CONTRACT DOCUMENTS

FOR

C-633 - SEISMIC RETROFIT, PROJECT 1

at

CONTRA COSTA COLLEGE

2600 Mission Bell Drive, San Pablo, CA 94806

CONTRA COSTA COMMUNITY COLLEGE DISTRICT

Consist of the following:

ADDENDUM #5

DSA File #7-C1
DSA Application #01-113799

Architect:
Noll & Tam Architects and Planners
729 Heinz Ave.
Berkeley, CA 94710

June 5, 2014
CONTRA COSTA COMMUNITY COLLEGE DISTRICT
C-633 – Contra Costa College Seismic Retrofit, Project 1
Contra Costa College

Date: June 5, 2014

NOTICE TO ALL CONTRACTORS

You are hereby notified of the following changes, clarifications and/or modifications to the original Contract Documents, Project Manual, Drawings, Specifications and/or previous Addenda. This Addendum shall supersede the original Contract Documents and previous Addenda wherein it contradicts the same, and shall take precedence over anything to the contrary therein. All other conditions remain unchanged.

This Addendum forms a part of the Contract Documents and modifies the original Contract Documents. Acknowledge receipt of this Addendum in space provided on the Bid Proposal Form. Failure to acknowledge may subject Bidder to disqualification.

PLEASE NOTE - IMPORTANT DATES:

Last Date and Time for
Last Day to Issue Addendum: ................................June 6, 2014, at close of business (5:00 PM)
Bids Due No Later Than: ..................................June 11, 2014, prior to 2:00 PM
Bids Must Be Received at: ..................................Contra Costa Community College District (Lobby)
500 Court St., Martinez, CA 94553
Attn: Jovan Esprit – Contracts Manager (CCCCD)

A. Deletions, Additions, Changes, Revisions

Drawing Items:

1. Revise Sheets A2.01 and A2.02 as clouded in sketches ASK-01 thru ASK-05, to revise casework in room 39 (anatomy lab) to be removed and replaced with owner furnished contractor installed (OFCI) base cabinets and lab countertop. Cabinets and countertop will be delivered to the contractor no later than August 4th.
2. Revise Sheet A2.02 as follows:
   a. Detail 3, Interior Elevation – Anatomy Lab – At the far right side of the elevation, change callout F10 to F71, and change callout F9 to C72.
3. Revise Sheet S2.07 as clouded in attached sketch SSK-01 to clarify the extent of applicability of the steel ledger angle details.
4. Revise Sheet S1.02 by adding note CM-5 as follows to section “CM Concrete Materials”.
   a. CM-5) Foundation and slabs at the new shear walls in the Biological Science Building near gridlines 10 & 15 shall use ASTM C150, Type III High Early Strength Portland Cement per spec section 03 30 00 – Part 2, item 2.1-A.2.
5. Revise Sheet S1.02 by changing the table of concrete properties provided under note CM-1 as follows:
   a. Change the Minimum Compressive Strength (PSI) provided for Footings / Grade Beams from “3000 @ 56 Days” to “3500 @ 56 Days”.
   b. Change the Minimum Compressive Strength (PSI) provided for Slab On Grade from “3000 @ 28 Days” to “3500 @ 28 Days”.
6. Revise Sheet HM2.01 by adding the following:
   a. HM56 – Remove lead containing drain plumbing and hub connection associated with Anatomy Room sinks. Dispose of oakum in waste pipe hub as an assumed regulated asbestos containing material (RACM).

Specification Items:

1. SPECIFICATION SECTION 00100 - NOTICE INVITING BIDS (Addendum #4):
   On page 2, under the “IMPORTANT INFORMATION” heading, modify the information in the box (“An additional Job Walk is scheduled as follows;”) to ADD 1 (one) additional JOB WALK opportunity on Friday, June 6, 2014 at 8:30 a.m. Attendees will meet in front of the Building and Grounds Department (Building “R”), Contra Costa College, San Pablo, CA.

2. SPECIFICATION SECTION 02080 – Asbestos Abatement and Disposal, (Page 30) – Table I
   ESTIMATED QUANTITIES ASBESTOS-CONTAINING MATERIALS:
   ADD the following row, and the notations below the row, to the bottom on the table (following the row labeled Fire Door) for the Biological Sciences Building:

<table>
<thead>
<tr>
<th>Waste drain hub oakum</th>
<th>Anatomy Room Sinks</th>
<th>RACM</th>
<th>Assumed</th>
<th>4 Hubs or 2 sf</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA = Not Applicable, CH = Chrysotile, TR = Tremolite, RACM = Regulated asbestos containing material (friable), Cat. I = Non-friable (note ACM must be reclassified as a RACM if rendered friable during removal), Cat. II = Category II Non-friable (note ACM must be reclassified as a RACM if rendered friable during removal), O.D. = Outside Diameter, sf = square feet, lf = linear feet</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ADDENDUM #5

3. SPECIFICATION SECTION 02081 – Lead-Containing Paint Removal and Lead-Related Construction:

    ADD the following:

Paragraph 1.3 B.6. Removal of lead containing plumbing drain pipe, trap, and soldered hubs associated with sinks in the Anatomy Room (#39B).

At the end of Paragraph 3.12B: Characterize lead waste drain fittings, pipe and solder per section for landfill disposal or transfer to an approved metal recycler. Provide proof of waste characterization, appropriate disposal location or recycler to the District prior to removal from the site.

Pre-Bid Meeting and Job Walk Documents:

1. Meeting Minutes from Job Walk held on Friday, May 30, 2014, attached.

B. If you have any questions regarding this Addendum, please contact:

    Jovan Esprit, Contracts Manager
    Contra Costa Community College District
    500 Court St., Martinez, CA 94553
    Email: jesprit@4cd.edu
    Facsimile: 925-370-7512;

All other terms and conditions of BID are to remain the same.
Division of the State Architect

END OF ADDENDUM #5
b. Added color and dim
2. Revise Sheet A1.04 as clouded to the following:

Contra Costa Community College District
Contra Costa College
C-633 – Seismic Retrofit, Project 1

THIS SKETCH REVISES DETAIL 2 ON SHEET A2.01 AS CLOUDED

PROJECT
Contra Costa Community College District
Contra Costa College
C-633 – Seismic Retrofit, Project 1

Drawing
ADDENDUM #5
ASK-01
June 5, 2014
**ADDENDUM #5**

**Contra Costa Community College District**
Contra Costa College
C-633 – Seismic Retrofit, Project 1

---

**DEMO EXISTING WALL/FINISHES TO REMAIN**

**DEMO EXISTING CONCRETE WALL TO REMAIN**

**DEMO EXISTING WALL OR ASSEMBLY**

---

**DEMO EXISTING WALL OR ASSEMBLY**

**DEMO EXISTING WALL OR ASSEMBLY**

---

**CONTRA COSTA COMMUNITY COLLEGE DISTRICT**
**CONTRA COSTA COLLEGE**
**C-633 – SEISMIC RETROFIT, PROJECT 1**

---

**Add Color and Dim**

**Revise Sheet A1.04 as Cloud**

---

**THIS SKETCH REVISES SHEET A2.01 AS CLOUDED**
THIS SKETCH REVISES DETAIL 1 ON SHEET A2.01 AS CLOUDED
b. Added color and dim
2. Revise Sheet A1.04 as clouded

THIS SKETCH REVISES DETAIL 3 ON SHEET A2.02 AS CLOUDED
FLOOR PLAN KEYNOTES

F2 PROVIDE RESILIENT FLOOR FINISH, REPLACE TO NEXT FULL TILE AT NEW SLAB

F3 PAINT AT (N) STRUCTURAL BRACE & COLUMN, HIGH PERFORMANCE EPOXY COATING

F4 PROVIDE BACKING AS REQUIRED FOR CASEWORK DETAILS

F5 36" WIDE BASE CABINET WITH ACCESSIBLE SINK, LAB TOP AND 6" BACKSPLASH, OWNER FURNISHED, CONTRACTOR INSTALLED

F7 RE-INSTALL SALVAGED DOOR IN NEW HOLLOW METAL FRAME, PROVIDE DOOR HARDWARE AS SCHEDULED

F9 RE-INSTALL SALVAGED BASE CABINETS

F10 RE-INSTALL SALVAGED LAB TOP

F11 RE-INSTALL SALVAGED UPPER CABINETS

F15 RELOCATE RESTROOMS ACCESSORIES TO MOUNTING HEIGHTS AS NOTED

F16 REPLACE DOOR HARDWARE, PROVIDE LEVER HARDWARE AS SCHEDULED

F35 SSD FOR SHEAR WALL & FOUNDATION SCOPE

F36 RE-INSTALL SALVAGED CEILING TILES, AS REQUIRED FOR STRUCTURAL SCOPE

F39 (E) EXTERIOR DOOR WITH AUTO-OPERATOR

F40 PROVIDE "HI-LO" ACCESSIBLE DRINKING FOUNTAIN AND STAINLESS STEEL PROTECTION RAILS, EACH SIDE OF FOUNTAIN. SEE DETAIL 4/A2.02.

F41 PROVIDE DOOR AND ROOM SIGNAGE

F44 ADJUST DOOR TO MAXIMUM OPERATING FOR OF 5LBS

F45 PROVIDE ISA DECAL/SIGNAGE AT PRIMARY ENTRANCE DOOR

F47 PROVIDE 1:20 SLOPED CONCRETE APRON AT EXISTING CONCRETE STEP

F71 SOLID PHENOLIC LAB COUNTER TOP COUNTER, OWNER FURNISHED, CONTRACTOR INSTALLED

F72 LABORATORY CASEWORK, BASE CABINET, OWNER FURNISHED, CONTRACTOR INSTALLED

THIS SKETCH REVISES SHEET A2.01 AS CLOUDED
THIS SKETCH REVISES IN PART SHEET S2.07 BY REVISING PLAN DETAIL 1 AS CLOUDED.
C-633 SEISMIC RETROFIT, PROJECT #1, PRE-BID MEETING AND JOB WALK

Date: May 30, 2014
Time: 10:00 a.m.
Location: Contra Costa College
Building and Grounds Department Conference Room
2600 Mission Bell Drive
San Pablo, CA

I. INTRODUCTIONS AND SIGN IN
   • Ron Johnson
     a. Introduction of Project Team Members:
        Ray Pyle District Chief Facilities Planner
        Ron Johnson Construction Management Services, Critical Solutions, Inc.
        John Leary Construction Management Services, Critical Solutions, Inc.
        Justin Fahey Structural Engineer – Thornton Tomasetti
     b. Sign-in sheet was circulated, and collected by John Leary. It will be posted to the District’s webpage.

II. WELCOME AND INTRODUCTORY REMARKS
   • Ron Johnson
     a. This project involves seismic retrofits to multiple buildings on campus.
     b. Important Note: An on-site job walk/ field presentation follows the meeting. At completion of the field presentation, be certain to obtain a Certification of Site Visit (Section 00450), signed by the District, if you have not received one from the previous job walk. This signed form must be submitted with your bid.
     c. Review bid documents, and submit RFIs by Wednesday, June 4, 2014, so responses can be included in Addendum #5.

III. BRIEF PROJECT DESCRIPTION
   • Ron Johnson
     a. This project involves seismic retrofits to multiple buildings on Campus, including, but not limited to, Physical Sciences and Biological Sciences.
     b. Prior to construction, Nor-Cal Moving will be responsible for moving some free-standing furnishings and free-standing equipment away from areas that will be impacted by construction. The Campus will move chemicals, and store them away from the construction areas.
• Justin Fahey
  a. Project includes, but is not limited to:
     ▪ Full steel exterior buttress frames
     ▪ Accessibility upgrades
     ▪ X-bracing to outside building envelope
     ▪ Additional non-structural elements

IV. PROJECT WORK RESTRICTIONS (See Section 01140)
  • Ron Johnson
    a. Project has very defined timeframes – goal is to issue NTP the first week in July.
    b. First week of July will consist of off-site work (e.g. submittals); July 7th is first available opportunity to work on site.
    c. Very aggressive schedule for this Summer: Saturday work is required this summer (i.e. July 12, 2014 through August 9, 2014).
    d. A very limited staging area will be available to contractors.
    e. A roof replacement project for the Physical Sciences building may be scheduled at the same time, and the C-633 Contractor will be required to cooperate with the Roof Contractor.
    f. Bidders are encouraged to carefully review Division 0 & 1, specifically Section 01140, Work Restrictions, as published in Addendum # 4.

V. BID PHASE COMMUNICATIONS & CORRESPONDENCE:
  a. All project-related questions/RFIs must be submitted in writing (email is preferable) to:
     Jovan Esprit, Contracts Manager
     Contra Costa Community College District
     500 Court St., Martinez, CA 94553
     Email: jesprit@4cd.edu
     Facsimile: 925-370-6517
  b. Deadline for receipt of RFIs is Wednesday, June 4, 2014, prior to 5:00pm.

VI. ADDENDA UPDATE:
  • Ron Johnson
    a. Addendum #4 was issued on May 23, 2014.
    b. Addendum #5 will be issued on Thursday, June 5, 2014.

VII. BID PHASE SCHEDULE MILESTONES
  ➢ Last day for RFI: Wednesday, June 4, 2014, prior to 5:00 p.m.
  ➢ Last Addendum Issued: Thursday, June 5, 2014
  ➢ Bid Opening: Wednesday, June 11, 2014, 2:00 p.m.
  ➢ Award of Contract: Thursday, June 26, 2014
  ➢ Notice to Proceed Tuesday, July 1, 2014 (approximate)
  ➢ Work starts on Site Monday, July 7, 2014
VIII. BID OPENING:
- Ron Johnson
  a. Bids must be received at the Contra Costa Community College District Office at **500 Court St, Martinez, CA** by Wednesday, June 11, 2014, prior to 2:00 PM.
  b. All bids will be time stamped at the reception counter in the building lobby.
  c. Any bid received after the bid opening time will be rejected.
  d. An announcement will be made at the two-minute mark prior to the bid opening deadline.

IX. CONTRACT DURATION AND DRAFT PROJECT SUMMARY SCHEDULE
- Ron Johnson
  a. Review carefully Section 00600, Construction Agreement
  b. 409 Calendar Days to Substantial Completion (SC)
  c. 45 Calendar Days between SC and Final Completion
  d. A review of the DRAFT Project Summary Schedule (attached), prepared by the District, was conducted by Ron Johnson who highlighted the scope of work by College break periods: Summer 2014 Break, Winter 2014-2015 Break, Spring 2015 Break and Summer 2015 Break. In each of these ‘windows’ the work was broken out by building. It was explained that this is one possible summary level manner to execute the work, not the only way. The Contractor is responsible for means and methods and the preparation of the construction schedule that is in compliance with the Contract Documents.

X. SUBSTITUTION REQUESTS MUST COMPLY WITH CONTRACT DOCUMENTS
  a. Reference Specification Section 00700, General Conditions, Article 3.11.1

XI. SITE JOB WALK/ FIELD PRESENTATION
- Ron Johnson
  a. Access was provided to construction site(s) – Physical Sciences Building, including the North Wing, Biological Science Buildings, and the Maintenance Facility, interior and exterior.
  b. It is essential that Labs are available to students and staff at the start of fall classes on August 15, 2014. Contractor is required to focus on working in the Anatomy Lab as one of the top priorities.
  c. It was pointed out that some areas have very tight work spaces, including the areas for the external cross braces, the seismic clips along 7 line and 17 line, etc. Time was spent examining work areas in the Anatomy Lab (walls, cabinets, counter tops, utilities, etc.).
  d. Reviewed areas outside of Biological Sciences Building that can be used for staging by the C-633 Contractor.
  e. The walk through the Physical Sciences Building highlighted the restricted work areas for the new seismic connections in Chemistry Storage and the Workshop behind the Physics Lab.
XII. SITE QUESTIONS AND CLARIFICATIONS

- Ron Johnson/Justin Fahey

Below are questions asked during the walk, and subsequent answers after the walk that warranted clarification. Responses that warranted changes to the Contract Documents are also included in this addendum.

- Q: Do we need to add a requirement for the Brick Biological Sciences building walls to be scanned before drilling for new anchorage brackets?
  A: No. The existing rebar is #5 at 22” on center, so we shouldn’t hit many bars (likely around 5% of holes), and it is okay if we clip a couple. No changes to the documents are required.

- Q: Are bracing wires and compression struts required for ceilings in corridors less that 12feet wide?
  A: Yes, bracing is required. It’s required by the DSA IR, and is required by Details 2&3/A7.40. The only exceptions to bracing requirements are those listed in 3/A7.40. No changes to the documents are required.
<table>
<thead>
<tr>
<th>Task Name</th>
<th>Duration</th>
<th>Start</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bill &amp; Award Party</td>
<td>30 days</td>
<td>Wed 7/1/14</td>
<td>Thu 7/31/14</td>
</tr>
<tr>
<td>Pre-Comm Work</td>
<td>12 days</td>
<td>Fri 7/18/14</td>
<td>Mon 7/21/14</td>
</tr>
<tr>
<td>Summer 2014</td>
<td>26 days</td>
<td>Mon 7/14/14</td>
<td>Mon 8/11/14</td>
</tr>
<tr>
<td>Biological Sciences Building</td>
<td>28 days</td>
<td>Mon 7/14/14</td>
<td>Mon 8/11/14</td>
</tr>
<tr>
<td>Classroom Shear Walls</td>
<td>30 days</td>
<td>Mon 7/14/14</td>
<td>Mon 8/11/14</td>
</tr>
<tr>
<td>Cat Line P &amp; L Connections</td>
<td>28 days</td>
<td>Mon 7/14/14</td>
<td>Mon 8/11/14</td>
</tr>
<tr>
<td>Special Bracing Assembly</td>
<td>18 days</td>
<td>Mon 7/14/14</td>
<td>Wed 8/6/14</td>
</tr>
<tr>
<td>Prep Work for HVAC</td>
<td>2 days</td>
<td>Fri 8/8/14</td>
<td>Mon 8/11/14</td>
</tr>
<tr>
<td>Physical Sciences Building</td>
<td>26 days</td>
<td>Mon 7/14/14</td>
<td>Mon 8/11/14</td>
</tr>
<tr>
<td>Internal Structural Modifications</td>
<td>20 days</td>
<td>Mon 7/14/14</td>
<td>Mon 8/11/14</td>
</tr>
<tr>
<td>Prep Work for HVAC</td>
<td>3 days</td>
<td>Fri 8/8/14</td>
<td>Fri 8/8/14</td>
</tr>
<tr>
<td>Special Bracing Assembly &amp; Prep Work @ Cat Line P &amp; L</td>
<td>31 days</td>
<td>Mon 7/28/14</td>
<td>Fri 9/4/14</td>
</tr>
<tr>
<td>August - September 2014</td>
<td>40 days</td>
<td>Fri 8/22/14</td>
<td>Fri 9/26/14</td>
</tr>
<tr>
<td>Stadium Press Box Work</td>
<td>25 days</td>
<td>Mon 8/11/14</td>
<td>Fri 9/5/14</td>
</tr>
<tr>
<td>Maintenance Facility Work</td>
<td>20 days</td>
<td>Fri 8/22/14</td>
<td>Fri 9/5/14</td>
</tr>
<tr>
<td>Winter Break 2014-2015</td>
<td>17 days</td>
<td>Fri 1/16/15</td>
<td>Wed 1/21/15</td>
</tr>
<tr>
<td>Biological Sciences Building</td>
<td>13 days</td>
<td>Mon 3/9/15</td>
<td>Mon 3/21/15</td>
</tr>
<tr>
<td>Ceiling Grid Service Work for Flex (5) Classrooms</td>
<td>10 days</td>
<td>Wed 4/1/15</td>
<td>Wed 4/11/15</td>
</tr>
<tr>
<td>Maintenance for ATR</td>
<td>5 days</td>
<td>Wed 4/1/15</td>
<td>Wed 4/11/15</td>
</tr>
<tr>
<td>Roof Related Work</td>
<td>4 days</td>
<td>Fri 4/3/15</td>
<td>Fri 4/11/15</td>
</tr>
<tr>
<td>Install External Cross Bracing</td>
<td>7 days</td>
<td>Fri 4/10/15</td>
<td>Mon 4/13/15</td>
</tr>
<tr>
<td>Physical Sciences Building</td>
<td>17 days</td>
<td>Mon 4/13/15</td>
<td>Mon 5/1/15</td>
</tr>
<tr>
<td>Main Hallway Structural Ceiling</td>
<td>17 days</td>
<td>Mon 4/13/15</td>
<td>Mon 5/1/15</td>
</tr>
<tr>
<td>Physical Sciences North Wing</td>
<td>17 days</td>
<td>Mon 4/13/15</td>
<td>Mon 5/1/15</td>
</tr>
<tr>
<td>Structural Ceiling Upgrades</td>
<td>17 days</td>
<td>Mon 4/13/15</td>
<td>Mon 5/1/15</td>
</tr>
<tr>
<td>Spring Break 2015</td>
<td>5 days</td>
<td>Mon 3/30/15</td>
<td>Fri 4/3/15</td>
</tr>
<tr>
<td>Parking Lots F 12 &amp; F 13</td>
<td>5 days</td>
<td>Mon 3/30/15</td>
<td>Fri 4/3/15</td>
</tr>
<tr>
<td>Summer Break 2015</td>
<td>27 days</td>
<td>Mon 3/30/15</td>
<td>Tue 5/16/15</td>
</tr>
<tr>
<td>Biological Sciences Building</td>
<td>27 days</td>
<td>Mon 4/13/15</td>
<td>Tue 5/16/15</td>
</tr>
<tr>
<td>Structural Bracing @ Cat Line 10 &amp; 13</td>
<td>8 days</td>
<td>Mon 5/16/15</td>
<td>Mon 5/23/15</td>
</tr>
<tr>
<td>Structural - Roof / Beam Connections</td>
<td>12 days</td>
<td>Mon 5/23/15</td>
<td>Tue 6/2/15</td>
</tr>
<tr>
<td>Support Work Clean-Up</td>
<td>10 days</td>
<td>Wed 6/3/15</td>
<td>Tue 6/16/15</td>
</tr>
<tr>
<td>Project #1 Closeout</td>
<td>33 days</td>
<td>Tue 7/14/15</td>
<td>Thu 8/6/15</td>
</tr>
</tbody>
</table>