



INVITATION FOR BIDS

SEALED BIDS

for

**RIVERVIEW PARK ACTIVITIES CENTER
LIGHTING UPGRADE IN GYM 1,2,3 & 4**

for

**North Augusta Parks, Recreation & Leisure Services
100 Riverview Park Drive
North Augusta, SC 29841**

will be received by:

City of North Augusta
Parks, Recreation and Leisure Services
100 Riverview Park Drive
North Augusta, South Carolina 29841
Attn. Rick Meyer, Director
803-441-4300

until **11:00 AM on FRIDAY, MARCH 27, 2015** at which time all bids will be publicly opened and read in the presence of all those interested in Room 100 of the Riverview Park Activities Center located at 100 Riverview Park Drive, North Augusta, South Carolina, 29841.

The City of North Augusta reserves the right to waive any formalities and to reject any or all bids.

The City of North Augusta Parks, Recreation and Leisure Services will receive BID proposals for RIVERVIEW PARK ACTIVITIES CENTER LIGHTING UPGRADE according to the enclosed specifications.

All formal inquiries relating to this bid should be addressed in writing to:

Rick Meyer
Director Parks & Recreation
100 Riverview Park Drive
North Augusta, SC 29841

ADDENDA:

In the Event that modifications, clarifications, or additions to this bid become necessary, all vendors will be notified in writing by the Director Parks & Recreation.

SUBMISSION DATE AND LOCATION:

All bids must be submitted in writing to the office of the Director of Parks & Recreation, 100 Riverview Park Drive, North Augusta, SC, 29841, until **11:00 AM on Friday, MARCH 27, 2015**. All proposals must be in writing in an envelope sealed and clearly marked "RIVERVIEW PARK ACTIVITIES CENTER LIGHTING UPGRADE."

The City of North Augusta will not be responsible for late mail deliveries, and no bids will be accepted after **11:00 AM on Friday, MARCH 27, 2015**.

REJECTION OF BIDS:

The City of North Augusta reserves the right to reject or accept any or all bids, or to take exception to these specifications. Vendors may also be eliminated from consideration for failure to comply fully with the bid specifications.

REVIEW AND EVALUATION PROCESS:

The City of North Augusta will select the vendor on the basis of greatest benefits to the City, not necessarily on the basis of lowest price. The vendor's references, capabilities, commitment, and quality of proposal will be weighted heavily. Experience with athletic venue lighting is of high priority.

PRICE QUOTATIONS:

Price quoted by vendors should be firm prices, not subject to increases during the term of the contract.

PROPOSAL RESPONSES:

All proposals submitted shall include a letter of transmittal which bears the signature of an authorized representative of the vendor and which also includes the names of individuals authorized to negotiate with the City of North Augusta.

REFERENCES:

A list of at least five companies serviced with like requirements listing the scope of work and including references must be submitted by the vendor and made an integral part of this proposal.

INSURANCE AND BONDS:

Vendors shall be fully covered by Workers Compensation as required by the State of South Carolina and carry a Public Liability of \$1,000,000, and property damage insurance. The selected vendor will be required to provide the City of North Augusta a copy of this insurance naming the City of North Augusta on this policy as an "additional insured" for the duration of the contract.

**CITY OF NORTH AUGUSTA
Parks, Recreation and Leisure Services
RIVERVIEW PARK ACTIVITIES CENTER
LIGHTING UPGRADE
BID PROPOSAL**

Perspective Vendor:

The Bidder, having fully examined the specifications with related documents and being very familiar with all of the conditions surrounding the annual contract including the site conditions and the availability of labor and materials, hereby proposes and agrees that, if this proposal is accepted, he will contract with the City of North Augusta to furnish all equipment, materials, insurance and overhead necessary to supply equipment for this project in complete conformance to the project plans and specifications for the following lump sum/unit prices:

\$ _____

This bid respectfully submitted by:

Business Name

Business Address

City, State, and Zip Code

Phone Number

Signature of Bidder/Printed name of Bidder

SPECIFICATION FOR RIVERVIEW PARK ACTIVITIES CENTER LIGHTING UPGRADES

Scope of work:

1. Replace the current metal halide lighting, total of 88 fixtures, in all 4 gyms with LED lighting fixture with wireguard that will meet the NCAA specifications for regional practices of horizontal light levels of 80 footcandles. NCAA specs are included (Level D Broadcast Level).
2. Price to include the labor and material to complete the work. Price to include the removal and recycling of the current fixtures. Price also to include the capability to dim the lights in each gym to a lower level footcandles acceptable for recreational basketball play (+/- 40 footcandles).
3. Work must be completed by May 28, 2015. The proposal is to include a timeline of the project including anticipated days on site to stay sensitive to scheduled events in the North Augusta Activities Center.
4. Price to include 10 year warranty on lighting system.
5. Proposal to include energy analysis for 10 year period.

Qualifications & Specifications:

1. Have a license to conduct business in the State of South Carolina and have the ability to obtain a City of North Augusta Business license.
2. Vendor must be able to demonstrate to the City of North Augusta that you have the ability to provide all equipment, staff, and trained key personnel to fulfill your obligations. Written proposals must include an outline of your ability to meet the fiscal and physical responsibilities and requirements.

Material/Equipment: The vendor will assume full and all responsibility for the protection, storage, safety, and damage to all materials and equipment. The vendor must furnish all needed safety equipment and protective devices necessary for the safety of their employees and the property of the City of North Augusta.

Staffing: The vendor is responsible for providing all labor required to complete the work described in this solicitation. The vendor is responsible and must insure that they are in compliance with all Federal, State, and Local labor Laws and regulations applicable to their employees. The City of North Augusta takes no responsibility for the failure of the vendor to do so.

NCAA Basketball Championships Best Lighting Practices

Goals: 1. **Quality TV Broadcasts:** To establish best practices for lighting televised NCAA events, providing quality broadcasts within a reasonable budget. The light level expectations are applicable for both SD and HD broadcast.

2. **Value-based Lighting System:** To provide recommended best practices for lighting college level sporting events with considerations for quality lighting for player safety; reduced energy, maintenance and life-cycle costs; and environmental sensitivity.

Considerations: 1. Size of facility, 2. Level of TV broadcast, 3. Validation of light levels, and 4. Cost consciousness.

Broadcast Level	A	B	C	D	E
Horizontal Illumination	250	200	125	80	80
Horizontal Uniformity (Max/Min)	1.35:1	1.5:1	1.7:1	2.0:1	2.0:1
Main Center Camera Vertical Illumination	180	145	100	75	N/A
Max/Min Uniformity Ratio (Main Center Camera)	1.25:1	1.5:1	1.7:1	2.0:1	N/A
End Camera Vertical Illumination	125	100	60	45	N/A
Max/Min Uniformity Ratio (End Camera)	1.35:1*	2.5:1	N/A	N/A	N/A
Typical Seating	70k plus	15k - 20k	3k-10k	3k - 5k	N/A
Site Notes	Typically held in NFL Covered Facility	Site Typically held in NBA/NHL	Site Typically Held in College Facility	Site Typically Held in College Facility	Site Typically Held in College Facility

*Broadcast Level A - End Camera Max/Min Uniformity Ratio is for the half court nearest the camera.

- Field of play to background contrast ratio (for the first 30 rows) should be less than 2:1.

Competition	Broadcast Level	Competition	Broadcast Level
Men's Final Four	A	Women's Final Four	B
Men's Division I Regionals	B	Women's Division I Regionals	B
Men's Division I Second & Third Rounds	B	Women's Division I First & Second Rounds	C
Men's Division I First Round	B	Women's Division II Elite Eight	C
Men's Division II Elite Eight	C	Women's Division II Regionals	D
Men's Division II Regionals	D	Women's Division III Finals	C
Men's Division III Finals	C	Women's Division III Sectionals	E
Men's Division III Sectionals	E	Women's Division III First & Second Rounds	E
Men's Division III First & Second Rounds	E		

Notes:

1. All footcandle levels are target minimum averages
2. New lighting system designs are recommended to use 0.7 Recoverable Light Loss Factor or Constant Illumination
3. Lamp Characteristics
 - a. Minimum color temperature must be 3600 degrees Kelvin
 - b. Minimum Color Rendering Index (CRI) must be 65
4. Refer to the NCAA Broadcast Lighting Requirements for additional information
5. Refer to sport and broadcast specific documents for design examples and verification forms

Contact NCAA at 317/917-6222 or www.NCAA.com with questions.