

AMENDMENT NO. 6 CONTRACTOR QUESTIONS AND CLARIFICATION

1. There is a specification section for a Blast Resistant Window, however, none could be located on the drawings. It is assumed the WD1 windows called out on the drawings are covered under the Aluminum Window specification.

Answer: Blast resistant windows are not required. WD1 is an aluminum window. Windows in the bridge are specified in Section 07 04 01.

2. The drawings call for patching into the existing roof of building 1 along x.2 line (reference detail 8 on AS5-101). Also - per detail 4 - roof plan on AS1-101: note calls for new MEP penetration flashings and roof patch-in for MEP demo/removal. Is the existing roof to be worked on under warranty? If so - who is the manufacturer, what type of roof material (EPDM / TPO / Modified, etc.) and what is the remaining time or extent of warranty?

Answer: The roof on the west wing was under warranty with Tremco (#112079). A service request for roofing issues can be made to a vendor contact provided through the VA.

3. Section 2 on drawing AS5-102 is calling for a Structural Concrete Panel to be used in the B1 corridor. Please provide information as to what this panel is (name, manufacturer, etc.).

Answer: The panel is a 3/4" structural concrete panel on metal stud framework/truss similar to USG Structo-Crete structural concrete panel or USG Structural Panel Concrete subfloor. A specification will be provided.

4. Please clarify if blast-resistant glass is required.

Answer: Blast resistant glass is not required.

5. Please provide a specification for the "structural concrete panel" (detail 2/AS5-102).

Answer: The panel is a 3/4" structural concrete panel on metal stud framework/truss similar to USG Structo-Crete structural concrete panel or USG Structural Panel Concrete subfloor. A specification will be provided.

6. The hot water radiation shows no control valve. Is this UN - controlled? If it is controlled, need valve location and thermostat location.

Answer: Control valve is show on detail 7-MH0701, typical for each circuit. T-Stat location will be provided at corner of bridge.

7. Instrument Direct Digital Control System 230923 contains no "sequence of operation".

Answer: Sequence of operations for VAV Boxes to be the same as existing building 30, Sequence for Hot water Valve on Perimeter heating to be second stage of heating after VAV Reheat coil.

8. What controls EF-12 and the motorized damper?

Answer: Existing Controls for EF-12 to be relocated with the EF. 1) Fan shall start/stop to maintain room temperature setpoint of 83F (adjustable through BAS) through delivery of outdoor air. Alarm to BAS if room temperature reaches 85F. OA and Inlet damper to be interlocked with fan. Current Switch shall provide proof of flow.

9. In the RFP, top of page 12 of 79, under the description of Subfactor

1.2 - Construction Approach, it states, "See attached, Section 01 32 16.15, Project Schedule for further guidance". Please confirm that spec 013216.15 is the project schedule requirements if awarded the project, and we are not required to meet this specification with our RFP schedule (such as providing 200 activities, and providing a cost-loaded schedule).

Answer: Project Scheduling is required, refer to the Specification 01 32 16.15 Project Schedules.

10. Please clarify our scope of work related to the 5 new openings we need to create for windows. There are no new lintels shown on the structural drawings, and detail 3/AS8-101 shades the exterior wall above the opening as though the lintel is existing. Is there an existing lintel at this elevation for all 5 openings?

Answer: There is an existing brick ledge that must be cut and supported by tubes at the perimeter of the windows. The Back-up cold form metal shall be modified to create the window sill and header box, the exterior brick shall be supported by loose angle lintels.

11. Detail 4/AS8-101 shows a new lintel comprised of a piece of tube steel attached to an angle with the long leg horizontal. There is an arrow pointing to the tube steel with a note, "structural support for steel angle see structural documents". There are no lintels shown on the structural drawings, and the lintel schedule on the structural drawings only calls for angles (or multiple angles) with long leg vertical. Please clarify.

Answer: The intent is that the opening be sized to accept a loose angle lintel. The cold form metal back up shall be modified to create the head, sill and jambs of the opening.

12. Please provide a specification for the spray-applied cellulosic insulation called out on detail 2/AS5-101.

Answer: Spray-applied cellulosic insulation is not required. Detail note will be removed.

13. Please size the structural studs at the raised floor framing (detail 2/AS5-102).

Answer: Structural studs should be sized and spaced per manufacturer's recommendations. See specifications and notes on details.

14. Please provide information about ceiling access for spray fireproofing at existing Building 1 steel.

Answer: Access to be coordinated through the RE during construction. Ceiling should be all 2x2 lay in ceilings, lath and plaster in the stairwell.

15. Please provide information about access to the first floor ceiling in Building 30 for removal of storm lines (detail 3/PLD-101).

Answer: Existing first floor Wet Lab space has a lay-in ceiling. Work will need to be coordinated with RE for access to space.

16. Are the 3 storm lines being demolished on detail 3/PLD-101 connected to roof drains? If so, are we to demo the drains and re-roof at these locations? Please confirm there are no new roof drains being installed at Building 30.

Answer: The storm lines are not connected to roof drains; they were for future connection. No new roof drains are required for Bldg. 30

17. So that we can plan the work and phasing properly, please provide the locations of the asbestos materials quantified in Spec 028211.

Answer: The location of asbestos materials referred to in Specification occur in Building 1. Refer to drawing AD1-101 - Demolition Plans and Details

18. Note 23 on PLD-101 stated to remove an existing floor drain and "cap at main". Please provide the location of the main.

Answer: Updated drawings showing additional floor drain piping were issued on 1-31-17 Amendment 3.

19. Would it be acceptable to modify the design/aesthetics of the pedestrian bridge by adding diagonal members? That this may reduce the overall steel weight in the structure by reducing the size of the vertical members as well as the top/bottom chords.

Answer: The design has been completed, reviewed and approved by the VA as drawn.

20. Please clarify our work at the existing shaft modifications in Building 1 (between x.15 and x.16 lines). It appears the hatching on drawing AD1-101 is indicating removal of the floor structure, though there is no note stating this. Drawing AS1-101 shows a shaded area noted as "infill floor opening". Please provide structural information about the existing floor system, and details for the removal and infill work.

Answer: Refer to Amendment 4, Drawing SS1-101, Detail 4.

21. Seeing as the contract documents are not complete, please clarify if our pricing is budgetary, or fixed lump sum pricing. Will all future changes to the documents result in contract price adjustments?

Answer: Contract documents are complete. Fixed lump sum pricing is required.

22. Drawing MD0-100 shows the removal of a 60"x36" exhaust louver. There is no masonry infill shown for this louver.

Answer: This opening to be patched to match adjacent masonry. Detail to be provided.

23. Drawing MD0-100 shows the removal of a 14'x9' OA louver. The note states, "Remove 14'x9' OA louver. Provide galv. steel insulated wall cap on **interior of louvers**. Insulation shall be 2" thick rigid fiberglass. Seal around cap w/silicon caulking and fasten w/SS screws". If we are removing the louver, how can we build a steel "cap" on the interior of the louver (which is no longer there)? Please provide a detailed drawing showing how we are to infill the opening created by the louver removal.

Answer: This louver shall remain and be sealed according to the note.

24. Section 1 on Drawing AS5-101 shows 6" R-19 batt insulation at the exterior walls. R-19 can be reached with a standard 6" unfaced fiberglass insulation. Section 072113 Thermal Insulation specification calls for Mineral Fiber Insulation at exterior framing. Mineral fiber insulation is about 3 times the cost of fiberglass. Please clarify if it is acceptable to use the less expensive 6" R-19 unfaced fiberglass insulation.

Answer: It is not acceptable to use un-faced fiberglass insulation. Provide as specified.

25. There exists notes on the finish floor plan AS9-341 for "CG - Corner Guard" and "HR - Handrail", No specifications have been provided for these items. We assume this work is by others and not to be included in our bid. Is this correct? If not correct please provide appropriate specifications.

Answer: These items are in the constructor's scope of work. Corner guards (Acrovyn FS-20N) and handrail (P-RSAN). Colors and styles are indicated in Specification Section 090600. Specification provided in Amendment No. 6.

26. There exists a note on finish floor plan AS9-341 for "Q - Quartz" and a detail for a solid surface window sill detail 4/AS5-101. There are no specifications for this element. We assume this work is by others and not to be included in our bid. Is this correct? If not correct please provide appropriate specifications.

Answer: Window stools are to be included in this project. See Specification Section 090600 - Schedule of Finishes, 2.6 division 06 WOOD, PLASTICS AND COMPOSITES - Q1 = Quartz Agg, by Cambria, bullnose edge, color - Cuddington.

27. Specification section 078100 - Applied Fireproofing has been provided in the project manual. No indications have been provided on the plans to the extent of this work. We assume no fire proofing is required for the project. Is this correct? If not clear indications as to the extent of this work must be provided.

Answer: This section was included in case any existing fireproofing was disturbed and needed to be replaced.

28. Wall type 1 on Drawing AS8-101 shows insulation but does not call it out. Wall type 2 shows insulation and calls it out. Both of these walls are stated as UL Design No U422. UL Assembly U411 states that insulation is optional. Please clarify if insulation is or is not required for wall types 1 and 2.

Answer: Insulation is required in both partition types.

29. What is the deck height at building 30 where the new 1 hour fire rated partition is to be constructed?

Answer: The 2nd Floor elevation is 1197'-6 5/8" and the concrete slab elevation at the penthouse roof is at 1218'-6 5/8".

30. What is the deck height at building 30 where the new 2 hour fire rated partition is to be constructed?

Answer: Per drawing AS1-101 - Existing Elevator Lobby 2A143 (front door to elevator) and Mechanical Room GA155 @ 1197'-6 5/8"; Existing Elevator Lobby 3A146 (rear door to elevator) @ 1204'-10 3/4". See section 6 on AS1-102.

31. Please confirm deck height is approximately 11'4" at existing building 1 where the new interior partitions are to be constructed.

Answer: The 2nd floor to top of roof slab elevation is 11'-9 3/8" according to the original building documents with 4" precast slab.

32. Section 3 on Drawing AS8-101 shows the construction above the new window (drywall, blocking, tube steel, lintel, brick, etc.) to be existing. Shouldn't some of this be new and similar to section 4 on the same page? Please clarify.

Answer: Yes. There is an existing brick ledge that must be cut and supported by tubes at the perimeter of the windows. The Back-up cold

form metal shall be modified to create the window sill and header box, the exterior brick shall be supported by loose angle lintels

33. On Drawing AS5-102 at detail 6 and drawing AS5-101 at detail 8 please clarify what material is required at the "new expansion material".

Answer: Material is compressible/expandable semi-rigid mineral wool insulation.

34. What is the anticipated construction schedule?

Answer: Refer to the Instructions, Conditions and Other Statements to Bidders/Offerors section of the Solicitation for the construction schedule.

35. Please clarify note 4 and 5 on drawing cs4-000.

Answer: See revised civil drawings in Amendment No. 6 for note clarifications.

36. Specifications for both aluminum framed windows and glass both carry blast resistant standards - is this correct in that the windows must meet these blast standards?

Answer: Blast resistant glass is not required.

37. What make/models are the current fire alarm/communications and environmental controls?

Answer: Fire Alarm System - Simplex, Communication System - Bogen

38. Who services the current fire alarm/communications and environmental controls?

Answer: Fire Alarm System - Simplex, Communication System - PSX

39. What site restrictions are there on closing off the interior work areas and performing the demo?

Answer: Coordination with the VA through the Resident Engineer will be required. An ISLM for work in exit stairs will be requested/approved for work being done in Building 1. Egress from stairs to the outside must be maintained. See civil drawings included in Amendment 6 for additional information and locations.

40. What interior and exterior pathways have to be maintained open?

Answer: Exit paths need to be maintained. Work in stairwells be coordination through the RE.

41. What dust/infection control measures are required on the interior of the buildings (plastic sheeting, hard wall)?

Answer: ICRA class 4 level; refer to Safety Specifications.

42. Is the beam floor shown on the structural plan S1-10, columns E - F existing or part of the new construction scope?

Answer: The W8 beams are new.

43. Does the concrete column get painted?

Answer: No.

44. Please provide clarification on the "Structural concrete panels on cold metal framing." This refers to the cross-hatched area of floor in Bldg 1 as shown on GSO-003 and AS1-101 that extends from the bridge entrance at Landing 3 back along the corridor approximately 40 feet. Detail 7 on AS3-101 and Detail 2 on AS5-102 shows this as a raised platform above

the existing floor built on metal framing that slopes down to the existing floor level. Is the concrete poured in deck pans or are these pre-fabricated panels?

Answer: The structural concrete panel is a pre-fabricated 3/4" structural concrete panel on metal stud framework similar to USG Structo-Crete structural concrete panel or USG Structural Panel Concrete subfloor. A specification will be provided.

45. Can you verify how they want the insulation run? It will not work the way they have it shown in drawing AS1-102 number 4. We can run it from the exterior of the bridge walls to the center since the roof is sloped already.

Answer: Crickets and valleys are not shown. As long as the insulation slopes to the roof drains for the length of the span, the exact insulation slopes can be coordinated in the shop drawings.

46. Door A-01 is listed as a dual automatic door per the hardware spec (hardware set 2), yet it is not listed as an automatic operator door per the door schedule. Can we please get confirmation of the correct application for door A-01?

Answer: Door A-01 is not automated; per door schedule on AS8-101, door has a card reader, request to exit (provided by VA) and exit hardware.

47. Will you please provide deck heights for the Machine Room and the Elevator Lobby?

Answer: Per drawing AS1-101 - Existing Elevator Lobby 2A143 (front door to elevator) and Mechanical Room GA155 @ 1197'-6 5/8"; Existing Elevator Lobby 3A146 (rear door to elevator) @ 1204'-10 3/4".

48. Amendment 3, Contractor Questions & Clarifications, Question 2, states the caisson is instead a "foundation pier" and "the method of installation is considered ways and means". Since the "piers" or "caissons" are fully designed on the structural drawings, please confirm that this scope of work is not considered "design-build" and we are to include pricing for the deep foundations as sized, with reinforcing steel and in the depths identified in the contract documents.

Answer: Correct, this is not design build and shall be installed as detailed.

49. Please clarify if we are to provide a City of Pittsburgh building permit.

Answer: No.

50. Should we paint the tube steel stubs (4) at the top of the cruciform that could be exposed beneath the bridge?

Answer: Yes all exposed steel shall be finish painted, all non-exposed steel shall be primed.

51. Should the concrete pier and cruciform be painted? (asked and not yet answered)

Answer: No.

52. Who is responsible for relocating underground utilities that may interfere with the foundation pier if they are encountered?

Answer: 01 00 00 -1.10 D. Expense of repairs to such utilities and systems not shown on drawings or locations of which are unknown will be covered by adjustment to contract time and price in accordance with

clause entitled "CHANGES" (FAR 52.243-4 and VAAR 852.236-88) and "DIFFERING SITE CONDITIONS" (FAR 52.236-2).

53. Now that we're calling it a foundation pier is the 25' depth still a requirement?

Answer: Yes.

54. Will you provide a detail and specification for the infill of the 2nd floor in area W?

Answer: The infill is a structural concrete panel on metal stud truss system. The structural concrete panel is a pre-fabricated 3/4" structural concrete panel on metal stud framework similar to USG Structo-Crete structural concrete panel or USG Structural Panel Concrete subfloor. A specification will be provided.

55. Will the Wet Labs be in operation during construction?

Answer: Yes. See Section GRs 01 00 00 - Part 1.6 Items F, G, H and K. F. Both the ROB B#30 and B#1 will be occupied during construction. Execute work so as to interfere as little as possible with normal functioning of Medical Center as a whole, including operations of utility services.

G. Phasing: the Medical Center must maintain its operation 24 hours a day 7 days a week.

H. Contractor shall take all measures and provide all material necessary for protecting existing equipment and property in affected areas of construction against dust and debris, so that equipment and affected areas to be used in the Medical Centers operations will not be hindered.

K. Utilities Services: Maintain existing utility services for Medical Center at all times. Provide temporary facilities, labor, materials, equipment, connections, and utilities to assure uninterrupted services.

56. Changes to the air handler ductwork may impact the wet lab operation. How will the VA handle this operation?

Answer: See Section GRs 01 00 00 - Part 1.6 Items F, G, H and K. F. Both the ROB B#30 and B#1 will be occupied during construction. Execute work so as to interfere as little as possible with normal functioning of Medical Center as a whole, including operations of utility services.

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K. Utilities Services: Maintain existing utility services for Medical Center at all times. Provide temporary facilities, labor, materials, equipment, connections, and utilities to assure uninterrupted services.

57. Drawing EP5-101, PA System Riser Diagram: Please provide existing drawings locating the MDF room that the connection is to be made to connect the new PA amplifier cabinet on the 2nd floor so we may determine the routing and distance required for installing the new riser conduit.

Answer: The distance between the basement MDF room and the new 2nd floor PA system amplifier panel is 800'

58. Drawing CS1-000, Site Existing Conditions, CS2-000 Demolition Plan & and SS1-100 Ground / Foundation Plans: Drawings CS1-000 and SS1-100 briefly address the underground utilities in the Pier Foundation area and Drawing CS1 - 000 shows multiple electrical, telecom, and water lines. However, Drawing CS2-000 only addresses one duct bank.

- a. Please provide a more detailed Existing Site Utility Plan that shows all utilities, and what are the effected buildings / circuits the duct banks are feeding.
- b. Please provide an approximate elevation of the utilities, and coverage details of the existing utilities affected by the site grading plan.

Answer:

- a. **Additional information for utilities has been provided in Amendment No. 6 - Ground Penetrating Radar Sketch.**
- b. **Per the revised civil drawing notes, it will be up to the contractor to field verify underground utilities prior to construction. They shall verify exact location and depth as necessary for the proposed improvements and relocate utilities as necessary.**

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