



State of Utah

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Department of Administrative Services

KIMBERLY K. HOOD  
Executive Director

Division of Facilities Construction and Management

DAVID G. BUXTON  
Director

## ADDENDUM NO. 3

Date: June 27, 2011  
To: Contractors  
From: Matt Boyer - Project Manager  
Reference: Photovoltaic Project – Main Building – DATC Campus  
Utah College of Applied Technology – Kaysville, Utah  
DFCM Project No. 10224220  
Subject: **Addendum No. 3**

Pages	Addendum Cover Sheet	1 page
	Architect's Addendum No. 3	4 pages
	<u>Revised Bid Form</u>	<u>2 pages</u>
	Total	7 pages

**Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.**

While we contend that SB220 should only be potentially applicable to a contract issued after the effective date of said bill, this is to clarify that for purposes of this contract, regardless of the execution or effective dates of this contract, the status of Utah Law and remedies available to the State of Utah and DFCM, as it relates to any matter referred to or affected by said SB220, shall be the Utah law in effect at the time of the issuance of this Addendum.

**3.1 SCHEDULE CHANGES:** There are no Project Schedule changes.

**3.2 GENERAL ITEMS:**

3.2.1 See Architect's Addendum No. 3 dated June 27, 2011.

3.2.2 See Revised Bid Form to include three additive alternates itemized in the above- listed Architect's Addendum

**511 West 200 South, Suite 130  
Salt Lake City, UT 84101  
Phone: 801.746.0234**

**June 27, 2011**

**FOR  
Davis Applied Technology College  
Main Building Photovoltaic Project  
DFCM Project #10224220**

The information included herein is issued by the Architect/Engineer as a clarification and addition to drawings, specifications, and contract documents relative to DFCM Project #10224220. It shall be the responsibility of the bidder to disseminate this information to all concerned parties prior to the assigned bid date and time.

(This Addendum #3 contains (4) total pages)

GENERAL

1. Contractor's proof of licensure, certification, and ARRA related experience as noted in the pre-qualification statement in the RFP must be submitted at the time bids are submitted.
2. Contractor is to provide additional photovoltaic panels to fill the entire length of the roof where the photovoltaic panels are shown (total of 162 Sanyo HIT Power 225 A, 36.45 KW). Provide additional inverters, cables, conduit, conductors, combiner/disconnect boxes, etc. for a complete installation.
3. All inverters to be located in one location. Locate all inverters, new solar array data switch, and new solar array panel on the CMU wall (grid E) between grids 7 and 8.
4. All cables from combiner/disconnect boxes can penetrate the exterior wall in one location.
5. Cables must be hidden behind panels so they cannot be seen.
6. Combiner/disconnect box can be used to reduce number of cables running to the inverters. Locations must be coordinated with Architect prior to installation.
7. All conduit inside the building must be installed as close as possible to ceiling deck. Run conduit parallel and perpendicular to the walls. All exposed conduit in the shop shall be painted to match the color of existing ceiling and walls.
8. Per the note on detail 6/A5.10, the contractor is to coordinate roof penetrations directly with the roofing contractor who holds the warranty. The roofing contractor is Mark Perkes of Perkes Roofing and he can be reached at 801.430.4483.

SHEET E0.02

1. Partial Power Single Line Diagram: change the new 50 amp., circuit breaker to a 100 amp., 3 pole circuit breaker. Utilize 4 #2 THHN, 1 #8 THHN ground in 1-1/4" conduit to tie the new 100 amp., panel to 100 amp., circuit breaker. Any power outage required

for installation of new 100 amp., 3 pole circuit breaker must be coordinated with the Owner at least 2 weeks in advance. This work must be done off hours or weekend as directed by the Owner. If 100 amp. circuit breaker physically cannot be installed in existing switchboard then contractor is to install a new 100 amp. Fuse disconnect on the side of the main switchboard and tie to main bus bars in switchboard. Provide 100 amp. Time delay, current limiting fuses.

2. Run the Cat. 6 cable from Cisco switch to router in communication room 2019 on the 2<sup>nd</sup> Level (approximately 200 feet). Run plenum cable and use j-hook every 5 feet to support the cable above the ceiling. Coordinate the routing a head of time with the Owner.
3. Change all Sanyo solar panels to HIT power 225 A. (16.22 watts per square feet and 20.2% cell conversion efficiency).
4. Solar array system single line diagram, change all Cat. 5e to Cat. 6 plenum rated cable.

### **APPROVED MANUFACTURERS**

The following additional manufacturers are approved to bid. Approval of the equipment from catalog information indicates that the brand name and general characteristics are acceptable to the Engineer. Any conflict arising from use of the substituted equipment shall be the responsibility of the Supplier who shall bear all costs required to make the equipment comply with the intent of plans and specifications.

1. Other photovoltaic panels manufacturer are approved to bid as long as they meet or exceed Sanyon panel HIT Power 225 A. performance such as 16.22 watts per square feet, module efficiency of 17.8, cell efficiency 20.2%, performance warranty, etc. Alternate photo voltaic panel manufacturer must be in business at least 10 years with at least 10 completed projects over 100 KW or more. Provide any substitute manufacturer to the DFCM project manager for review prior to bid.

### **ALTERNATE #1**

Under Alternate #1, the Contractor is to provide a cost for 10 year warranty for all inverter, combiner/disconnect boxes, including the complete installation (cables, communication cables, etc.). Warranty shall include parts and labor.

### **ALTERNATE #2**

Under Alternate #2, the Contractor is to provide a cost for 20 years warranty for photovoltaic panel modules, parts and labor. 20 year power output warranty shall be part of the base bid.

### **ALTERNATE #3**

Under Alternate #3, the Contractor is to provide a cost for the following:

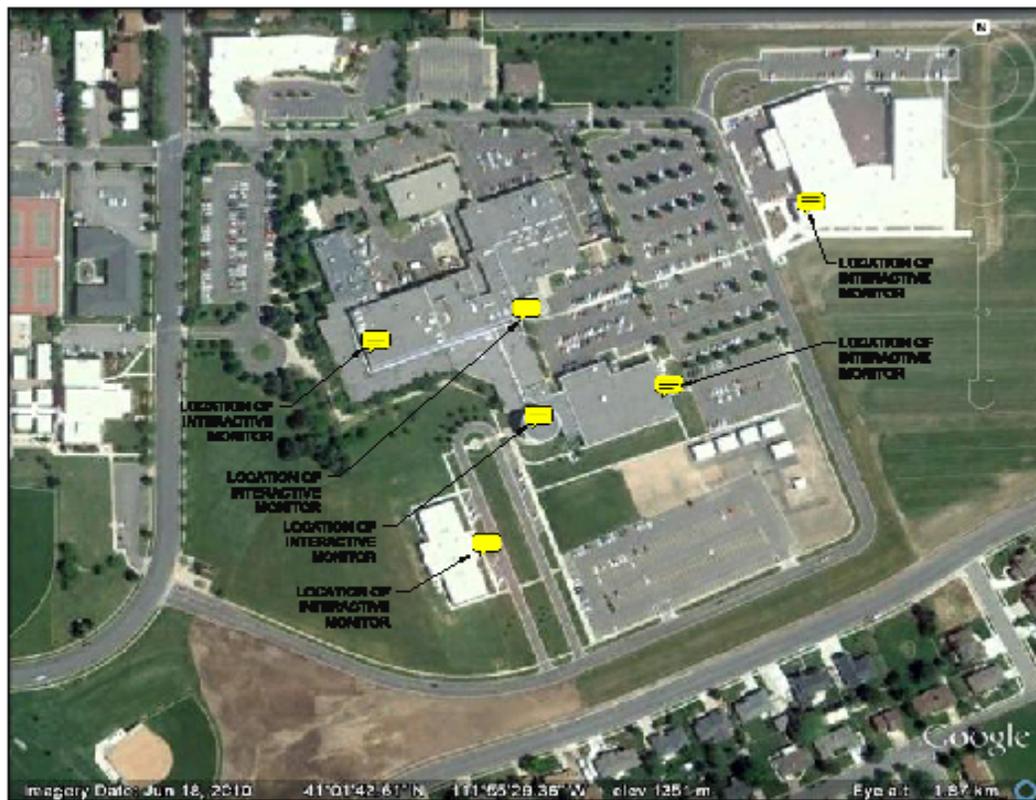
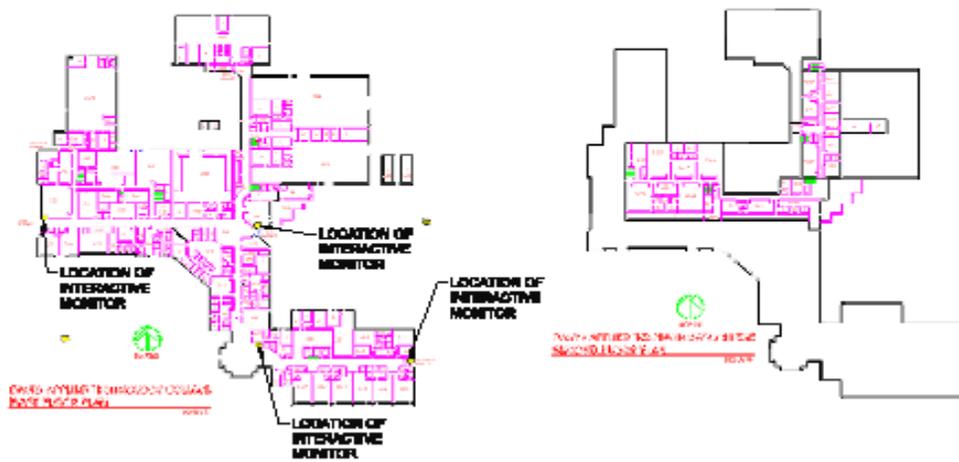
1. Furnish and install six (6) 42" interactive touch LCD screens (1180-1920 resolution with LED back lights and HDMV, VGA parts) in various parts of campus. Four in the building where photovoltaic panels are being installed and two in the adjacent buildings. Refer to attached drawings for approximate location of interactive touch screens.
2. Run a Cat. 6 from network router in communication room 2019 to each location of interactive touch screens (total of 4 in main building).
3. Install the computer for touch screens above the ceiling and provide 120 volt power from nearest 120 volt outlet or panel.

4. Run Cat. 6 from network router in the other two (2) buildings to the computer for touch screens. Install computer above the ceiling directly above touch screens.

The LCD screens are not considered to be a fixed part of the system and therefore do not need to be American made and meet ARRA funding requirements.

All the above work must be coordinated with DATC IT group. Contractor must install a complete system and provide training for DATC representatives. Provide a list of all material which will be used under this Alternate at time of bid. This should include the performance of the software and available information on the touch screen for Owner's review.

# DAVIS APPLIED TECHNOLOGY COLLEGE





STATE OF UTAH - DEPARTMENT OF ADMINISTRATIVE SERVICES

Division of Facilities Construction and Management

DFCM

BID FORM – REVISED
PER ADDENDUM NO. 3 DATED JUNE 27, 2011

NAME OF BIDDER \_\_\_\_\_ DATE \_\_\_\_\_

To the Division of Facilities Construction and Management
4110 State Office Building
Salt Lake City, Utah 84114

The undersigned, responsive to the "Notice to Contractors" and in accordance with the "Instructions to Bidders", in compliance with your invitation for bids for the DAVIS ATC - MAIN BUILDING PHOTOVOLTAIC PROJECT - UTAH COLLEGE OF APPLIED TECHNOLOGY – KAYSVILLE, UTAH - DFCM PROJECT NO. 10224220 and having examined the Contract Documents and the site of the proposed Work and being familiar with all of the conditions surrounding the construction of the proposed Project, including the availability of labor, hereby proposes to furnish all labor, materials and supplies as required for the Work in accordance with the Contract Documents including all ARRA Federal Requirements including additional ARRA reporting as specified and within the time set forth and at the price stated below. This price is to cover all expenses incurred in performing the Work required under the Contract Documents of which this bid is a part:

I/We acknowledge receipt of the following Addenda: \_\_\_\_\_

BASE BID: For all work shown on the Drawings and described in the Specifications and Contract Documents, I/we agree to perform for the sum of:

\_\_\_\_\_ DOLLARS (\$)
(In case of discrepancy, written amount shall govern)

ADDITIVE ALTERNATE NO. 1: To provide a 10-year warranty (both parts and labor) for all inverter, combiner/disconnect boxes, including the complete installation (cables, communication cables, etc). for the sum of:

\_\_\_\_\_ DOLLARS (\$)
(In case of discrepancy, written amount shall govern)

ADDITIVE ALTERNATE NO. 2: To provide a 20-year warranty (parts and labor) for photovoltaic panel modules for the sum of:

\_\_\_\_\_ DOLLARS (\$)
(In case of discrepancy, written amount shall govern)

BID FORM  
PAGE NO. 2

**ADDITIVE ALTERNATE NO. 3:** For all work shown on the Drawings and described in the Specifications and Contract Documents to furnish and install six interactive touch LCD screens and associated equipment/ accessories, I/we agree to perform for the sum of:

\_\_\_\_\_ DOLLARS (\$ \_\_\_\_\_)  
(In case of discrepancy, written amount shall govern)

I/We guarantee that the Work will be Substantially Complete by **September 29, 2011**, should I/we be the successful bidder, and agree to pay liquidated damages in the amount of **\$400.00** per day for each day after expiration of the Contract Time as stated in Article 3 of the Contractor's Agreement.

This bid shall be good for 45 days after bid opening.

Enclosed is a 5% bid bond, as required, in the sum of \_\_\_\_\_

The undersigned Contractor's License Number for Utah is \_\_\_\_\_

Upon receipt of notice of award of this bid, the undersigned agrees to execute the contract within ten (10) days, unless a shorter time is specified in the Contract Documents, and deliver acceptable Performance and Payment bonds in the prescribed form in the amount of 100% of the Contract Sum for faithful performance of the contract.

The Bid Bond attached, in the amount not less than five percent (5%) of the above bid sum, shall become the property of the Division of Facilities Construction and Management as liquidated damages for delay and additional expense caused thereby in the event that the contract is not executed and/or acceptable 100% Performance and Payment bonds are not delivered within the time set forth.

Type of Organization: \_\_\_\_\_ (Corporation, Partnership, Individual, etc.)

Any request and information related to Utah Preference Laws: \_\_\_\_\_

Respectfully submitted,

ADDRESS:

\_\_\_\_\_  
Name of Bidder

\_\_\_\_\_  
Authorized Signature