted that retaining, removing, storing, and re-installing would be necessary.

**A115)** Do not re-use the existing light fixtures.

**Q116)**Several references to 190 bid validity. Are you aware that this requirement will inflate prices substantially on a ROM budget that is already tough to accomplish. Could you not achieve the same validity duration by using 90 days in the original requirement and asking on the 89th day to hold our bids for q another 90 days?

**A116)** Bids must be valid until 30 September 2014.

**Q117)**Will the draft curtain observed in Hangar 450 be required in Hangar 456?

**A117)** Yes.

**Q118)**In that Hangar 450 will be used as a “base line” for the design of Hangar 456, SOW Page 5 item D, will full drawings, specifications and design analysis of Hangar 450 be made available to the contract winner?

**A118)** All available record drawings will be copied to the awarded Bidder.

**Q119)**SOW page 5 item E lists the deficient items of Hangar 450 that are not to be repeated in the renovation of Hangar 456. Is this list comprehensive?

**A119)** No. Design Professionals, CEPM and CMI may during the design phase identify flaws and deficiencies in addition to those listed in the SOW. Flaws and deficiencies will be limited to those which would be deleterious to the quality of construction or to design and construction best practice.

**Q120)**Can mechanical equipment be commissioned by the mechanical designer of record?

**A120)** No. A third party is required.

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**Q121)** On page 66 of 90 in the Statement of Work, Section D *100% Design Drawings*, Note No. 8 says that no work will begin until the 100% Design has been finally approved. The defined durations and phases of the Design Submittal process is fairly lengthy (*see page 64 of 90*) and coupled with a 35 day (*page 75 of 90*) review period for construction submittals afterward, the amount of time for construction is significantly reduced. Will the government be willing to consider a “fast-track” option for this project, where demolition may begin after 35% or 65% design approval, allowing maximal time for actual construction operations?

**A121)** See answer to Q143.

**Q122)** Are we to provide a stone cap to the brick wainscot? Existing Hangar we are to match does not have this detail.

**A122)** See answer to Q141.

**Q123)** Conference/Training walls are to be STC 55 rated. Is door to be rated STC 55 as well?

**A123)** Yes. A door's STC shall equal or exceed the STC of the wall into which it is installed.

**Q124)** Please explain the “flaws and deficiencies” referred to in the signage at Hangar 450 that the contractor is to avoid.

**A124)** See Q119 and A119. See answer to Q49.

**Q125)** UFC 3-301-01, “Structural Engineering”, 1 June 2013 should be included since it gives the wind and seismic data for the site.

**A125)** See page 20 Section 7(a) *Codes and References*: Design and construction shall comply with the most current applicable state and federal laws, regulations, codes and government and private publications including all S&R in section 1.2 above and the following:

**Q126)** ASCE 7-05 is out of date; ASCE 7-10 is recommended and is referenced in UFC 3-301-01, where the wind speeds for Columbus AFB are given. The wind speeds are different and the design wind pressure are calculated differently between ASCE 7-05 and ASCE 7-10, so it is important that the correct wind speed be used with the correct code.

**A126)** See page 20 Section 7(a) *Codes and References*: Design and construction shall comply with the most current applicable state and federal laws, regulations, codes and government and private publications including all S&R in section 1.2 above and the following:

**Q127)** Is there any information additional for the incoming data/comm. riser in coming fiber and copper cable, what is required and where is the connection to give us information as to underground or overhead and by whom is the outside plant to be installed?

**A127)** CAFB Communications Squadron will install incoming copper, fiber, etc. cabling. They will come in underground. This will be coordinated with the Comm. Squadron in the design phase of the project. Contractor shall provide painted ¾” x 4’ x 8’ backboards along two walls of the Communications Room.

## Hangar 456 Site Visit Questions

**Q128)**The “MULE RECEPTACLE” for the 480 volt 3 phase pin/sleeve Crouse hinds assembly is all removed where in Hangar 450 they are all present. Are there supposed to be the new MULE PLUGS installed in the updated Building 456 same as 450? The SOW does not address? These receptacles are very expensive.

**A128)** See Q11.

**Q129)**The existing interior High Bay light fixtures are not old, are they to be reused in the renovated hangar. It is noted that retaining, removing, storing, and re-installing would be necessary?

**A129)** See Q115.

**Q130)**Is daylight harvesting a requirement for the Hangar area?

**A130)** Required.

**Q131)**Item G18) Special Equipment – requires removing the 400 HZ generator and replacing with a new inverter. Are the outlets for this system to be replaced with new?

**A131)** No. Turn over existing receptacles to the government. Regarding the “new inverter” see Q11.

**Q132)**Item G 19) GFI Receptacles – Solicitation requires receptacles every 100 LF on the exterior wall. These were not constructed on the Hangar 450. Are these receptacles required to be installed, and if so will surface mounted receptacles be acceptable?

**A132)** Yes., these receptacles must be installed, and they must be recessed into the brick.

**Q133)**Item H. Lightning Protection - solicitation requires attainment of a UL Master Label. That certification would require the upgrading of the adjacent and connected buildings to Hangar 456. Please confirm that all additional Lightning Protection work on adjacent and connected buildings to attain the UL Master Label certification is required under this contract?

**A133)** Lightning Protection requirements apply only to Hangar 456 which shall be designed to attain Master Label certification as if it were a stand-alone building.

**Q134)**Section 12 Electronic Systems – solicitation requires connections of these systems for power via emergency generator system. Is this connection to an emergency generator system a new stand-alone emergency generator in Hangar 456 or is this tying into an existing emergency power system already in place for Hangar 450 and its Admin area?

**A134)** Emergency power must provide for Overhead Hangar Doors to be opened or closed at least once, if 4-County power becomes unavailable. Beyond this no emergency power is required.

**Q135)**Section 14 Corrosion Control and Cathodic Protection – Solicitation states “as necessary”. Past construction at the Base has always seemed to require sacrificial anode system on all underground piping (other than PVC pipe itself). Please confirm that

## Hangar 456 Site Visit Questions

Cathodic Protection utilizing sacrificial anode systems for underground piping systems are required?

**A135)** The sacrificial anode system may be used, but plastic pipe is preferred for new construction.

**Q136)**What is the limitation on distance from the hangar door onto the tarmac (flight line) for our laydown area in regards to the installation of construction fencing?

**A136)** See A44.

**Q137)**SOW Page 11, Note 2 under Concrete Containment Area, please verify that any remediation of any contaminated materials found, are outside this contract and will be addressed in a modification to the contract?

**A137)** Yes, these would be addressed in a modification.

**Q138)**What is the R value requirement for exterior walls of the hangar?

**A138)** Not less than 19.

**Q139)**SOW, page 17, Note 5 on Exterior Doors, are the exterior doors to Room 108 and 110 to be the aluminum/glass storefront doors and frames mentioned in this item with all others being HM steel doors per Hangar 450?

**A139)** Rooms 108 and 110 do not have exterior doors. Exterior Corridor 112 Door and Reception 101 Doors shall be the commercial grade aluminum with a 3-coat fluoro-polymer coating system color to match window frame color.

**Q140)**SOW Page 17, Notes 1 and 2 allow a metal panel siding or an alternate insulated metal sandwich panel. The solicitation also requires construction to match previous construction on Hangar 450 which is insulated metal sandwich panel. Which is correct?

**A140)** Match metal sandwich panels on Hangar 450.

**Q141)**5A. Also on the same note, the solicitation requires a “precast concrete cap” for regular metal panel siding selection. And on the metal sandwich panel alternate this precast concrete cap is not required, nor was it constructed on the Hangar 450. Please confirm that if metal sandwich panel construction is required as on Hangar 450, that no precast concrete cap will be required?

**A141)** Wall cap(s) as on Hangar 456 may be provided.

**Q142)**SOW, Page 34, Note E, states “HEFFSS may require onsite containment. Verify HEFFSS containment requirements with the appropriate facility environmental engineer.” Please confirm if onsite containment for the HEFFSS is required or not?

**A142)** Other than the OH Door, no containment is required.

**Q143)**The period of performance required by the solicitation is 390 calendar days and the solicitation also requires 105 days of Government review time for design and construction submittals. Including the Government review time, the Base requirement for work hours



## Hangar 456 Site Visit Questions

of M-F, 7:30 AM to 4:15 PM, and also the long lead times of the architectural metals for the project, it would appear that the period of performance as stated in the solicitation is inadequate time for a realistic contract schedule, unless the Contractor adds in significant amounts of overtime hours by each trade and the Government allows work over 8 hours per day and during seven days per week. Would the Government increase the period of performance by the amount of Government review time of 105 days and allow a contract POP of 495 calendar days to help reduce the cost of the overall contract by these large amounts of overtime labor costs?

**A143)** The period of performance has been increased to 495 days. See block 11 on the SF1442.

**Q144)** Will you answer questions individually?

**A144)** Each question submitted will receive an answer.

**Q145)** Regarding the ends of the building, there are two flat roofs that are not mentioned in the SOW. What type of roof is that?

**A145)** See Q45.

**Q146)** Are we allowed to use our PPIRS evaluations in lieu of the PPQs as clients have complained in the past for having to fill out multiple PPQs.

**A146)** Refer to Question 55.

