

San Bernardino International Airport Authority

June 28, 2010

**SAN BERNARDINO INTERNATIONAL AIRPORT
Solar Power System Project**

TO ALL PROSPECTIVE BIDDERS:

The following revisions and clarifications shall be incorporated into the contract documents for subject project.

ADDENDUM #2

1. Contractor is responsible for all project modifications resulting from substituted products as described in ADDENDUM 1, Item #3. Modules submitted for substitution, but not listed below, are not approved. The following requested solar module substitutions are approved:
 - a. Trina 240 watt (TSM-240DA05)
 - b. Phono Solar 240 watt (PS240M-20/U)
2. Requests were submitted for generic carport structure substitutions. Adequate substitution evaluation information was not provided to qualitatively evaluate the requests. Therefore, no carport structure substitutions are approved.
3. No other requested substitutions are approved.

REQUEST FOR INFORMATION (RFI)

- Q1. What is the start date, end date and duration of this project?

RESPONSE:

The project must be completed within the CSI program requirements. The anticipated Notice to Proceed date is July 29, 2010. The construction duration, including procurement, construction and start-up is 180 calendar days from Notice to Proceed.

- Q2. Where is the point of connection for the Data Acquisition?

RESPONSE:

See Q5 below. The Data Acquisition system is to connect to the SBIAA Management Office at 294 Leland Norton Way, Suite 1, San Bernardino, CA 92408 as per plans.

- Q3. I was reviewing the contract documents for the San Bernardino International Airport Terminal Solar power system and I did not see information in regards

to the bonding and warranty requirements. Can you please advise what section I can find the terms and conditions?

RESPONSE:

Bonding Requirements – The bid bond requirements are described in Section A12 of the Specifications, page BD-5. The form is provided on page BD-19. The bond requirements for the contract with the successful bidder are described in Section 2 of the form contract, page CD2. The form for the Performance Bond is on page CD-20 and the form for the Labor & Material Bond is on page CD-22.

The warranty requirements are described in Addendum 1 to the Specification that was emailed to all persons at the July 16, Walk-Thru. The last sentence in Item 5 describes the CSI Program warranty requirements for the airport project. Item 3 describes the specific requirements for substitutions of equipment. A copy of the Addendum is also available at www.sbdairport.com – click on RFP/Bids.

- Q4. Are the Addendums for the San Bernardino Airport Terminal Solar System posted online? Can you send me the link?

RESPONSE:

The Addendums and RFI's are available at www.sbdairport.com – click on RFP/Bids.

- Q5. Sheet E-2, Note #6,7,8,9 - Data Acquisition system, where are these devices to be located? Where is the 120V power source derived from? What panel? location? Since there is no battery system how is inverter to power the data acquisition system to communicate if the inverter is not producing power?

RESPONSE:

The Notes on Sheet E-2 state:

- #6. This item to be located in transceiver enclosure box, mounted in convenient place on the inverter, as shown on detail 4/E-3.1. Please refer also general detail 6 on E-7.*
- #7. Best location should be coordinated with owner and vendor to ensure best performance as is described in the notes. It has 24DC power supply that can be plugged to any receptacle.*
- #8. Location of the server is as described in the notes. Server has 24VDC power supply that can be plugged to any receptacle available at the connection point (it will likely be in a TELE/COMM room).*
- #9. Inverter has an available, optional 120VAC circuit for CTRL/SERVICE purposes.*

- Q6. Sheet E-2, Note #6,7,8,9 are underground conduits for communications and 120v power to be installed in street crossing?

RESPONSE:

The Leland Norton Way street crossing (NIC) will include a separate conduit for 120v power if desired for use. Contractor is responsible for installation of required conductors and connections to pull boxes located on both ends.

This power, as described in note #9 on Sheet E-2, usually comes from the inverter available 120VAC circuit (for example, SATCON has it).

- Q7. Sheet E-3.1 Note #5,7 - what panel does this 120V circuit originate from? Is this ckt, as well as the other data acquisition system 120V power ckts derived from the solar generation? if so where is the panel located. If it is from an existing normal power source, where is that panel located? where is the raceway located to tie into?

RESPONSE:

This was described in Q6 above..

In general, we do not specify exact location and PWR connection points for all data acquisition equipment. It always depends on field conditions and vendor/client request.

- Q8. Sharp Solar factory rep states solar panels required to provide approx 650 KW, (2688 modules) won't be available until early 2011.

RESPONSE:

See the response to Q1, above. Contractor is to schedule construction accordingly.

- Q9. The manufacturer of the specified panels has stated that the panels may not be available until January 2011. We have researched for a substitute of equal quality and we were not able to locate another product. Please specify an acceptable and available product that can be substituted in lieu of the Sharp panels that will meet the stipulated time frame for this project."

RESPONSE:

See the response to Q1 and Q8 above. Also review acceptable module substitutions in ADDENDUM #2, Item 1.

- Q10. Please Provide Demo Plan

RESPONSE:

No Demo Plan is available. See drawings for required demolition.

- Q11. Please provide Paint Specification

RESPONSE:

- A. *Manufacturers' Names:*
1. *Dunn Edwards*
 2. *Sherwin-Williams Co. (Sherwin-Williams).*
 3. *Or approved substitute*
- B. *Exterior Paint Products:*
1. *PRIMERS/SEALERS*
 - a. *Primer, Bonding, Water Based: MPI #17.*
 2. *METAL PRIMERS*
 - a. *Primer, Galvanized, Water Based: MPI #134.*
 - b. *Primer, Galvanized: As recommended in writing by topcoat manufacturer.*
 - c. *Primer, Quick Dry, for Aluminum: MPI #95.*
 3. *WATER-BASED PAINTS*
 - a. *Light Industrial Coating, Exterior, Water Based (Gloss Level 3): MPI #161.*
 - b. *Light Industrial Coating, Exterior, Water Based, Semi-Gloss (Gloss Level 5): MPI #163.*
 - c. *Light Industrial Coating, Exterior, Water Based, Gloss (Gloss Level 6): MPI #164.*
- Q12. Re Sheet S-2, Detail 2 and Section D:
- a. What is purpose of 8"x 8"x 5/8" plates?
 - b. Can Both 8"x 8" plates be omitted?
 - c. Can the 3 1/2" hole in the 8"x 8" plates be omitted?

RESPONSE:

No modifications of the steel structure will be considered at this time. Bids should reflect the RFP design documents.

- Q13. Regarding the Module hold-down system as detailed on Sheet S-3:
The TEK screw holding the solar washer (Detail 7, S-3) and the modules down to the sub-purlin requires installation from above, which requires

walking on the PV panels. CAL-OSHA will not allow this. Please provide alternate detail for attachment of clip to sub-purlin from underneath.

RESPONSE:

The modules can be attached from the top without requiring walking on the panels. There is no alternate clip detail.

- Q14. Regarding the solar clips and washers called out in the plans (Sheet S-3): Rather than going out and getting these pieces custom fabricated, are there any sources that have produced these exact pieces before? Can you provide their contact info?

RESPONSE:

These clips have been fabricated in the past in the sheet metal shop of Legacy Roofing.

- Q15. We are on the Plan Holders List – is there a reason we are not being informed of addendums?

RESPONSE:

The e-mail addresses provided by some Plan Holders and Pre-Proposal attendees failed to function. SBIAA has made an attempt to contact these companies to obtain a working e-mail address. It is the bidders responsibility to check the web site for addendums as identified in Q4. The website is www.sbdairport.com. Bidders must acknowledge receipt of all addendums with their bid submittal.

- Q16. Are the RFP bid forms, bond form, etc. available electronically? Please clarify if these documents are accessible on a website and provide the link and access. Otherwise, confirm that the hard copy must be disassembled and scanned.

RESPONSE:

It's all inclusive in the bid specifications; these forms will not be available electronically.

- Q17. Please confirm that SBIAA is providing the “Builders all risk” course of construction insurance and that it includes earthquake and flood protection.

RESPONSE:

Bidders to provide insurance as required in RFP documents.

- Q18. Is there any inspection of structural steel in the shop or on site?

RESPONSE:

Yes

- Q19. Because the entire parking lot is fenced, we are assuming there is no additional requirement for temporary fencing except for barricades at the existing electrical interconnection point, east of the array.

RESPONSE:

Temporary fencing needs to be provided as necessary to insure the public safety and security of the construction zones. If SBIAA requires use of the lot prior to the completion of construction, then a temporary fencing separation would be required.

- Q20. We are assuming that the entire 10' width of the sidewalk does not have to be replaced for sawcutting and replacement of sidewalk for array columns under arrays #4 and #8.

RESPONSE:

Sidewalk concrete must be excavated and replaced to the nearest existing score lines in the sidewalk. No partial slabs will be permitted.