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Date: **26 April 2021**

To: **SMSgt. William Hall**

Subject: **RESPONSES TO RFI #00**1

Project: **F-35 – REPAIR WEAPONS SHOP BLDG 1312**

Job #: **ANG# FAKZ172004 / 182106 / SSL# 16107 / 18075**

From: **David Donovan**

1) Temporary Facility – Please confirm the duration of 60 days from NTP to construct and turnover the Transition Space. Was time for the submittal approval process and material procurement considered when this duration was coordinated? Due to the pandemic, lead times for material are not normal.
Response: Yes. Duration listed includes submittal approval process and material procurement. Duration has been extended to address lead times. Refer to Addendum No. 1.

2) Division One Requirements – Please confirm that a fulltime designated Site Safety Health Officer is not a requirement for this project.
Response: Contractor shall staff the project site as deemed necessary for the successful completion of the project and as required to maintain safety and quality requirements. Minimum project supervision requirements are listed in the division one requirements – reference section 01 3000 Administrative Requirements.

3) Temporary Facility – Please confirm that restrooms are not required for the temporary facility.
Response: Confirmed. Restroom facilities are not required.

4) Temporary Heating & Cooling – Specification Section 01 5100 – 1.05 states to provide temporary heating and cooling to maintain specified conditions throughout construction operations. Please confirm that this is a requirement.
Response: Contractor is responsible to maintain minimum or maximum ambient temperatures and/or relative humidity limitations required by product/system manufacturers and/or project specifications (whichever is more stringent) as required to ensure proper installation and performance of specified products/systems. Required temperature and humidity limitations must be maintained prior to, during, and following installation of

products/systems in accordance with manufacturer's recommendation and project specification. Permanent facility systems may be utilized to provide temporary heating, cooling, and humidity control at the Contractor's discretion provided permanent systems are protected from damage in accordance with project requirements and industry standards.

5) Environmental Compliance - Please confirm if a site-specific Erosion Control Sediment Pollution Design is required for state approval to acquire permit. If so, what is the review and approval duration of local and state authorities.
Response: As stated in general soil erosion and sediment control notes on sheet C7.1, an Alabama Department of Environmental Management NPDES permit will be required. Contractor is required to furnish all design and construction inspection services mandated by the ADEM permit requirements. Contractor shall reference ADEM standards and/or contact ADEM representatives regarding anticipated approval durations.

6) Please provide POC information for Johnson Controls (HVAC Controls), Advantor Security (Security Systems), and Utility Contractors that maintain utilities for the base.
Response:

Johnson Controls –

Haynes Litchfield, howard.haynes.litchfield@jci.com; 334-318-7863

ADVANTOR Systems:

Mike Ollivier - ollivier@advantor.com; (800) 438-6415
Jerrica Hines - hines@advantor.com; (800) 438-6415

Utility Contractors –

Base utilities are maintained by the 187th Civil Engineering Squadron. The Contractor shall include within their bid all costs for installation of new/modification of existing utilities indicated on the drawings. All work shall be provided by a private contractor competent and qualified to perform the scope of work indicated on the drawings.

7) Monorail Hoist - Please provide Manufacturer and Model number of existing Monorail and Hoist System that is to remain.
Response: The existing hoist is a Yale LH series, 1 ton capacity. The existing trolley is a Yale YWA series manual trolley.

8) Sheet A10.3 shows Chain Link Fencing but there is no specification found for this. Please advise.
Response: Refer to Addendum No. 1. Chain link fencing specification has been added.

9) C10.1 Demolition Legend. The legend on drawing sheet C10.1 indicates that there are curbs and or gutters to be demoed. The line dashed lines as shown in the legend do not appear in the drawing. Please advise.
Response: Reference the asphalt paved drive/parking area to the East and South of Building 1312 that are indicated to be demolished and replaced with new concrete paving. The existing curb and/or guttergutter surrounding this area is also intended to be demolished and is indicated with dashed lines matching the drawing legend.

10) C4.1 Utilities Legend. The legend on drawing sheet C4.1 indicates that there are new gas lines, sanitary sewer lines, storm manholes and grates. The line weight or line thickness as shown in the legend do not appear in the drawing. Please advise.
Response: The scope of work does not include any new gas lines or sanitary sewer lines. Existing gas and sanitary sewer service is intended to remain and be reused. Project does include new storm drainage lines; however, new storm drainage lines are intended to discharge into existing storm drainage lines and structures (manholes, inlets, etc…). The design does not include any new storm drainage structures on sheet C4.1. However, new storm drainage structures are required to support construction of the temporary work area as indicated on drawing sheet C13.1.

11) Is there a soil study on this project for the helical piers? If so, can we get a copy of it?
Response: A soil study was not performed for this project. However, we have attached boring logs from a recent adjacent project site to these RFI response for the bidder's reference and use. The boring logs offer soil characteristics that are likely to be encountered at the new helical piers included with the proposed scope of work. The Contractor shall provide helical pier size/depth as required for the system to achieve specified minimum loadings for the pier intended to be provided based upon the expected soil conditions that can be inferred by attached boring logs. Adjustments in cost will not be considered by the Government for longer than expect pier lengths unless substantive deviations from soil composition indicated in the enclosed boring logs can be documented during construction.

12) Specification 00-0102, Page 5, P. 1.07 mentions construction of a Tension Fabric Structure (TFS). The structure location and size's not shown on drawing and described (size, doors, MEP) in the TFS specifications. Can you provide building requirements and the location of the temporary building site? Also we need to know location of existing utilities to connect temporary services.
Response: Refer to drawing sheets C10.1, C11.1, C12.1, C13.1, C14.1, A10.1, A10.2, A10.3, M5.1, E7.1, E7.2 and E7.3 included at the end of the drawing package for complete description of the required tension fabric structure.

13) 00-0102 Page 6 Phase IV directs us to remove concrete and utilities as well as the TFS. Is this an existing concrete slab or new? Who is responsible for the design of the temporary facility?
Response: Refer to temporary facility drawings noted in response to RFI 12 above for full description of the required tension fabric structure. The Contractor is responsible for full design of the temporary structure based upon the proposed manufacturer's specific design requirements and parameters. Concrete slab/footings scheduled for removal are new as indicated on sheets A10.2 and A10.3.

14) DWG A1.1A Shows the area of existing floor to be removed in Phase A. DWG A1.1B shows the area of floor to be removed for Phase B but also show the Phase A floor removal. Please clarify we are only pricing the Phase A removal in Phase A and not again in Phase B.
Response: Bid Option No. 2 shall include the net increase in price to provide the work shown to be part of the bid option that is not included in the base bid scope of work. Where work is duplicated between the base bid and bid option no. 2, the cost for the work shall be included in the base bid proposal and not duplicated in the proposal for bid option no. 2.

15) DWG A1.4A and A1.4B Legends have a tag that says to "remove masonry back-up wall…." I do not see the tag used. Where is this work indicated?
Response: Demolition legend is duplicated on sheets A1.2A, A1.2B, A1.4A, and A1.4B. Masonry backup wall tag referenced on sheets A1.4A and A1.4B is not applicable to those sheets. It is applicable and indicated on A1.2A and A1.2B. Similarly, the "Location of Mechanical Penetrations through existing roof deck…" tag in this legend is not applicable to sheets A1.2A and A1.2B. Work covered by this work note is applicable and indicated on A1.4A and A1.4B.

16) Is bid option 2 pricing to represent the cost difference between the base bid scope and bid option 2 scope changes or is it to be priced as separate to include everything indicated in drawings with a B prefix regardless if B prefix drawings include base bid items. This is confusing because most of the items in the Bid option drawings are part of the base bid. How is this supposed to be delineated?
Response: Yes, Bid Option No. 2 is intended to represent the cost difference between the base bid scope and the bid option 2 scope of work. If work is duplicate between the base bid and bid option drawings, assign the cost of the duplicate work to base bid. Do not duplicate costs in bid option no. 2 that are included within the base bid.

17) #5 No specification on Products to be used in Section 09 9600? There appears to be no basis of Design for the High performance Floor coating system. Is there a basis of design on product system to be used?
Response: Based upon recent government bid requirements, basis of design products are not allowed unless they are justified as limited or sole source requirements. Contractor shall provide multi-coat polyurethane floor coating system meeting the physical characteristics and performance requirements of specification section 09 9600.

18) The H&C product color to be used on the polished Concrete section (H&C Tumbled Stone) is not designed to be used in a polished Concrete system. H&C has another Dye line that is to be used in a polished Concrete system but there is no color selected from this line. The selected color is a semi-transparent acrylic coloring agent that is not polishable. Can the government specify a color from the H&C Infusion Acetone Dye line? There is also no Basis of Design for use of a specific Densifier or Guard product. To my knowledge H&C does not have a densifier and Guard product available. Is there a particular product line they want to use? We prefer to use the Ameripolish System if approved as equal
Response: Refer to Addendum No. 1 for correction of dye line/color. Densifier/guard products acceptable to the proposed system/manufacturer/installer which meet physical and performance criteria listed in the specifications will be considered equal.

19) SMSgt Hall – In the bidding schedule, Bid Item No. 0001 is identified as the Base Bid for subject project and Bid Item No. 0002 is identified as Bid Option #2 for subject project.
Drawing Sheet Number A1.1A is the base bid demo floor plan and Drawing Sheet Number A1.1B is the bid option demo floor plan. Drawing Sheet Number A1.1B does not identify any specific bid option

A review of both drawing sheets reveals that there are some identical specific demolition notes shown on both drawings. The specific demolition notes are listed on Drawing Sheet Number A1.0.

For example, specific demolition note 33 is shown on both drawings. This is somewhat confusing when developing the pricing estimate. That is, is the cost for the work required by specific demolition note 33 required the be included in the Base Bid but also to be included in the Bid Option? There are several other specific demolition notes which are listed on both drawings. Please provide a clarification regarding this matter. Thanks, Don
Response: Refer also to response to RFI #16 above. Bid Option No. 2 is intended to represent the cost difference between the base bid scope of work and the bid option scope of work represented in the drawings containing the suffix "B". Items duplicated on the base bid and bid option no. 2 drawings should be assigned to the base bid scope of work.

20) Sheets A4.1A & A4.2B: Both the Composite Panel & Perforated Aluminum Panel have the same indicator type in the legend. Also it appears some portions of the elevations are missing shading/hatching types. Please clarify.
Response: The perforated aluminum panels enclose the South Vestibule, room 126. Refer to addendum no. 1 for revised elevations clarifying the location of the perforated aluminum panels.

21) Phase 1 Temporary Building Construction Duration Impact.

We performed a schedule analysis on construction duration for activities involving the Phase 1 temporary building portion of the project. Using information from subcontractors as well as historical data collected from previous projects with the Corp. we have found that from NTP through the preconstruction submittal and approval process averaged between 35 to 45 calendar days. Mobilization will take 2 to 5 days minimum. Other materials and equipment submittals, approvals, fabrication and delivery could take between 40 to 60 days minimum. Just this submittal and mobilization portion of the process could take 50 to 65 days from NTP before construction could begin. Project specific activities include site excavation, gas line modifications, underground electrical, storm sewer, concrete foundations, and equipment pads will take a minimum of 15 to 20 days. Building erection could take between 5 to 10 days. Interior construction and tie-ins may take up to 15 days minimum. These durations do not take into consideration the effects of weather conditions during construction which could cause further delays. This equates to approximately 110 days from NTP to completion of the Phase 1 temporary building. Add in the 14 day move-in requirement you are now 124 days into the project before you can start work on building 1312 and only 301 days of construction, commissioning and closeout. In addition the RFP is requiring the contractor remove the temporary structure, foundations, underground electrical, return areas to original elevations and sod disturbed areas after completion of Phase III and building acceptance. This potentially will add an additional 20 to 30 days minimum to complete further reducing the building 1312 construction to approximately 271 days .

Will the government consider changing phase I duration to 124 days and extending the total project duration from 425 days to 520 days?
Response: Refer to Addendum No. 1

22) Regarding Specifications 31-2210, Section 3.19 calls out the use of calcium hydrated lime (ALDOT Section 817) for use as pavement subgrade stabilization.

Given the location of this project site in relation to the flight line and aircraft, will the use of 825 stone be an acceptable alternative for subgrade?

If not, and lime stabilization is to be utilized, will the Govt. coordinate with the General Contactor the moving of any and all aircraft / property from the vicinity of work for the duration of lime application?
Response: Refer to Addendum No. 1. Addendum No. 1 adds the requirement to utilize slurry application of lime.

23) C2.1 depicts the concrete pavement being 8" thick without WWF & the paving cross section on C6.1 also depicts the concrete paving being 8" thick without WWF & fiber mesh. C8.1 however depicts the concrete paving being 7" thick with certain panels designated to receive WWF. Please clarify.
Response: Fiber mesh is required – refer to specification section 32 1314, part 2.05. WWF is only required in odd shape slabs as indicated on C8.1. Concrete paving section shall be 7" thick. Refer to Addendum No. 1 for clarification of pavement thickness.

24) C2.1 depicts some areas to receive curb & gutter & some areas to receive curb. There is a curb & gutter detail depicted on C6.1 but not one for curb. There is currently curb & gutter in place onsite. Is the intent to be curb & gutter everywhere? If not please provide a curb detail.
Response: Refer to Addendum No. 1. Integral curb detail has been added.

25) Electrical: Are we allowed to use 6 ft. lengths of MC Cable for "lighting whips" to fixture connections?
Response: Yes. 6" maximum length is acceptable per the NEC.

26) Electrical: Temporary Structure: It shows devices mounted to the chain-link fence serving as the IDS Vault. We need some direction as to how to mount electrical items and conduits.
Response: Electrical contractor shall coordinate with the owner's security vendor (ADVANTOR) for specific details and specs relative to the security devices. The mounting of these devices is temporary in nature. The Contractor shall use their best judgement for mounting these devices as dictated by conditions on site using code approved materials.

27) Electrical: Specifications [DIV 26 0533 Raceways and Boxes - 2.05: Surface Raceways] describes using wiremold, but [3.01.B Raceway Application] says use EMT. Which is the preferred method of installation for surface-mounted conduit and boxes? Is there a difference between Office space vs. Warehouse space? (we will try to reuse existing conduits and boxes in block walls where possible)
    a) What type of outlet/device boxes shall be used for surface-mount applications: 4" square K/O stamped steel, or Type FS boxes?

    Response: Utilize existing concealed raceway to the greatest extent possible. Surface mounted EMT painted to match wall color is acceptable for new surface mounted raceway to be installed on existing wall applications where existing concealed raceway is not available, unless specifically noted otherwise. Refer to architectural drawings for locations where new wall surfaces are being added to conceal new raceway at existing masonry walls applications. Refer also to bid options as new walls referenced above are included in a bid options within rooms 101, 106, 109, and 110. 4" K/O stamped steel boxes are acceptable.

28) Electrical: Since the electrical installation inside the fabric shell tent is entirely by the supplier (except power to the panel), can we get that in writing in an Addendum?
    Response: Electrical installation shall be provided by the General Contractor via appropriately licensed and qualified electricians. Electrical can be furnished by any qualified vendor/subcontractor deemed appropriate by the General Contractor to perform the work depicted on the drawings.

29) Monorail/Hoist: Are we adding the hoist or just the rail?
    Response: Contractor shall provide new hoist beams/tracks, switches, hoists, and trolleys as required to provide a complete and operational system as indicated on the drawings. Refer to specification section 41 2223.19.

30) Site: Lime Stabilized Subgrade under the 7" thick concrete pavement: There is a concern that lime dust would increase liability with aircrafts in close proximity. Please advise.
    Response: Refer to Addendum No. 1. Addendum No. 1 adds the requirement to utilize slurry application of lime.

31) CMU: Will split face be gray or colored?
    Response: Refer section 04 2000 – 2.01(B)5. Intent of the design is for the split faced masonry to match existing split face masonry found on base at the Headquarters Facility (Building 1502). The split face is intended to be the lighter tan color split face that is found at building 1502.

32) Mezzanines: On Sheet A1.1B there is a note on the legend to remove the mezzanines; on A2.1A it notes "existing to remain". Please clarify.
Response: Existing mezzanines are intended to remain within the base bid scope of work (A2.1A). The mezzanines will be removed in the bid option scope of work (A1.1B) to allow for the space reconfiguration depicted in the bid option floor plan (A2.1B).

33) Temporary Structure Slab: On Sheet C14.1 it shows FIN. FL. EL. 200.33, and the SS manhole top EL. at 199.05. Are we to extend the ring for the manhole? Please Advise.
Response: Refer to detail "A" on sheet A9.1 for adjustments required at this manhole. This detail is referenced in the manhole notes on C12.1, C13.1, and C14.1

34) A1.0, Note #9; states the contractor must submit a "Manufacturer's written acceptance of substrate conditions prior to proceeding with installation of new floor systems". Please confirm this requirement as most manufacturers will not provide a project specific written letter of acceptance.
Response: The General Contractor is ultimately responsible for quality of work including substrate preparation and acceptability of substrates to receive new work. Any failure of finish systems due to improper surface preparation or suitability of substrates to receive new finishes shall be repaired at no additional cost to the Owner. The Contractor is encouraged to have the finish system manufacturer review and provide written acceptance of substrates prior to installation of new finishes. However, application of this requirement is at the Contractor's option/risk.

35) Note #7 states to maintain fire ratings of the fire rated wall assemblies. In accordance to Sheet LS1.0A & LS1.0B, these two drawings identify different fire rated wall assemblies based on the base bid and bid option. Please confirm if the bid option is not awarded, the walls identified on LS1.0B will not need to maintain their fire ratings.
Response: Confirmed. If the bid option is not awarded, the fire rating requirements of drawing sheet LS1.0A will govern the project requirements. If the bid option is awarded, sheet LS1.0A will be void and the fire rating requirements of drawing sheet LS1.0B will govern.

36) Specific Demo Note #12 states to configure existing frame for new OHCD. Please confirm this requirement. This is not typical and may cause the OHCD manufacturer to not offer a warranty as it is not a complete assembly.
Response: Contractor shall provide all necessary components required to furnish all specified warranties. The intent behind this note is to re-use existing hollow metal frame assembly that is grouted into existing CMU wall assembly as the rough opening size is not intended to be modified. Leaving the hollow metal frame will prevent reworking adjacent CMU that will be damaged by removal of

the existing frame. Existing overhead door tracks, guides, etc… shall be removed and new tracks, guides, etc… provided.

37) Partition Type N Legend; Base Bid calls for N4 to be 3-5/8" core thickness with a partition thickness of 3-5/8" as well. Please confirm this is nominal 4" CMU.
Response: Yes. Intent is for a nominal 4" CMU.

38) Partition Type N Legend; Base Bid calls for N8 to be 7-5/8" core thickness with a partition thickness of 7-5/8" as well. Please confirm this is nominal 8" CMU.
Response: Yes. Intent is for a nominal 8" CMU.

39) Partition Type N Legend; Base Bid calls for N12 to be 11-5/8" core thickness with a partition thickness of 11-5/8" as well. Please confirm this is nominal 12" CMU.
Response: Yes. Intent is for a nominal 12" CMU.

40) Section 08 1113, Paragraph 1.05.D: is calling for design analysis calculations for blast-resistant doors. Please clarify if the HM Exterior doors are supposed to be blast-resistant.
Response: Confirmed. Refer to Addendum No. 1 for revisions to section 08 1113 to further clarify design requirements.

41) Sheet S1.0. Structural Design Loads for the building it calls for wind basic wind speed. Please clarify if the HM Exterior doors will need to meet wind ratings as described in the Structural Design Loads Table.
Response: Yes. Exterior hollow metal doors will be required to meet applicable wind ratings.

42) Sheet S1.0. If the HM Exterior Doors are required to meet the wind ratings as described in the Structural Design Loads Table, please identify the design loads for the exterior walls. This will need to be given a PSF number for the HM door manufacturers.
Response: + 23 psf and -30 psf

43) Section 08 1113. In order to comply with Paragraph 2.01.B - Blast Loading; the door manufacturers will require the stand off distance from the threat location. The manufacturers will require this before they are able to furnish a quote.
Response: Refer to Addendum No. 1 for revisions to section 08 1113 to further clarify design requirements.

44) Section 08 1113. In order to comply with Paragraph 2.01.B - Blast Loading; the door manufacturers will require the Explosive Weight. The manufacturers will require this before they are able to furnish a quote.
Response: Refer to Addendum No. 1 for revisions to section 08 1113 to further clarify design requirements.

45) Section 08 1113. In order to comply with Paragraph 2.01.B - Blast Loading; the door manufacturers will require the Peak Reflective Pressure. The manufacturers will require this before they are able to furnish a quote.
Response: Peak Reflective Pressure cannot be provided. System shall be designed based upon standoff distance and explosive weight provided by Addendum No. 1.

46) Section 08 1113. In order to comply with Paragraph 2.01.B - Blast Loading; the door manufacturers will require the Impulse Rating (PSI-MSEC). The manufacturers will require this before they are able to furnish a quote.
Response: Impulse Rating cannot be provided. System shall be designed based upon standoff distance and explosive weight provided by Addendum No. 1.

47) Section 08 3323. Please confirm there are no blast loading requirements for the Overhead Coiling Doors. If there are blast loading requirements, please furnish.
Response: In accordance with part 3-13.3 of UFC 4-010-01, there are "no antiterrorism requirements for overhead doors."

48) Section 08 4113. In order to comply with Paragraph 1.03.7.B - Blast Mitigation Performance; the door manufacturers will require the stand off distance from the threat location. The manufacturers will require this before they are able to furnish a quote.
Response: Refer to Addendum No. 1 for revisions to section 08 4113 to further clarify design requirements.

49) Section 08 4113. In order to comply with Paragraph 1.03.7.B - Blast Mitigation Performance; the door manufacturers will require the Explosive Weight. The manufacturers will require this before they are able to furnish a quote.
Response: Refer to Addendum No. 1 for revisions to section 08 4113 to further clarify design requirements.

50) Section 08 4113. In order to comply with Paragraph 1.03.7.B - Blast Mitigation Performance; the door manufacturers will require the Peak Reflective Pressure. The manufacturers will require this before they are able to furnish a quote.
Response: Peak Reflective Pressure cannot be provided. System shall be designed based upon standoff distance and explosive weight provided by Addendum No. 1.

51) Section 08 4113. In order to comply with Paragraph 1.03.7.B - Blast Mitigation Performance; the door manufacturers will require the Impulse Rating (PSI-MSEC). The manufacturers will require this before they are able to furnish a quote.
Response: Impulse Rating cannot be provided. System shall be designed based upon standoff distance and explosive weight provided by Addendum No. 1.

52) A2.3A. Inside Room 108 Mech. There is a new wall drawn directly plan south of the door. This wall is not indicated on Sheet A1.1A Demo Plan. This wall further does not have a new wall type tag. Please clarify if this is a new wall. If it is a new wall, please identify what wall type tag should be used.
Response: The wall in question is an existing wall scheduled to remain.

53) A3.1B. In accordance with the Room Finish Schedule on both the base bid and bid option; Room 100 Corridor has a scheduled wall finish of PNT1/WT3. Please identify to what elevation the wall tile is scheduled to terminate at.
Response: Refer to drawing 2/A7.1 for extents of WT3 in Corridor, Room 100.

54) A5.1. Detail 3 calls for spray foam insulation inside the vertical runs of metal framing. However on Detail 1B and 5 on Sheet A5.1, Details 1, 2, and 3 on Sheet A5.2 this is scheduled to be Vinyl Faced Batt Insulation. It appears the spray foam insulation tag is incorrect and supposed to read "Vinyl Faced Batt Insulation. Please confirm.
Response: Confirmed. Intent of detail 3/A5.1 is for vinyl faced batt insulation. Refer to Addendum No. 1 for corrected detail 3.

55) A6.2. In lieu of providing a shower system as described in Details 1 & 2. Would a prebuilt waterproof shower pan be acceptable?
Response: Provide tiled shower floor systems as drawn.

56) A9.1A. The Floor Pattern Plan shows a smaller floor tile pattern with the standard PT1 floor tile pattern in the Men's and Women's bathrooms that is not indicated on the Floor Finish Legend. The floor pattern plan appears to have an accent tile as such as on Sheet A9.1B for the same rooms. Please confirm if the Men's and Women's bathroom on the base bid is only to receive PT1 or if there is a missing item from the Floor Finish Legend.
Response: Base bid and bid option in Men's and Women's bathrooms shall received FT1 / FT2 on the floor in the indicated pattern. Showers are to receive MT1 (mosaic tile). Refer to Addendum No. 1 for revised finish schedule clarifying intent.

57) Can you provide the architect's QFPE contact information?
Response: Architect's QFPE is Jeremy John at Fisher Engineering. 770-495-7770.

58) Spec Section 26 01 00, 1.16 states to install a 14-gauge steel pull cable in all empty conduits. Spec Section 26 05 33, 3.02 N states to install a plastic line with 200-lb tensile strength in all empty conduits. Please advise as to which is required for this project.
Response: Refer to Addendum No. 1. 14-gauge steel pull cable has been removed from section 26 0100. Utilize 200-lb tensile strength plastic line.

59) On the Drawings pages LS1.0B and E5.1B (Bid Option) indicate several areas to be Class 1, Division 2 thus requiring all equipment and devices to be installed in this area to be rated for a Zone 2 Hazardous Area. However, there are several items, such as Door Operators and Unit Zone 2 Hazardous Area. However, there are several items, such as Door Operators and Unit this equipment, along with any others, be rated for use in a Zone 2 Hazardous Area?
Response: Question is unclear. Door A118A is the only electrically operated door scheduled to be installed in a hazardous area (Door A111B is manually operated). Per part 2.03 of specification section 08 3323, NEMA 7 motor and controller enclosures are required to meet the NFPA requirements associated with hazardous areas.

60) Drawings page E3.1A indicate the "Gun Services Shop" Room 116 to be a Class 1 Division 2 area. Note 7 of this page states that the existing Advantor Security System is to Remain. However the existing Advantor panel is not rated for a Class 1 Division 2 area. Shall the existing Advantor panel be relocated outside the Classified area or replaced to meet the requirements?
Response: Existing ADVANTOR panel may remain in its current location without modification as part of the base bid. As part of the Bid Option, the Contractor shall provide new ADVANTOR panels meeting electrical classification in locations indicated on the bid option electrical drawings.

61) As there are Class 1 Division 2 areas defined in both the Base Bid and the Bid Option, shall it be a requirement that the Electrical Contractor provide conversion cables so that standard equipment can be plugged into the Classified Area receptacles?
Response: Yes. Contractor shall provide conversion cables.

62) Drawings page A10.2 state that the Communications Rack and the LAN Drop Locations shall be GFGI. Will the Electrical Contractor be responsible to install any Conduit or Cable Trays for installation of the Data Cabling and Devices?
Response: Contractor shall furnish Unistrut assemblies for mounting of conduit and devices for both power and data receptacles as indicated on the temporary facility drawings. Unistrut shall be self-supporting, anchored to the concrete floor, and extend vertically as required to install devices at specified mounting heights. Provide conduit for data receptacles in size and quantity required to accommodate the quantity of devices indicated on the drawings. All wiring (electrical and telecommunications) shall be concealed within conduit.

63) There is currently a combination of some electrical devices installed recessed within the CMU and some surface mounted. If only the Base Bid is accepted, shall all new conduit and devices be surface mount?
Response: Yes. Surface mounted conduit/devices are acceptable for new devices scheduled to be installed within existing CMU walls scheduled to remain as part of the base bid.

64) Drawings Pages E0.8, E1.1A and E1.1B make reference to "Two (2) existing Communications conduits to Remain." However, it was found during the site walk that the 2 conduits referenced on the drawings are the Electrical Service Entrance conduits. The existing Communications conduit is a single 4" PVC located approximately 10 feet South of the location shown. This conduit enters through the exterior wall of the existing Mechanical room, on the opposite side of the doors from the new Comm Room. The existing Telephone and Fiber Service Entrance will not be long enough to reach the new Comm Room. Shall the Service Entrance Cables be spliced in place within the Mechanical Room to extend to the new Comm Room, or shall these cables be replaced in whole back to the source?
Response: The Government feels the design drawings are correct. However, the Contractor is responsible for field verification of existing conditions to ensure all plant, labor, and materials required to provide the depicted finished product is included within the Contractor's proposal. Splicing of telecommunications service entrance cabling is not acceptable. The design anticipates relocation of the service entrance termination closer to the incoming service such that existing service cables can be re-used without splicing. Placement of service entrance termination can be adjusted within communications room 107 to further reduce required cable lengths if necessary.

65) Drawings Page E0.3 Single Line Diagram Note 2 states that the new Manual Transfer Switch be "Equal to ABB Gen Tower". However, no Spec is given for this device. The ABB Gen Tower is a proprietary design. Would a Double Throw, Heavy Duty, Fusible, Service Entrance Rated Safety Switch with Generator Connections be an acceptable equal?
Response: Provide devices equal to the ABB Gen Tower. Specific equal products will be considered after award; however, approval of equal products is at the sole discretion of the Government.

66) Can the government provide a copy of the Lockheed Martin F-35 Lightning II Facilities Requirements document?
Response: The awarded Contractor will be provided with access to the F-35 Lightning II Facilities Requirements document.

67) Can the government provide a copy of the ANG ELT 01-1-1 ANG Design Policy?
Response: A copy of the requested ANG ETL is attached.

68) Section 26 0100-1.16. Empty conduits require #14-gauge galvanized iron pullwire which is not typical. Is it acceptable to use "jetline" or something more common?
Response: Refer to Addendum No. 1. 14-gauge steel pull cable has been removed from section 26 0100. Utilize 200-lb tensile strength plastic line.

69) Section 26 0529-2.01D. When and where does this apply?
Response: This section is not applicable. Refer to Addendum No. 1 for revised specification section 26 0529 which deletes this requirement.

70) Is temporary power required at any time?
Response: Temporary power is required as necessary to successfully compete the work, maintain minimum safety conditions, and as needed to achieve/maintain environmental conditions necessary for the proper installation of specific products/systems as specified or required by product manufacturers.

71) Section 26 2726-1.06A, Can you confirm this requirement is attainable?
Response: Question cannot be answered. Part 1.06A does not exist within section 26 2726.

72) Section 26 2726-1.02. Can you provide the list of government furnished electrical equipment?
Response: All electrical connections are as indicated on the drawings.

73) Section 26 0553-201, 2.4, 2.03, 2.03. From what we can see in ANSI A13.1, it is intended only for hazardous materials conveyed in piping systems and specifically says it does not apply to pipes buried in the ground nor to electrical conduits. Please advise.
Response: Refer to part 3 of section 26 0553 for locations where labels are required.

74) Who is the manufacturer of the existing monorail & hoist system to remain?
Response: The existing hoist is a Yale LH series, 1 ton capacity. The existing trolley is a Yale YWA series manual trolley.

75) Section 41 2223.19-3.01C(2). Provide supervisory erection services from the monorail manufacturer, would the qualified erector cover this requirement?
Response: Yes. A qualified erector approved in writing by the manufacturer can provide supervisory erection services.

76) Section 41 2223.19-3.01D(1). Who is the activity maintaining organization?
Response: The activity maintain organization is the facility users, members of the 187th Fighter Wing Maintenance Group. Specific points of contact will be provided at the time of the required testing.

77) Please confirm SS&L has the COMPLETE Cadd drawings, this will cause issues at Closeout.
Response: Confirmed. Following completion of Architect's electronic file transfer agreement, the awarded Contractor can be provided with all architectural and engineering .dwg format files.

78) Are we cutting all the joints in the paving or are they existing?
Response: Contractor shall cut all joints depicted in new paving systems. Re-cutting or cutting new joints in existing paving systems in not included in the proposed scope of work.

79) A1.0 – Demolition Note 1. Will a 3rd party Air Barrier Inspection/cert be required?
Response: The Government (via the Architect) will inspect the air barrier. Additional third-party inspection is not required unless required by air barrier manufacturer. Contractor shall coordinate and provide all inspections by air barrier manufacturer, or their authorized representative(s), to ensure the substrate is acceptable, the system is installed properly, and the required warranty(s) are can be provided to the Government at the completion of the project.

80) Section 03 3000-05(E)2. Manufacturer must be certified according to the National Ready Mixed Concrete Association's Certification of Ready Mixed Concrete Production Facilities (If required). Please confirm.
Response: Yes, certification of the production facility by the National Ready Mixed Concrete Association is required.

81) Is earth forming allowed for concrete below grade?
Response: Earth forming is acceptable provided the existing soil conditions allow. Constructed forms will be required at no additional cost if site soil conditions do not allow for ground forming.

82) Specs say mock-ups cannot be part of the final structure. Can we waive that requirement and allow us to complete a small section of the permanent wall as a mock-up?
Response: No. Dedicated mock up panel shall be erected and remain as a basis of evaluation/acceptance of the wall assembly quality requirements for the duration of the project.

83) Roof Warranty spec calls for 25 years in one place and 15 in another. Please confirm only the 15 year is required.
Response: Provide roofing warranties as specified. A 5-year warranty signed by the installer and general contractor is required as specified in section 07 0100. Various manufacturer's warranties are also required varying in duration based upon the warranty type. The metal roof panels require a 20-year NDL weathertightness warranty (reference 07 4113-1.09(B) & (C). Roof panels also require a special finish warranty from the manufacturer of 25 years. Reference 07 4113-1.09(E).

84) Roofing Manufacturer is required to visit/inspect the roof installation. Gov't is hiring a 3rd Party roofing consultant. Is the manufacturer's install inspector still required?
Response: Manufacturer's installation inspector is required to the extent necessary to provide all specified warranties. Refer to Addendum No. 1 for revisions to section 07 4113 and 07 5400 to clarify this requirement.

85) Geo-Tech borings will be required by the contractor. Does the Gov't have any prior Geotech reports they can share prior to bid?
Response: Contractor shall bore as required to properly design the helical pier systems at the locations required by the Contractor. Boring logs of a nearby project site on the 187th installation are included as an attachment to these RFI responses. Refer also to RFI 11 response above.

86) Can crushed concrete be used as base material under slabs and paving in lieu of natural stone?
Response: No. Provide lime stabilized subgrade as specified.

87) There is a discrepancy in the new concrete paving thickness. Does the concrete need to be 7"or 8" in thickness?
Response: Concrete paving section shall be 7" thick. Refer to Addendum No. 1 for clarification of pavement thickness.

End of Response to RFI #001