

Addendum No. 1

August 23, 2012

To: All Interested Consultants

Subject: Request for Proposals (RFP) To Provide Professional Services as Consultant for the Zoo Aviary Roof and Skylight Replacement project – Addendum No. 1

Project Name: Milwaukee County Zoo Aviary Roof and Skylight Replacement

Project Location: Milwaukee County Zoological Gardens
10001 W. Bluemound Rd., Milwaukee, Wisconsin

Project No.: Z057-13430

Proposal Due Date: 2 PM, Thursday, September 04, 2014.

Design Scope Clarification:

1. There is no artificial lighting in either the East Flight area or the West Flight area.
 2. Drawings of existing electrical infrastructure will be available to the consultant during the design process.
 3. Energy performance modeling shall mostly only involve optimizing heat gain/loss through the skylights without coordinating the model with the building's hvac system. However, consideration should be given to maintaining adequate level of natural light during daytime hours and an adequate level of UV light for the plants. Modeling will be affected most by skylight size, material and shape. The desired size is generally shown in the RFP, the material is in principle already selected and will be disclosed upon the award of the consultant's contract. So the only input variables are be the shape of the skylight, the vents, and any sunscreens. The output variables will be heat gain/loss, the amount of ambient daylight and the amount of UV light admitted through the skylights, the resultant snow load and the cost. I believe the modeling is to balance the three output variables by manipulating the input variables.
 4. PV consideration shall strictly be restricted to the capacity of the roof structure to support the gravity and lateral loads generated by a hypothetical PV installation; and designing the support bases for mounting future PV arrays if the structure is proofed to be able to support the arrays. No consideration of electrical infrastructure for the hypothetical PV arrays shall be included in the design.
 5. The vents/louvers shall be first addressed as manually operated items. Design of electrically operated systems for these devices shall not be included in the base proposal. However, an alternated for this service may be included.
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End of Addendum No. 1