Date: October 18, 2011

ADDENDUM No. 9

RFP 11-12/01 Merritt College Science & Allied Health Center

This Addendum modifies the original RFP Documents for the above RFP. Acknowledge receipt of this addendum in the space provided on the PROPOSAL FORM, 1.05. Failure to do so may subject Bidder to disqualification.

List of attachments:

<table>
<thead>
<tr>
<th>Description</th>
<th>Number of Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section 08 62 20</td>
<td>4 pages</td>
</tr>
<tr>
<td>Merritt Design Concept Review</td>
<td>19 pages</td>
</tr>
<tr>
<td>Photovoltaic Design Summary</td>
<td>1 page</td>
</tr>
</tbody>
</table>

QUESTIONS ASKED AND ANSWERED

1) Is it possible to get a two week extension and have the proposals due on Thursday November 10, 2011?

Response: Addendum #8 posted on October 6, 2011 extended the Bid Proposal to 2:00 pm on November 3, 2011. Deliver your Bid Proposals to the Purchasing Department. No late proposals will be accepted. Your request will not meet the District’s legislative calendar for 2011.

2) The numbering system for the alternate bids does not match those in Appendix B dated December 17, 2010. Suggest renumbering the alternates on the proposal form to match the numbering system in Appendix B.

Response: As described in the 9.15.2011 review, the Add Alternate list and numerical designations from Article 2.06 supersede the number and order described in Appendix B of the Bridging Documents.
3) Reference Addendum #6, Document 00 4200 (Proposal Form), Item 1.04 Alternates. Alternate 3 on the Proposal Form (Photovoltaic System) is not provided in Appendix B dated December 17, 2010. Please provide Bridging Document information on what we should quote for the Photovoltaic System.

Response: Please see response to Item 2 above. The attached annotated illustration SK-1 describes the extent of system. Please base the estimated construction cost on this conceptual design.

4) Reference Addendum #6, Document 00 4200 (Proposal Form), Item 1.02A Architectural and Preconstruction Costs and Item 1.04 Alternates. Please clarify if you want the design fees associated with designing the alternates included in each individual alternate price or if you want them in our lump sum price for architectural and preconstruction costs.

Response: Include design cost for each alternate. Such cost per alternate must be identified.

5) Addendum #6, Item 3.01.E.12 references document 00 4333 (Schedule of Major Equipment and Materials) that needs to be turned in with the bid. I cannot find that document in the bid documents. Can you please provide it?

Response: Please disregard this requirement. It is not necessary to provide a Schedule of Major Equipment and Materials with the proposal.

6) Addendum #6, Document 00 4200 (Proposal Form), Item 1.02F requires us to provide a construction cost for Process Equipment Subgroup Division 40-48. The bid documents appear to stop at Division 33. Can you please provide Division 40-48?

Response: Please disregard this requirement. The Scope of construction for the proposals does not include Process Equipment.

7) Can you please provide the Power Point Presentation that was at the Pre-Proposal Meeting on September 15th?

Response: The power point presentation is meant to serve as an information document only and is not and should not be used for bidding purposes. It is not part of the bridging documents. The bid is based on the architect's drawings and specifications only.

8) Can you please provide a copy of the soils report?

9.) Do all substitutions need to be presented to the owner prior to the proposal due date and if so will all teams’ substitutions be shared with the other teams?

    **Response:** No substitution need to be presented to owner prior to the bid due date.

10.) Can you clarify if the District or a district hired entity will be performing the site utilities out side of 5’ from the building?

    **Response:** A district hired entity will be performing the site utilities as needed.

11.) Does the district have technology standards? If so can we receive a copy of them?

    **Response:** requirements for LAN and WAN infrastructure are incorporated into the Bridging Documents, Division 27 of the Specifications. Specific requirements for instructional technology equipment are described in the “ILET Standards”, included in the Program Document.

12.) Can you identify who will be on the proposal reviewing team and the interview team from the district?

    **Response:** For the sake of transparency and to avoid undue pressure to proposed committee members, the team identity shall remain confidential until the final interview date.

13.) Will a Good Faith Effort be allowed in lieu of the 25% SLEB criteria?

    **Response:** No. There is a scoring component accessed to your plan regarding how you intend to achieve your goal. Please refer to board policy 6.90.

14.) Can we receive a copy of the Energy Model from the Bridging Team in a “gxml” format?

    **Response:** The Energy Model electronic file in “gxml” format is available on disk at the Peralta Community College District Department of General Services reception desk. Office hours are from 8:00 until 5:00 Monday through Friday.

    Please be advised that the Energy Model electronic file is not part of the Contract Documents. This is offered for informational purposes only and is subject to the limitations of use described on the cover letter that accompanies the disk.
15.) Is the program summary provided in the bridging documents a contract requirement?

Response: The Program Summary provides supplementary information only. The extent of required furnishings and equipment for Base Bid proposals is shown on the Drawings and described in the Specifications. The Program Summary does describe the furnishings and equipment that may be needed to complete the Shell Space, constructed as an additive Alternate.

16.) Can you specify which items on the FF&E list are Owner Provided Owner Installed, Owner Provided Contractor Installed, and Contractor Provided & Installed?

Response: A detailed itemization is provided in the Appendix.

17.) Please clarify which proposal requirements are excluded from the 40-page limitation, e.g., cover, table of contents, tabs, resumes, schedule, proposal security, non-collusion affidavit, and surety letter.

Response: There is a 40-page (back and front) limitation or an 80 page single-sided limit. The District is not including the cover, table of contents, tabs (only used as demarcations not printed with excess information), non-collusion affidavit, and surety letter.

18.) Can we put a request in for a site survey of the project site; grading and utilities?

Response: No. A preliminary survey will be provided to the selected firm.

19.) On page 3 to page 9 of Specification Section 08 62 20 Tubular Skylights, it appears the Laboratory Fume Hood specification has inadvertently been inserted. Can you please correct and re-issue spec section 08 62 20?

Response: Please delete “Section 08 62 20 - Tubular Skylights” as issued with the Bridging Documents. Replace with “Section 08 62 20 - Tubular Skylights (re-issued)”, attached.

20.) Can you please confirm the location of the Engineered Concrete Tiles specified in section 09 30 00. Do these occur at the four main exterior entrances to the building? If yes, then where does Specification Section 32 78 00 Unit Pavers occur on this project?

Response: “Section 32 78 00 - Unit Paving” describes paving materials at pedestrian pathways. Please refer to Drawing L-005 for paving locations at the four entries to the building. “Section 09 30 00 - Engineered Concrete Tile” describes the paving system at exterior deck conditions over enclosed space. Please refer to Drawings A-202A and A-204B for deck locations and Drawings A-381, A-382 and A-383 for typical cross sections.
21.) Please confirm all classroom modular furniture (including Add Alternate for Shelled Spaces) is to be excluded from our proposal.

   **Response:** *Please exclude costs to provide or install Classroom Modular Furniture from the proposal.*

22.) If classroom modular furniture is furnished and installed by owner, which rooms (if any) does Specification Section 12 61 00 – Fixed Audience Seating (i.e. Swing Away Seat and Table Systems) apply to this project?

   **Response** “Section 12 61 00 – Fixed Audience Seating” is part of the Shelled Space for Tiered Classroom 2401. Please assume installation of fixed seating as part of the cost to provide the Add Alternate.

23.) The documents are not very clear on the 4000 lb elevator. The description is a service elevator, the drawing shows it in a service configuration, but the specifications describe the platform dimensions as a passenger configuration. Can you provide clarification?

   **Response:** *Section 14 21 00.1.2.I.1 stipulates the size platform of the service lift (“Elevator A”) to be used in the project. Elevator A is intended to meet both service needs (load capacity) and access requirements (dimensional criteria)*

All other terms and conditions of RFP No. 11-12/01 to remain the same.
SECTION 08 62 20 (re-issued)

TUBULAR SKYLIGHTS

PART 1 - GENERAL

1.1 SECTION INCLUDES

Section Includes:

1. Tubular skylights consisting of skylight dome, reflective tube, and diffuser assembly.
2. Daylight dimmer system.
3. Accessories.

1.2 REFERENCES

ASTM A641 – Zinc-Coated (Galvanized) Carbon Steel Wire.
ASTM D635 – Test Method for Rate of Burning and/or Extent of Time of Burning of Self-supporting Plastics in a Horizontal Position.
ASTM E283 - Test Method for Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.
ASTM E308 - Standard Practice for Computing the Colors of Objects by Using the CIE System.
ASTM E547 - Test Method for Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Cyclic Air Pressure Difference.
UL - Underwriters Laboratory - UL 181 - Factory Made Air Ducts and Air Connectors.

1.3 PERFORMANCE REQUIREMENTS

Completed skylight assemblies shall be capable of meeting the following manufacturer performance requirements:
1. Air Infiltration Test: Maximum 0.30 cfm/sf aperture at 1.57 psf pressure differential when tested in accordance with ASTM E283.

2. Water Resistance Test: No water leakage at 10.5 psf pressure differential with water rate of 5 gallons/hours/sf when tested in accordance with ASTM E547.

3. Uniform Load Test: No breakage, permanent damage or permanent deflection of any section at either a maximum positive load of 150 psi or negative load of 70 psi. All units shall be tested with a safety factor of three for positive pressure and two for negative pressure, acting normal to plane of roof in accordance with ASTM E330.

4. Fire Testing:
   b. Self-Ignition Temperature: Greater than 650 degrees F per ASTM D1929.
   c. Smoke Density Rating: No greater than 450 per ASTM E 84 in way intended for use.
   d. Rate of Burn: Maximum Burning Rate of 2.5 inches/min for Classification CC-2 material per ASTM D635.
   e. Rate of Burn Extent: Maximum Burn Extent of 1 inch for Classification CC-1 material per ASTM D635.
   f. ICC Compliance: Comply with ICC AC-16 Acceptance Criteria for Plastic Skylights.

1.4 SUBMITTALS

Shop Drawings: Indicate layout, detail of construction and identification of installation of materials.
Test Reports: Independent testing agency or evaluation service reports verifying compliance with specified performance requirements.

1.5 SUSTAINABLE DESIGN SUBMITTALS

LEED Submittal: Credit IEQ 6.1, provide manufacturer's documentation for daylight dimming strategies for daylighting systems.
LEED Submittal: Credit IEQ 8.1, provide manufacturer's documentation for substantiation of daylighting measurements.

1.6 QUALIFICATIONS

Manufacturer: Company specializing in the manufacture of tubular skylights for a minimum of 10 years.

1.7 WARRANTY

Skylights: Manufacturer's standard 10 year warranty.
Electrical Parts: Manufacturer's standard 5 year warranty.

1.8 EXTRA MATERIALS
Furnish complete touchup kit for each type and color of fume hood finish provided. Include fillers, primers, paints, and other materials necessary to perform permanent repairs to damaged fume hood finish.

PART 2 - PRODUCTS

2.1 MANUFACTURERS AND PRODUCTS


2.2 TUBULAR SKYLIGHTS

Transparent roof-mounted skylight dome and self-flashing curb, reflective tube with ceiling level diffuser assembly. All components made and assembled by one manufacturer. Transparent, UV and impact resistant dome with flashing base supporting dome and top of tube in conformance with the following:

1. Outer Roof Dome Assembly: 0.125 inch minimum thick injection molded acrylic classified as CC2 material.
2. Inner Dome Assembly: 0.115 inch thick injection modeled acrylic classified as CC1 material.
3. Low-Angled Sun Reflector: Variable prism optic molded into outer dome to capture low angle sunlight and limit high angle sunlight.
4. Roof Flashing Base: Sheet steel, one piece, seamless, leak-proof flashing functioning as base support for dome and top of tube conforming to ASTM A 653. Base Style: Type FCM, curb cap, with inside dimensions of 27 inches x 27 inches to cover curb.
5. Tube Ring: 0.090 inch nominal thickness injection molded high impact PVC.
6. Dome Seal: Adhesive backed weather-strip 0.63 inch tall by 0.28 inch wide.
7. Reflective Tube: Aluminum sheet, 0.018 inch thickness.
   (a) Interior Finish: Spectralight Infinity high reflectance specular finish on exposed reflective surface; specular reflectance of greater than 99 percent for visible spectrum, less than 93 percent for total solar spectrum.
   (b) Color: a* and b* (defined by CIE L*a*b* color model) shall not exceed plus 2 or be less than minus 2 as determined in accordance to ASTM E 308.
   (c) Tube Diameter: Approximately 21 inches.
   (d) Top Tube Angle Adapter, Type TA: Reflective 30 degree adjustable top tube angle adapter, 16 inches long.
   (e) Bottom Tube Angle Adapter, Type BA: Reflective 30 degrees adjustable bottom tube angle adapter, 16 inches long.
   (f) Top Tube Angle Adapter and Bottom Top Tube Angle Adapter Kit, Type AK: Reflective 30 degree adjustable top and bottom angle adapters, 16 inches long.
   (g) Extension Tube: Reflective extension tube, Type EXX, notched for open ceiling diffuser attachment, 24 inches long.
   (h) Reflective 90 Degree Adjustable Tube: Manufacturer's standard adapters for applications.
   Glass-Fiber-Reinforced Polyester: Polyester laminate with a chemical-resistant gel coat on the exposed face, and having a flame-spread index of 25 or less per ASTM E 84.
   Epoxy: Factory molded, modified epoxy-resin formulation with smooth, non- specular finish.
9. Diffuser Assemblies for Tubes Penetrating Ceilings: Solatube Model 750 DS-C ceiling mounted box transitioning from round tube to square ceiling assembly, supporting light transmitting surface at bottom termination of tube, with compression seal to minimize condensation and bug or dirt infiltration; 23.8 by 23.8 inches square frame to fit standard suspended ceiling grids. Transition Box: Opaque polymeric material, classified as CC2, 0.060 inch thick.
10. Lens: Type L1, Opti View Fresnel lens design to maximize light output and diffusion with extruded aluminum frame. Visible Light Transmission shall be 90 percent at 0.022 inches thick, Class CC2 material.

11. Seal: Open cell foam, acrylic adhesive backed, 0.75 inch wide by 0.125 inch thick.

2.3 DIMMING CONTROL

A. Local Dimmer Control: Provided with dimmer switch and cable.
   1. Daylight Dimmer: Type D, electro-mechanically actuated daylight valve; for universal input voltages ranging between 90 and 277 V at 50 or 60 Hz; maximum current draw of 50 ma per unit; controlled by low voltage, series Type T02: circuited, 4 conductor, size 22 cable; providing daylight output between 2 and 100 percent.
   2. Switch: Type SW, manufacturer-specific low voltage DC DP/DT switch (white) required to operate daylight dimmer. One switch required per set of synchronously controlled dimmers.
   3. Cable: Type CA, two conductor low voltage cable (500 ft.) for multiple unit DC connection.

2.4 ACCESSORIES

A. Fasteners: Same material as metals being fastened, non-magnetic steel, non-corrosive metal of type recommended by manufacturer, or injection molded nylon.
B. Sealant: Polyurethane based elastomeric sealant as recommended by manufacturer.
C. Security Bar: Type B, 0.375 inch thick stainless steel bar, across flashing diameter opening.
D. Suspension Wire: Steel, annealed, ASTM A641, Class 1 coating (galvanized), soft temper, No.12 gage size for suspension and bracing requirement.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Do not begin installation until substrates have been properly prepared.
B. Notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

A. Clean surfaces thoroughly prior to installation.
B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under project conditions.

3.3 INSTALLATION

A. Install in accordance with manufacturer's printed instructions and as indicated in ICC ES Report ESR-2253.
B. After installation of first unit, field test to determine adequacy of installation. Conduct water test in presence of Architect or Owner's Inspector. Correct if needed before proceeding with installation of subsequent units.

3.4 PROTECTION

A. Protect installed products until completion of project.
B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION
project requirements
site development
building envelope
building systems
interior construction
**project requirements: scope of bridging documents**

<table>
<thead>
<tr>
<th>REQUIREMENTS GROUPS</th>
<th>PROGRAMMING</th>
<th>SCHEDULE</th>
<th>DESIGN</th>
<th>CONSTRUCTION DOCUMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>STRUCTURE, FLOOR &amp; ROOF SYSTEMS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INTERIOR MATERIALS, CONNECTING DETAILS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INTERNAL, PLUMBING, VENTILATION &amp; AIR CONDITIONING</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DOORS &amp; WINDOWS (WITH SCHEDULES)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FLOOR &amp; CEILING PLUMBING, VENTILATION &amp; AIR CONDITIONING</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPECIALTY MANUFACTURED EQUIPMENT &amp; DETAIL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STAIRCASES</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ROOF SYSTEMS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUPPLY &amp; RETURN GRilles</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ROOF PLUMBING SYSTEMS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ROOF VENTILATION SYSTEMS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FIRE PROTECTION SYSTEM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELECTRICAL SYSTEM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LIGHTING FIXTURES (EMERGENCY, OUTSIDE LIGHTS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELEVATORS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ESSENTIAL SYSTEM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SECURITY ELECTRONICS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLUMBING SYSTEMS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HVAC PLUMBING SYSTEMS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**project requirements: program scope**

- **level 1**: Genomics
- **level 2**: Physical and Mental Health
- **level 3**: Allied Health
- **level 4**: Life Science
project requirements: image and identity
project requirements: image and identity

the story: welcoming community

mitochondrial DNA and human migration
the story: a story in the skin

the story: eve and her children
life cycle costs: 25-year forecast

**Conceptual Design:**
Main Description
1. Point 1
2. Point 2
3. Point 3
4. Point 4
2

project requirements
site development
building envelope
building systems
interior construction

site development: final build-out (reference only)
site development: basic scope

site development: stormwater detention (d-b team optional location)
site development: LEED open space credits (d-b team optional selection)

site development: access improvements (add alternates)
project requirements
site development
building envelope
building systems
interior construction

exterior concepts: materials and finishes

**Conceptual Design:**
Main Description
1. Point 1
2. Point 2
3. Point 3
4. Point 4
building systems scope: by trade

Clarifications:
Structural and MEP
1. Building Structural Systems
2. HVAC Systems
3. Electrical Systems
4. Plumbing Systems
5. Laboratory Casework
6. Audio/Visual Systems
7. Teaching Equipment
8. Other
building systems: meet established energy performance

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Owner</th>
<th>Design Brief</th>
<th>Required for Design Brief proposal</th>
<th>Required for Design Brief proposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>Energy Audit</td>
<td>Owner</td>
<td>Design Brief</td>
<td>Required for Design Brief proposal</td>
<td>Required for Design Brief proposal</td>
</tr>
<tr>
<td>1.2</td>
<td>On-Site Renewables</td>
<td>Owner</td>
<td>Design Brief</td>
<td>Required for Design Brief proposal</td>
<td>Required for Design Brief proposal</td>
</tr>
</tbody>
</table>

building systems: systems selection by d-b team
building systems: add alternates


1. Dual Plumbing System
2. Completion of Cold Shell Areas
3. Photovoltaic Systems
4. Solar Water Heating Panels
5. Recycled Water
interior concept: learning neighborhoods

interior constructions: material and finish substitutions
interior concepts: potential material and finish substitutions

reference: Design Build Project Manual, Section 204, “Product Substitutions”

1. Terrazzo Flooring- consider other durable flooring types
2. Wood Wall Panels- consider other decorative wall treatments
3. Wood Ceilings- consider other ceiling treatments
4. Solid Wood Laboratory Casework- wood veneer may substituted for solid wood as specified
5. Other

interior scope: 1st and 2nd floor reference plans
interior scope: add alternates – genomics program/computer room

1st Floor

interior scope: add alternate – tiered classroom

2nd Floor
interior scope: 3rd and 4th floor reference plans

interior scope: add alternate – large lecture hall

3rd Floor

large lecture hall
150 person
community: open circulation

community: site access
community: instructional areas

community: shade and shelter
Photovoltaic Design Summary

Panel design
- Assume 252 panels sized at 3'x5'.
- Assume each panel provides 240 Watts.
- Total installed system will be 252 panels x 240 Watts = 60,480 Watts or a 60.48kW system.

Power generation
- The Chevron report generated for Merritt College indicates the kWH production per installed kW to be 1,274 KWH per installed kW, therefore site generation would be 60.48 kW x 1,274 KWH = 77,052 KWH.
- Total building energy use (including electricity and gas) is 12,786 MBTU per year. The energy use intensity (EUI) of 1.18.
- Convert MBTU to KWH by multiplying by 293.2 KWH/MBTU. Therefore KWH = 12,786 MBTU x 293.2 KWH/MBTU = 3,747,576.6 KWH.
- Total PV generation capability is 77,052 KWH / 3,747,576.6 KWH = 2% of facility demand.

Structural analysis
- The current building structural configuration in the bridging documents can accommodate rooftop photovoltaics with an allowance of 4 psf panel and racking system.

Budget
- A realistic budget number for PV's, cabling, inverter, support system is $9 per watt. Note that no area within the building has been designated for the inverter and this would need to be defined.
- Based on 60,480 watts x $9 per watt = $544,320.
- This cost does not include general contractor mark-ups, which may not be required if PCCD installs under separate contract.