



Addendum No. 1
12/8/2022

Dodgen Research Facility:
Nuclear Science Center HVAC Renewal
Washington State University
Pullman, WA

Project No. 1687-2022
Washington State University
Facilities Services, Capital

**Addendum No. 1
12/8/2022**

**Dodgen Research Facility:
Nuclear Science Center HVAC Renewal
Washington State University
Pullman, WA**

Bid Date: December 14, 2022

1. This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated November 5, 2022, and any prior addenda, as noted below.
2. Please acknowledge receipt of this addendum on the Form of Proposal.

This Addendum consists of eight total pages including the following Attachments:

Pre-Bid Meeting 11/29/2022: Meeting Minutes
Pre-Bid Meeting 11/29/2022: List of Attendees

Changes to prior Addenda:

N/A

Changes to Bidding Requirements:

NONE

Changes to Specifications:

NONE

Changes to Drawings:

NONE

END OF ADDENDUM No. 1

PRE-BID MEETING

WSU Project: Dodgen NSC HVAC Renewal (1687-2022)

Meeting Date: November 29, 2022

Time: 10:00 AM

Meeting Location – McCluskey 190D (meet at McCluskey for general overview and then travel to Dodgen for site walk)

Recorded by: Phil Johnson

1. Introductions:
 - a. WSU Facilities Services Project Manager: Phil Johnson (philrjohnson@wsu.edu 509-335-9029)
 - b. WSU Facilities Services Construction Manager: Brian Funke (bfunke@wsu.edu 509-335-4209)
 - c. WSU Occupant/Customer: Nuclear Science Senter (Corey Hines – Director)
 - d. Design Engineer: MSI Engineers; Aaron Donnelly (Mechanical), Ben Jennings (Electrical)
 - e. Attendance at the pre-bid meeting is mandatory for General Contractors/Prime Bidders. Please identify yourself during the meeting and provide your name, company and phone number in an email to contracts@wsu.edu.
 - f. The Owner's meeting minutes will be routed to project plan holders as part of an addendum.
 - g. Send all questions regarding this project to the Facilities Services Project Manager, with copy to Facilities Services Construction Manager:
 - i. All questions must be received no later than, Wednesday, December 7, 2022.
 - ii. All requests for substitutions must be received by Wednesday, December 7, 2022.
 - h. Addenda will be forwarded to all plan holders. Addenda will be issued no later than COB on Friday, December 9, 2022.
 - i. This is an active campus. There are students, faculty and visitors who either will not be aware of construction or will be distracted. Contractors must routinely work around the pedestrian population on campus as well as control noise and other construction related activities to minimize the effect on the campus. WSU is committed to a completely accessible campus. This means that when construction activities interfere with accessible pathways, that the General Contractor is responsible for putting in place temporary facilities (ramps, pathways, etc.) to assure that all pathways are available. Harassment in the workplace is not tolerated at WSU. All trades are required to conduct themselves such that harassment, real or perceived, does not occur. Offending individuals will be permanently removed from the project.
2. Project Description:

This project at the Dodgen Research Facility will renew HVAC and electrical components serving the pool and beam rooms. Demolition and new construction will take place throughout the facility with most occurring in the mechanical penthouse. General scope includes, replacing aging HVAC fans, ductwork, dampers, heating coil, controls, and an obsolete motor control center. On-site work scheduling must be coordinated with the WSU Construction Manager and NSC staff. General work that does not require a shutdown or interfere with facility operation can be done during regular business hours (8am to 5pm M-F) throughout the year. Work that does require a shutdown or will interfere with facility operation must be done during facility down-time (approximately November to February). Project must be substantially complete by February 16, 2024. Proposals **MUST BE** based on these Contract Time constraints.

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- a. Location: 2840 NE Roundtop Dr., Pullman, Washington, 99164
 - b. Access/Haul Routes: Site access will be from E. Grimes Way. Lay-down area available at lower ramp on the east side of the facility or at flat area on the southwest corner of the facility. Coordinate exact haul route and lay-down specifics with WSU Construction Manager. Contractor to provide site logistics plan with pre-con submittals. Contractor shall provide seven days prior notice for any restrictions or closure for scheduled deliveries or installations. Any restrictions or closures will require traffic control.
 - c. Occupied Area: Owner will be occupying this facility during construction. Reference 01 31 23, section 1.05.A for all access and security protocols.
 - d. Existing Hazards: The Dodgen Research Facility has radiological and chemical hazards present at the facility in the form of radioactive materials and chemicals securely stored onsite. The Dodgen Facility will provide contractors with free release documentation for any areas and/or equipment in restricted areas. Free release documentation provides assurance that the area and/or equipment is free of radiological and chemical hazards prior to interaction with the equipment and/or area. Area and/or equipment will be determined for free release by established procedures and documentation including radiological surveys and swipe samples. (00 72 00 General Conditions; Attachment A: Good Faith Hazardous Material Survey)
 - e. Schedule Constraints: Substantial completion is due by February 16, 2024. Primary construction work and any work requiring a shutdown can only be performed during the facility's offseason (approximately beginning of November through end of February). Secondary construction (e.g., "behind the scenes" scope) can be done year round with approval from WSU Construction Manager and NSC Director. Contractor to coordinate schedule for primary and secondary construction activities with WSU Construction Manager and NSC staff. Submittal and scheduling activities to begin as soon as notice to proceed is issued.
 - f. Parking. Parking on campus is enforced 24 hours a day, every day. It is the bidder's responsibility to obtain parking permits to attend pre-bid meetings, site visits, and bid openings. Go to www.parking.wsu.edu for more information about visitor parking permits. Labor force parking and permits: Minimal parking will be available onsite. Workers will need to park in existing lots on campus. In an attempt to minimize impact on annual permit holders, Contractors and sub-contractors will be able to park on the mall by purchasing a commercial mall service permit. The quantity of vehicles should be limited whenever possible. They can buy daily, 10 day or monthly permits through Transportation Services. Work that requires on site vehicles can be accommodated by parking within the site fence with a contractor permit.
 - g. ADA. ADA access must remain open during construction. Contractor to develop and submit plan for temporary ADA access if necessary.
3. Estimated Base Bid, not including taxes, is approximately: **\$400,000 to \$450,000.**
 4. Expected Notice to Proceed date: **December 30, 2022.**
 5. Estimated Contract duration after Notice to Proceed: **Substantial completion required by February 16, 2024.**

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6. Bidders should review the complete version of the bid instructions in the Contract Documents and in any forth coming addenda. Especially note the following:
 - a. Bids shall be made upon the form of proposal in the Contract Documents.
 - b. All information requested on the bid form shall be filled out completely and entirely to include:
 - i. Base Bid amount – Required
 - ii. Alternate amount(s) as required – N/A
 - iii. Unit Price amount(s) as required – N/A
 - iv. Acknowledgement of each addendum received – Required
 - c. The bid should include a bid security bond.
 - d. Bids shall be prepared and submitted according to the instructions in specification section 00 21 13.
 - e. The bidder is responsible for submitting the documents by the time noted in the bid specifications.
 - f. Bids will be received prior to 2:00 p.m.; December 14, 2022 at Facilities Services, McCluskey Services Building, 2425 East Grimes Way, Pullman, WA 99164-1150. Proposals will then be publicly opened and read aloud at 2:30 p.m. by ZOOM <https://wsu.zoom.us/j/93059713448?pwd=UW9UUjVTQkdSUo4T0E2cmI0cWh2UT09&from=addon> or Phone 253-215-8782 and entering Meeting ID : 930 5971 3448 and Passcode: 450530. Attendance in person is not allowed.
 - g. Bidder Responsibility Mandatory Criteria: It is the intent of the Owner to award a contract to the low responsible bidder. Prior to awarding a contract, the apparent responsive low bidder must submit documentation demonstrating compliance as per Section 00 21 13, Part 1.17 – Low Responsible Bidder. Be prepared to submit the required documentation with 48 hours of receipt of request.
7. Summary of Construction Administration Requirements:
 - a. For complete project administrative requirements refer to Division 1 and the General Conditions of the Contract Documents and addenda.
 - b. Prior to starting work; the contractor will be required to submit a Schedule of values and a construction progress schedule in a critical path method format for review and approval.
 - c. Weekly progress meetings will be conducted during the course of the project unless otherwise approved by the owner.
 - d. Material information and/or shop drawings shall be submitted to the Owner for approval. The construction progress schedule shall include time for the submittal review and distribution process.
 - e. O&M Manuals and As-built drawings shall be submitted prior to substantial completion and the final application for payment and shall be identified as activities on the construction progress schedule.
8. Discussion/Remarks/Concerns:
 - a. City of Pullman Permit has been approved. Contractor to pick-up permit and pay fees prior to starting construction.
 - b. New AHU (F-4) is realtively heavy. Note that drawings call for existing equipment and concrete pads to be removed and new structural steel support base installed to support this AHU.
 - c. Existing ventilation wiring is complex (see detail 4/E-603 for additional information). Contractor to work closely with WSU Facilities Services and NSC Staff during removal/installation.

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- d. Contractor to work closely with 3rd party commissioning agent (hired by WSU).
- e. Electrical shop drawings shall include a full ladder diagram, panel layouts with bill of materials. Labeling and tagging are critical.
- f. Control panels need to reuse existing switches.

End of Meeting

Questions from potential bidders (**WSU response in bold**)

- 1. E-601, the pilot lights that are shown (also on the following page) will all come on because they are all tied together to PB1. Is the intent for PB1 to be a “test light”? Could we instead buy PTT pilot lights and wire them for push to test?
 - a. **The intent of PB1 is to test all of the LED/lights with a single test button.**
- 2. E-602, For the Display Graphic, can we get dimensions? How tall and wide is the plate? How much depth between the back of the graphic and the panel behind it that the terminal blocks will be mounted to?
 - a. **The display is on a standard rack 19” wide by 14” tall. Depth available for use is 16”. Color needs to match existing.**
- 3. E-603, does the new enclosure need to match dimensions and color of existing?
 - a. **Per the adjacent photo there is additional space around the existing panel so dimensions aren’t critical as long as they are within reason (e.g., a 4’x4’ panel would be too large). Any panel color is ok, but the LED lights must be red, yellow, green.**



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4. There is caulking on ductwork mentioned in the survey but the caulking seen on the bid walk did not match the color description.
 - a. ***The GFS identifies “Gray/brown caulk duct mastic” located on all metal ductwork in the mechanical penthouse. All caulking/mastic located on metal ductwork in the penthouse, regardless of color, can be assumed to contain asbestos for this project.***
5. Please confirm no ACM pipe insulation is impacted.
 - a. ***Referencing the project drawings and visual observations of the project area, EH&S did not explicitly identify impacts to ACM pipe insulation for this project. However, ACM pipe insulation is visually present in interior scope areas such as drawing M-104. WSU does not dictate means or methods, therefore impacts to pipe insulation would need to be verified with the General Contractor.***
6. The penthouse floor is listed as asbestos containing will it be impacted?
 - a. ***Regarding the penthouse floor: Impacts to ACM roofing can be implied for work in mechanical demolition drawings M-101 through M104 and new HVAC in drawings M-201, through M-203. Some impacts to roofing may also occur during electrical work. Other impacts may occur to accommodate the demolition and/or installation of new rooftop equipment at the discretion of the General Contractor. WSU does not dictate means or methods, therefore impact quantification and number of mobilizations required would need to be coordinated with the General Contractor.***

PRE-BID MEETING ATTENDANCE RECORD

[illegible]