



Ventura County Community College District
761 East Daily Drive, Camarillo, CA 93010
Purchasing Department

TO: All Bidders May 21, 2020
FROM: Janice Kisch, Purchasing Specialist
SUBJECT: Bid 607 Ventura College Math Science HVAC Replacement

Bid 607 Ventura College Math Science HVAC Replacement – ADDENDUM 2

This addendum is hereby made a part of the contract documents to the same extent as though it was originally included therein and takes precedence over the original documents.

Note that the Bid Proposal Form requires acknowledgement of receipt of all addenda.

It is the responsibility of the Bidder to verify that their Bid Proposal and all addenda has been received and delivered to the VCCCD Purchasing Department prior to the bid opening date and time. Verification of receipt can be obtained through the listed Purchasing Specialist.

New Information:

1. **Bid Due Date is Extended: Bids are Due at 3:00 pm. on Thursday May 28, 2020.**
2. **Bidders shall review the attached report prepared by Analytical Consulting Group, Inc. dated May 8, 2020 for information regarding the existing building conditions.**

Changes to Special Conditions Section 00800:

1. **Revise paragraph 1.02 D to read as follows:**
“ **D. Delayed Submittals.** The per day assessment of Liquidated Damages for Contractor’s delayed submission of Submittals pursuant to Article 4.8.2.1 of the General Conditions is One Thousand Dollars (\$1,000) per calendar day per Submittal until the required Submittal is submitted.”

Changes to Specifications:

2. **Revise Specifications Section 01_3300, paragraph 3.01, F 1 to read as follows:**
“**F. Timing of Submittals:** 1. In accordance with General Conditions, CONTRACTOR shall submit to ENGINEER WITHIN 21 CALENDAR DAYS OF THE NOTICE TO PROCEED with copy of transmittal to the OWNER, those Shop Drawings, Product Data, diagrams, material lists, Samples and other submittals required by the Contract Documents.”

Changes to the Drawings:

Drawing T-0.1, SPECIAL NOTES FOR DEMOLITION:

Add new note 9 to read: “9. WHERE NEW STEEL FRAMING IS CALLED FOR, ADJUST, SHORE, SUPPORT OR REMOVE AND REINSTALL EXISTING DUCTS, PIPES, CONDUITS, EQUIPMENT, FIXTURES AND FITTINGS AS NECESSARY TO INSTALL NEW STEEL FRAMING. ALL EXISTING CONSTRUCTION NOTED TO REMAIN SHALL BE IN WORKING ORDER AFTER INSTALLATION OF STEEL FRAMING. IT IS BIDDERS RESPONSIBILITY TO BE FAMILIAR WITH EXISTING CONDITIONS AND OWNER WILL MAKE BUILDING AVAILABLE TO BIDDERS FOR INVESTIGATION.”

Bidder Questions and Answers:

Question: 1

The bid drawings indicate that part of the scope of work is to replace the duct smoke detectors. We need to have the specs from the existing system in order to match the correct detectors, and to also be able to contact the correct support subcontractor that maintains and monitors the system. Please also clarify if it is the electrical contractor responsibility to supply the duct detectors as well.

Response:

The duct smoke detectors are being provided by the equipment manufacturer.

Question: 2

The bid drawing E-5.2 Note, 15 asks that we provide demand meter installed at the 1200 amp main unit substation main switchboard "MSA". Please provide specifications for the metering required.

Response:

See spec section 26-2413, 2.01, A,15.

Question: 3

Is there an existing campus-wide control environmental control/energy management system? For the project's scope, are we installing a new standalone energy management system or must we integrate to an existing one?

Response:

There is an existing system that you must integrate to.

Question: 4

The specifications 23 0800, 23 0813, 23 0900, 23 0923 with Appendix A are scanned documents and not electronic PDF type files. This makes subject matter searches not possible.

Can you please provide true electronic copies of the specifications as are other sections and bids docs are so they can be searched?

Response:

No, the DSA approved specs are PDF's only.

Question: 5

Specifications 23 0800 & 23 0813 appear to have duplicate commissioning requirements. Which section takes precedence?

Response:

This is a coordination issue, some seem to be duplicated but they apply to different section of the work.

Question: 6

Section 23 0813, 1.05, D, Requests 16 hours software optimization and 3.13 requests 40 hours software optimization.

Is a total of 56 hours to be included in control contractor's proposal for these tasks?

Response:

There are different sections of the specification. Provide 56 hours as a minimum. The training for the school staff is really needed, very complex system.

Question: 7

Section 23 0923, 2.02, B, indicates that the secondary module network will be MSTP at 38KB. ALC primary & secondary network is designed for a maximum of 156KB. If the request is 38.4KB then existing network wire might be able to be re-used, however communication will be slower. If the higher BAUD then ALL new module network wiring will need to be new low capacitance cable.

Is it the design intent to require all new ALC hardware to be configured for ARC156 KB and the integration of third party MSTP at 38.4 or the highest available MSTP speed?

Response:

Provide new hardware and cabling.

Question: 8

Section 23 0923, 2.02,C This paragraph mentions supplied computer software, the current version of Automated Logic WebCTRL software at Ventura College is 6.0 and outdated. There is no requirement in the bid docs or specs that indicate to upgrade to the latest version.

Is it the intent of the college to include the request in this project to upgrade software to the latest version due to manufacturer scheduled sunset of the current version of software?

Response:

YES, as long as the new software can be uploaded and communicate with the existing ALC.

Question: 9

Section 23 0923, 2.03,A, States Operator Workstation. The college runs the WebCTRL server application on a Virtual Machine server provided and managed by District IT staff.

Are any new computers to be provided for this project?

Response:

Yes, provide new computer and follow ALC requirements and provide VC IT department any information or permission necessary for access.

Question: 10

Section 23 0923-17, APPENDIX A SCHEDULE OF RESPONSIBILITIES

This Appendix has important information regarding which trades are to provide specific work for the controls work found in this Spec Section. Questions: Has the Project Engineers and other Trade contractor mentioned in the appendix been notified in their specification section or drawings by Reference to review this appendix for work they are required to provide?

Response:

This is the responsibility of the bidder. No additional notice is required.

Question: 11

Drawing M-0.1, Addendum 1, Existing Mixing Box Schedule NOTE 1 regarding verification of existing mix box in good operating condition and Drawing 7.2 Detail 4 Dual Duct VAV box indicate velocity flow probes on the inlet side of the box. All existing mix boxes at Math & Science are controlled by a velocity flow probe on the discharge side of the box. There are specific mix boxes that are to remain and new controllers added.

Is it the intent in the request in Note 1 to remove the discharge flow probe in ALL remaining mix boxes or abandon in place and install NEW dual inlet probes on all boxes that are to remain in this project?

Response:

Remove all existing probes and install new probes in mixing boxes to remain. Provide new probes at new mixing boxes.

Question: 12

Drawing M-1.2 VVT Damper Schedule and Building A First Floor Plan indicate TRANE VVT Boxes. The VCCCD Standard is Automated Logic controls and this is asking for Trane VVT boxes. Also Drawing M-7.1 Network Architecture Building A indicates ZN341 modules.

Is it the design intent that the Trane VVT boxes are to be provided by mechanical as a bare box and Automated Logic will be provided for controls on box?

Response:

This is a coordination issue between the G.C. and his Subs.

Question: 13

Drawing M-7.1 Network Architecture, There are small square boxes notated as "COMM CARD" on various equipment. It is understood that this represents third party integration cards.

Please clarify that all mechanical equipment and VFD's which require integration are to be provided by Mechanical Contractor equipment vendor.

Also Appendix A in Item 7 above indicates VFD's by controls contractor, should this be provided by mechanical contractor?

Response:

This is a coordination issue between the G.C. and his Subs.

Question: 14

Drawing M-7.1 Network Architecture – based on Automated Logic technical documents there appears to be an unnecessary amount of AMR integration cards which adds cost.

Can the controls contractor bid this project with a variation on the amount of AMR and AAR cards required based on factory authorized experience and Automated Logic Technical manuals which outline limitations and design requirements?

Response: Provide what is specified.

Question: 15

Is ALL low voltage communication network and control wire to be in conduit?

Response: YES

Question: 16

Electrical Drawings, sheets E-2.1, E-3.1, and E-4.2 show connecting smoke fire dampers to a fire alarm system. They will need to provide a price to connect to their panels.

Response:

Hunter Duker, Senior Technician/Estimator / 805-648-5906 Ext, 103

INTEGRATED FIRE & SAFETY / NICET III # 123700

www.integratedfireandsafety.com

END OF ADDENDUM 2

May 8, 2020

ACG Job No. I2004-1344

Ventura College Maintenance & Operations
4900 Loma Vista Road
Ventura, CA 93003
Attn: Mr. Martin Navarro

Subject: Limited Pre-Renovation Lead and Asbestos Survey

Site: Math & Science Complex, Ventura College Campus

INTRODUCTION

ACG has conducted a limited pre-renovation lead and asbestos survey in the Math and Science buildings identified in the “Bid 607 Ventura College Math Science HVAC Replacement” document as buildings A, B, and C of Ventura College located at 4667 Telegraph Road Ventura, California. The study included visual inspection of all areas to be renovated, bulk sampling of selected suspect asbestos containing building materials (ACBM), analysis of bulk samples by an accredited laboratory, x-ray fluorescence (XRF) analysis of lead in paint, and recommendations.

The subject buildings were constructed in 1996. Spray- and wet-applied asbestos-containing building materials, including fireproofing, drywall joint compound, and plaster, were banned in 1973. Asbestos was voluntarily removed from most other products in the 1980s.

The investigation was limited to areas and materials that may be disturbed by planned renovations, as indicated in the bid documents and associated drawings. Not all areas and materials affected by the renovation could be accessed. The results and findings contained in this report apply only to tested areas and materials. Some of the support beams included in the planned renovation were inaccessible because they are boxed. Samples of fireproofing were taken from unboxed beams in buildings B and C. All support beams visually inspected were unpainted with fireproofing sprayed directly onto the beam. It is likely but not guaranteed that boxed support beams are fireproofed in the same manner.

METHODOLOGY

ASBESTOS-CONTAINING MATERIALS

The pre-renovation asbestos survey was conducted in accordance with the Federal NESHAPS regulation 40 CFR 61 Subpart M and VCAPCD Rule 62.7. The nondestructive investigation was performed to identify the composition of the sprayed on fireproofing and other materials that are to be disturbed during the proposed HVAC project. The inspection was conducted by Mr. Ben Regester, CSST No. 17-5994 and Mr. Austin Dunn, CSST No. 19-6584, under the supervision of Mr. Michael Tiffany, CAC No. 15-5398.

Five samples of suspect ACBM were submitted to SGS Forensic Laboratories in Hayward, California. The bulk samples were analyzed for asbestos type and percentage using polarized light microscopy with dispersion staining (PLM/DS) in accordance with EPA Method 600/R-93-116. SGS Forensic Laboratories is accredited for bulk asbestos analysis by NIST/NVLAP. The laboratory reports are attached.

The asbestos analysis results are summarized in **Table 1 – Asbestos Bulk Sample Analytical Results**.

LEAD-BASED PAINT

A limited lead-based paint screening survey was conducted by Mr. Ben Regester, California Department of Public Health Certified Lead Inspector/Assessor No. 24997. A Heuresis PB200i X-ray fluorescence (XRF) analyzer was used to test representative painted surfaces on the interior of the building in areas subject to renovation. The purpose of the XRF survey was identification of lead-based and lead-containing paint which may require special handling during renovation.

The lead survey results are summarized in **Table 2 – Lead in Paint**.

FINDINGS

ASBESTOS-CONTAINING MATERIALS

No asbestos-containing materials were found in the surveyed areas. No asbestos removal is required prior to renovation unless previously undiscovered suspect ACM is found during renovation. **Table 1** lists all materials sampled with locations and analytical results.

**TABLE 1
 ASBESTOS BULK SAMPLE ANALYTICAL RESULTS**

Material	Building	Room	Location	Sample ID	Result
Ceiling Tile- 2'x4' Fissured	B	Multipurpose	Ceiling	504-A5	ND
Ceiling Tile- 2'x4' Fissured	A	Computer Lab	Ceiling	504-A3	ND
Drywall/Joint Compound	A	Computer Lab	Wall	504-A4	ND
Sprayed-on Fireproofing	B	Electrical Room	Structural steel beams	504-A2	ND
Sprayed-on Fireproofing	C	Electrical Room	Structural steel beams	504-A1	ND

ND = No asbestos detected

LEAD-BASED PAINT

Paint containing more than 5,000 ppm lead is considered lead-based paint. Paint containing more than 600 ppm lead is considered lead-containing paint and is subject to Cal/OSHA regulations during demolition. Removal of lead-based paint or lead-containing paint is not required prior to demolition or renovation.

Very low lead concentrations were detected in wall paints. The highest lead content detected at 0.07 mg/cm² was in the Computer Lab. Lead containing paint above 0.2 mg/cm² as analyzed by XRF generally contains >600 ppm lead. No paint in excess of 0.2 mg/cm² was detected.

No paint was found on structural steel where the surface of the steel was visible. Any paint found on structural steel should be assumed to contain lead unless tested.



The paint in the surveyed areas of the structure likely do not exceed the Cal/OSHA criterion of 600ppm however the demolition contractor must comply with the requirements of the Cal/OSHA Lead in Construction Standard (8CCR§1532.1) regarding protection of employees from exposure to lead during renovation. Lead readings are listed in **Table 1** below.

TABLE 2
LEAD IN PAINT
X-ray Fluorescence Readings


Reading Number	Location	Room	Side	Component	Substrate	Color	Lead (Pb) mg/cm ²
90	Building A	Computer Lab	South	Wall	Drywall	Blue	0.07
91	Building A	Computer Lab	East	Wall	Drywall	Blue	0.06

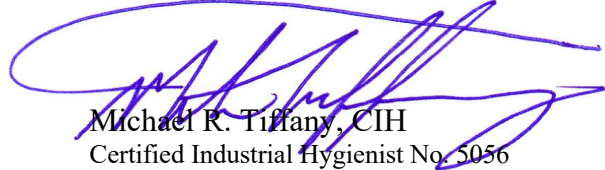
LIMITATIONS

We have made a diligent effort to discover all accessible asbestos-containing building materials and lead-containing paint in the area of the survey. However, some areas of the renovation were inaccessible without destructive investigation and could not be sampled. There is always a possibility that some materials may have escaped detection. The renovation contractor should be alert to the possibility of encountering such materials and should stop work if suspect material is found. Any untested paint or suspect ACM found which is not included in this report should be assumed to be hazardous until it is tested.

The observations and findings given herein are the professional opinions of Analytical Consulting Group, Inc. based on our observations and on reasonably ascertainable information supplied by laboratories, reports prepared by others, and the client. This report was prepared in accordance with the standards of practice commonly used by environmental professionals in this area. No other warranty, expressed or implied, of any kind is made or intended in connection with this report, or by the fact you are being furnished this report, or by any other oral or written statement.

Respectfully submitted,


Ben Regester
Lead Inspector/Risk Assessor No. 24997
CSST No. 17-5994


Michael R. Tiffany, CIH
Certified Industrial Hygienist No. 5056
CAC No. 15-5398

ATTACHMENTS:

SGS Forensic Laboratories Bulk Sample Analytical Report



Bulk Asbestos Analysis

(EPA Method 40CFR, Part 763, Appendix E to Subpart E and EPA 600/R-93-116, Visual Area Estimation)
NVLAP Lab Code: 101459-1

Analytical Consulting Group
Michael Tiffany
1746F S. Victoria Ave.
Suite #366
Ventura, CA 93003

Client ID: 6979
Report Number: B303512
Date Received: 05/06/20
Date Analyzed: 05/07/20
Date Printed: 05/07/20
First Reported: 05/07/20

Job ID/Site: I1344; Ventura College

SGSFL Job ID: 6979
Total Samples Submitted: 5
Total Samples Analyzed: 5

Date(s) Collected: 05/04/2020

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
504-A1	51347603						
Layer: Tan Semi-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (15 %)							
504-A2	51347604						
Layer: Tan Semi-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (15 %)							
504-A3	51347605						
Layer: Grey Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (35 %) Fibrous Glass (45 %)							
504-A4	51347606						
Layer: White Drywall			ND				
Layer: White Skimcoat/Joint Compound			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (15 %) Fibrous Glass (3 %)							
504-A5	51347607						
Layer: Grey Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (35 %) Fibrous Glass (45 %)							



Tiffani Ludd, Laboratory Supervisor, Carson Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

Analytical results and reports are generated by SGS Forensic Laboratories (SGSFL) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by SGSFL to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by SGSFL. The client is solely responsible for the use and interpretation of test results and reports requested from SGSFL. SGSFL is not able to assess the degree of hazard resulting from materials analyzed. SGS Forensic Laboratories reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.



Client Name & Address: Analytical Consulting Group, Inc. 1746F Victoria Avenue #366 Ventura, CA 93003		Client No.: 6979	PO / Job#: 11344	Date: 05/04/2020
Contact: Michael Tiffany		Phone: (805)340-2617	Turn Around Time: Same Day / <input checked="" type="checkbox"/> 1Day / 2Day / 3Day / 4Day / 5Day	
E-mail: Lab@AnalyticalConsultingGroup.com		<input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer <input checked="" type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input type="checkbox"/> Point Count 400-1000 / <input type="checkbox"/> CARB 435		
Site Name: Ventura College		<input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass)		
Site Location:		<input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project <input type="checkbox"/> Metals Analysis Matrix: Method: Analytes:		
Comments:			<input type="checkbox"/> Silica in Air <input type="checkbox"/> w/Gravimetry <input type="checkbox"/> Quartz Only	

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg LPM	Total Time	
504-A1	↓	Fireproofing- Building C	<input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
504-A2		Fireproofing-Building B	<input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
504-A3		Fissured Ceiling Panels Building A	<input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
504-A4		Drywall/ Joint Compound Building A	<input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
504-A5		Fissured Ceiling Panels Building B	<input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
			<input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
			<input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
			<input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
			<input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				

Sampled By: Austin Dunn	Date/Time: 05/04/2020	Shipped Via: <input type="checkbox"/> Fed Ex <input checked="" type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other:		
Relinquished By:	Relinquished By:	Relinquished By:		
Date / Time: 05/04/2020	Date / Time:	Date / Time:		
Received By:	Received By:	Received By:		
Date / Time: 05/04/2020	Date / Time:	Date / Time:		
Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Condition Acceptable? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Condition Acceptable? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

Forensic Analytical Laboratories may subcontract client samples to other FAL! locations to meet client requests.
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 Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, CA 90221 • Phone: 310/763-2374 • 888/813-9417
 Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 • Phone: 702/784-0040