REVISED INVITATION TO BID

Sealed bids will be received until 2:00 PM on Thursday, June 18, 2020, and will be publicly opened and read aloud in the offices of MSU Campus Planning, Design and Construction, Plew Building, 6th & Grant, Bozeman, Montana, for: Chemistry Building Room 24 Electron Microscope Installation, PPA No. 19-0077.

Bids shall be submitted on the form provided within the Contract Documents. Contract documents may be obtained at the offices of:

Montana State University
Campus Planning, Design and Construction
Plew Building, 6th & Grant
PO Box 172760
Bozeman, Montana 59717-2760

On the web at:
http://www.montana.edu/pdc/bids.html

A PRE-BID WALK-THROUGH IS SCHEDULED FOR Tuesday, May 26, 2020, AT 1:30 PM
PARTICIPANTS SHOULD MEET AT: MSU Bozeman Plew Building, 6th & Grant Street.
ATTENDANCE IS STRONGLY RECOMMENDED. Bidders should thoroughly review the contract documents before the pre-bid conference.

Bids must be accompanied by a bid security meeting the requirements of the State of Montana in the amount of 10% of the total bid. After award, the successful bidder must furnish an approved Performance Security and a Labor & Material Payment Security each in the amount of 100% of the contract for contracts equal to or greater than $25,000.

No bidder may withdraw his bid for at least thirty (30) calendar days after the scheduled time for receipt of bids except as noted in the Instructions to Bidders.

The Owner reserves the right to reject any or all bids and to waive any and all irregularities or informalities and the right to determine what constitutes any and all irregularities or informalities.

Time of Completion
Bidder agrees to commence work immediately upon receipt of the Notice to Proceed and to substantially complete the project within (90) consecutive days.

The State of Montana makes reasonable accommodations for any known disability that may interfere with an applicant’s ability to compete in the bidding and/or selection process. In order for the state to make such accommodations, applicants must make known any needed accommodation to the individual project managers or agency contacts listed in the contract documents.

State of Montana - Montana State University
ADDENDUM NO. 1 – OUTLINE AND SUMMARY INFORMATION

Project Name: Chemistry Building Room 24 Microscope Install.  
PPA No.: 19-0077  
Location: Montana State University  
Date: 04 June 2020  
Owner: State of Montana  
Montana State University  
Bozeman, Montana

To: All Plan Holders of Record

Bidders are to acknowledge the receipt of this Addendum by inserting its number and date into their Bid Forms. Failure to do so may subject the Bidder to disqualification. This Addendum forms part of the Contract Documents as if bound therein and modifies them as follows:

I. PRIOR APPROVALS

A. Specification Section 265100 – Refer to MEP Addendum dated June 4, 2020 prepared by Consulting Design Solutions (attached).

B. Specification Section 262726 - Refer to MEP Addendum dated June 4, 2020 prepared by Consulting Design Solutions (attached).

II. AMENDMENTS TO THE PROJECT MANUAL

A. None

III. AMENDMENTS TO THE DRAWINGS

A. Drawing 1, Sheet A1, FLOOR PLAN – DEMOLITION has been modified. Refer to attachment.

B. Sheet MD2.1, BASEMENT PLAN – HVAC DEMOLITION has been modified. Refer to attachment.

C. Sheet M2.1, BASEMENT PLAN – HVAC has been modified. Refer to attachment.

IV. GENERAL INFORMATION

A. The building department is reviewing the bidding documents at this time. The building permit number is BP20-00029674. Bidders should contact the City of Bozeman Building Department if they have any questions.

V. ATTACHMENTS

A. MEP Addendum dated June 4, 2020 prepared by Consulting Design Solutions

B. Pre-Bid Conference Sign-In Sheet

C. Pre-Bid Conference – Agenda / Meeting Notes (Loras O’Toole)

D. Pre-Bid Conference – Meeting Notes (Architecture 118)

E. Pre-Bid Conference – Agenda and Information (Architecture 118)

New Bid Opening Date Thursday, June 18, 2020 at 2:00 pm
F. Drawing Sheet A1
G. Drawing Sheet MD2.1
H. Drawing Sheet M2.1
MEP ADDENDUM

Bidders for the above project are hereby informed that the drawings and/or specifications are modified, corrected or supplemented as follows:

CLARIFICATION:
1. None at This Time.

DRAWINGS:

1. DRAWING SHEET MD2.1
   a. GEX 04 is existing to remain in place not to be relocated. It is important to seal duct at new wall. See drawing attached.

2. DRAWING SHEET M2.1
   a. GEX 04 is existing to remain in place. Controls of GEX 04 will need to be adjusted as shown in both M3.1 and in Specifications. See drawing attached.

3. DRAWING SHEET E1.1
   a. The voice/data outlet shall be provided as a 4” square electrical box with a single gang mud-ring. Provide a 1” EMT conduit from the electrical box to the cable tray in the corridor. Cabling will be provided by MSU UIt.

PRIOR APPROVALS:
Approval is given for the following items for general conformance to the project requirements. It is the responsibility of the contractor and equipment supplier to provide equipment and products that meet all the requirements of the plans and specifications. The Engineer reserves the right to reject any product that does not fully meet the project requirements regardless of prior approval.

<table>
<thead>
<tr>
<th>Specification Section</th>
<th>Item</th>
<th>Approved Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>265100</td>
<td>Type AX</td>
<td>Coronet</td>
</tr>
<tr>
<td></td>
<td>Type B8</td>
<td>Coronet</td>
</tr>
<tr>
<td>262726</td>
<td>Wall Switch Occupancy Sensor</td>
<td>Hubbell</td>
</tr>
</tbody>
</table>

END ADDENDUM

Submitted by:
Christopher P. Doyle PE, Consulting Design Solutions, Inc.
Scott T. Elders, PE, Consulting Design Solutions, Inc.
**PRE-BID CONFERENCE SIGN-IN SHEET**

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loras O’Toole</td>
<td>MSU University Engineer</td>
<td>(406) 994-7092</td>
<td><a href="mailto:loras@montana.edu">loras@montana.edu</a></td>
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<td>Martin Lawrence</td>
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<td>Robert Cok</td>
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<tr>
<td>Scott Stroh</td>
<td>Architecture 118</td>
<td>(406) 404-1777</td>
<td><a href="mailto:scott.s@arch118.com">scott.s@arch118.com</a></td>
</tr>
</tbody>
</table>
PRE-BID MEETING AGENDA

Project: Chemistry Run 24 Microscope, PPA # 19-0077
From: Loras O'Toole, Facilities Engineer, ph 7092
Date: 5/26/20

1. Recommended Attendees:
   a. OFS Design Consulting Staff,
   b. OFS Construction Manager,
   c. Safety and Risk Management
   d. Outside consultants
   e. Clients
   f. MSU IT

2. Route sign-in sheet. Introductions

3. Availability of Contract Documents

4. Arrangement of Work:
   a. Related work being performed by MSU or other contractors.
   b. Owner furnished equipment. Microscope, chiller, EMI, + related.
   c. Use of building areas for construction. Inside remodel areas only.
      Face masks required in corridors and other public areas.

5. Bidding Considerations:
   a. Plan review fees paid by owner, permit fees paid by contractor. Status: Submitted to City
   b. Bid opening date, time. June 11 @ 2 pm.
   c. Bid Security of 10% of bid for all projects.
   d. Deadline for Substitution, and Addenda. June 3 at noon
   e. Performance, labor, and material bonds for 100%, for projects over $25,000.
   f. State tax of 1% for projects over $5000.
   g. Prevailing wages for projects over $25,000.
   h. General liability, Owner protective liability, and property insurance, in MSU name.
   i. Completion of project 90 days after Notice to Proceed.
   j. Liquidated damages of 1% per day.
   k. Project meetings. As required during active construction.

6. Review drawings and technical specifications

7. Questions that have been raised since bid documents sent out.

8. Open discussion of project and related questions.

9. Project walk-through.

Encl: List of Attendees, Notes from Meeting
The following is a summary of the above referenced meeting:

I. PURPOSE OF MEETING
   A. Pre-Bid Conference for the above referenced project.

II. ITEMS OF DISCUSSION
   A. Loras O. opened the meeting with introductions and a summary of the project. He communicated the various work and equipment being supplied by the Owner (microscope, electromagnetic interference cancellation system). He stated that the mechanical work and work associated with mechanical controls was going to be critical to the project. He also summarized the various requirements that are typical for Montana public contracts.
   B. Scott S. distributed an agenda and information document to the group. The document included a summary of the types of work necessary for the project. He also mentioned that the architectural scope of work was fairly limited.
   C. Chris D. and Scott E. gave summaries of the mechanical and electrical scopes of work.
   D. Contractors were requested to submit their questions and substitution requests by June 3, 2020.
   E. The group toured the site.

III. FUTURE ACTION ITEMS
   A. Prepare an addendum that is planned for distribution on June 4, 2020.
I. SIGN-IN, COLLECT BUSINESS CARDS

II. INTRODUCTIONS
   A. Owner: Loras O'Toole; MSU - University Engineer; (406) 994-7092; loras@montana.edu
   B. Architect: Scott Stroh; Architecture 118, Bozeman, Montana; (406) 404-1777; scott.s@arch118.com
   C. Mechanical Engineer: Curt Smit; Consulting Design Solutions; Manhattan, Montana; (406) 282-7082; csmil@cdsiengineering.com
   D. Electrical Engineer: Scott Elders; Consulting Design Solutions; Manhattan, Montana; (406) 282-7082; selders@cdsiengineering.com

III. SUMMARY OF PROJECT
   A. The scope of work includes, but is not necessarily limited to, the following:
      1. Limited demolition of existing mechanical, electrical, and lighting systems.
      2. Limited cutting and patching of existing concrete floor slab.
      3. Framing of new interior light-gauge steel stud partitions.
      4. Renovation and extension of existing mechanical, electrical, lighting, and fire sprinkler systems.
      5. New interior frames, doors, and hardware.
      8. Interior painting.
   B. There are two bid alternates represented in the bidding documents.

IV. BIDDING PROCESS AND CONTRACT REQUIREMENTS
   C. Refer to Invitation to Bid for bid date and location.
   D. Refer to Instructions to Bidders for general bidding requirements and procedures, bonding requirements, permits and fees, etc.

V. QUESTIONS PERTAINING TO BIDDING DOCUMENTS

VI. MISCELLANEOUS

VII. TOUR THE PROJECT SITE
VIII. FUTURE ACTION ITEMS

A. Addendum No. 1 is planned to be issued on or around June 4, 2020.
WASHINGTON UNIVERSITY IN ST. LOUIS
MSU-CPDC
CABLING (3/8"x1" NOTCH MINIMUM)
NOTE: CENTER NEW OVERHEAD STRUCTURE CHARACTERISTIC TO EXISTING FRAMING (IF CLOSE) - REFER TO 5/A1 FOR RELATED EQUIPMENT INSTALLATION BY OWNER). CONFIRM LAYOUT OF RELATED EQUIPMENT WITH OWNER AND SUPPLIER PRIOR TO AND DURING CONSTRUCTION.

NOTE: REFER TO 5/A1 FOR CENTER NEW FLOOR SLAB TO REMAIN EXISTING CONCRETE FLOOR SLAB AS REQUIRED FOR NEW EMI CONCRETE SLAB AS REQUIRED FOR NEW EMI CANCELLATION SYSTEM INTERFERENCE (EMI) ELECTRO-MAGNETIC PASSIVE/ACTIVE SYSTEM CABLING, EQUIPMENT, AND INSTALLATION BY OWNER. CONFIRM THE COURSE OF CONSTRUCTION.

NOTE: SCRIBE NEW EAST-WEST PARTITION WALL FURRING TO REMAIN, TYPICAL BY OWNER PRIOR TO THE START OF CONSTRUCTION (BASE BID). BASE AS REQUIRED FOR NEW CONSTRUCTION (BASE BID). NOTE: REMOVE EXISTING RESILIENT STEEL COVERS, TYPICAL AT NOTE: REMOVE EXISTING LOOSE FLOOR PATCH / SEALANT TO REMAIN, TYPICAL EXISTING CONSTRUCTION

NOTE: MAKE FLUSH WITH EXISTING CONCRETE FLOOR SLAB. CONCRETE / GROUT - TYPICAL, THREE LOCATIONS. NOTE: INFILL EXISTING FLOOR TRENCHES WITH CONDUIT SLEEVE @ 24" AFF

NOTE: CENTER NEW LAB 8

NOTE: SAW-CUT EXISTING SLAB FOR EMI CABLING (3/8"x1" NOTCH MINIMUM)

NOTE: REFER TO DRAWING D024-2 FOR PASSIVE ELECTRICAL CABLING AND TO DRAWING D024-1 FOR ACTIVE ELECTRICAL CABLING.

NOTE: TO COMMENCE THE SYSTEM CABLING, EQUIPMENT, AND INSTALLATION BY OWNER. CONFIRM THE COURSE OF CONSTRUCTION.

GENERAL DEMOLITION NOTES:

GENERAL CONSTRUCTION NOTES:

A. CONTRACTOR TO CONDUCT CONSTRUCTION OPERATIONS IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS AND REGULATIONS.

B. CONTRACTOR TO CONDUCT DEMOLITION OPERATIONS AND NOTIFY THE SUSPECTED OF CONTAINING ASBESTOS, CEASE THE WORK AREA.

C. CONTRACTOR TO CLEAN, PATCH, AND REPAIR ALL EXISTING SURFACES AND FINISHES TO REMAIN THAT ARE AFFECTED BY CONSTRUCTION OPERATIONS.

D. REFER TO ENGINEERING DRAWINGS FOR CENTER NEW LAB 8.

E. IT IS NOT ANTICIPATED THAT ASBESTOS CONTAINING MATERIALS WILL BE ENCOUNTERED DURING CONSTRUCTION. REFER TO DRAWING D024-2 FOR PASSIVE ELECTRICAL CABLING AND TO DRAWING D024-1 FOR ACTIVE ELECTRICAL CABLING.

F. PRIOR TO THE START OF CONSTRUCTION, OWNER WILL REMOVE ALL LOOSE FURNITURE, CASEWORK, AND EQUIPMENT FROM THE WORK AREA.