



Rhode Island Convention Center Authority
Request for Proposals
Integrated Sound System

The Rhode Island Convention Center Authority (hereinafter referred to as "Authority") is seeking proposals from qualified bidders for an integrated sound system to be installed at the Dunkin' Donuts Center (hereinafter referred to as "DDC").

Potential bidders must participate in a mandatory pre-bid conference, where proposal specifications will be distributed and a walk through will be conducted at the DDC. The pre-bid conference will be held on Monday, March 18, 2013 at 2:00 p.m. at the Dunkin' Donuts Center; One LaSalle Square; 3rd Floor; Providence, RI. Proposals must be submitted by Thursday, April 4, 2013 by 2:00 p.m. EST to the Director of Operations, Dunkin' Donuts Center; One LaSalle Square; 3rd Floor; Providence, RI 02903.

Overview

The Authority is a public corporation created by the Rhode Island General Assembly to facilitate the construction and development of a convention center, parking garages, and related facilities such as the DDC. The Authority contracts a management group or groups to manage the daily operations of the facilities as stated.

Requirements:

1. Respondents will provide at least three (3) references from installations similar to that being proposed herein. References will include the following:
 - Client Description
 - Description of Installed Technology
 - Length of relationship
2. Respondent will provide names of all parties working on the project, including their experience.
3. Respondent will provide a copy of its Contractor License and OSHA Card
4. Respondent will provide a Certificate of Liability Insurance

PART I - INTRODUCTION/INFORMATION

1. PURPOSE:

The DDC is seeking proposals from qualified firms (hereinafter referred to as the "Contractor"), to design, install and commission a distributed sound reinforcement system in its facility located at One LaSalle Square; Providence, RI 02903, in accordance with the terms, conditions, and specifications contained in this Request for Proposals (RFP).

2. ELIGIBILITY:

To be eligible to respond to this RFP, the proposing Contractor must demonstrate that they, or the principals assigned to the project, have the capacity to provide a fully qualified staff with current valid RI Telecommunications Licenses and Certifications for design/programming of the key elements of the System.

Proposing Contractor must include with their proposal a satisfactory work history (no less than 3 references) of providing similar services for other accounts and similar operations; a proposal demonstrating their complete understanding of the critical nature of the services required and the detailed plans relating to system integration and installation; and a resume of key employees available to perform.

3. PERMIT FEES:

It is the responsibility of the Contractor to obtain all necessary Permits to conduct the work required in the installation of the sound system. The Cost of these Permits is the sole responsibility of the Contractor.

PART II - RFP SCHEDULE

Release RFP	03/08/13
Pre-Bid Conference/Walkthrough	03/18/13 @ 2:00 p.m. EST
PROPOSAL DUE	04/04/13 by 2:00 p.m. EST

PART III – INSTRUCTIONS TO CONTRACTORS

1. Contractor must propose to execute all phases of the proposal in a single bid. The proposal must be signed by an officer of your firm with the authority to commit the firm.
2. It is the intent of the DDC to purchase items that are operable within the system outlined in this RFP. Therefore, the Contractor is required to deliver a complete, working system. Should it be discovered that the Contractor failed to identify equipment required for fully operational systems, the Contractor shall supply those items at no charge to the DDC. This includes ALL cabling and hardware.
3. All prices shall be FOB Dunkin' Donuts Center; One LaSalle Square; Providence, RI 02903.
4. A physical inventory list of the installed equipment shall be provided to the DDC upon completion of installation. This list shall include, but not be limited to brand, model, serial numbers, etc.
5. Detailed schematic/technical drawings shall be provided to the DDC upon completion of the installation. These drawings shall include, but not be limited to brand, model, serial numbers, etc.
6. A summary of maintenance costs per year shall be included in the bid submittal as an **optional** item for possible award and shall not be included in the total solution costs, but listed separately.
7. The successful Contractor will be responsible for the rental and/or purchase of all machinery and tools required for installation.
8. The Contractor **MUST** have and demonstrate proficient use of speaker mapping software and acoustical testing capabilities.
9. The successful Contractor shall be responsible for determining all facility conditions that will affect the installation and/or performance of the system. (ie: electric/power sufficiency, event scheduling, etc.) Contractor shall identify issues and incorporate remediation if necessary for the installation.
10. The successful Contractor must maintain a local service department within a 25-mile radius of the DDC and stock sufficient replacement parts and equipment components to provide the specified warranty service. The Contractor must be able to provide prompt, on-site service 7 days per week, not to exceed a 24 hour response time
11. Delivery (including inside delivery to site) must be included in proposal.
12. Proposals received by the DDC after the submission deadline will be considered void and unacceptable.
13. The contract awarded as a result of this RFP will be a firm one-time contract.

PART IV – SCOPE OF PROJECT

The DDC is accepting proposals to provide a complete sound system for the DDC Arena located at One LaSalle Square; Providence, RI. The proposal requires the disassembly of existing equipment and installation of modern, state-of-the-art sound equipment, and shall include all components required to provide an easily managed system that provides adequate coverage throughout all areas of the arena floor, lower bowl, and upper bowl (hereinafter referred to as “Arena”). All items proposed must meet, at a minimum, the specifications hereinafter provided. **Contractor must have this project completed no later than August 31, 2013.**

System Requirements

1. Sight lines

The placement of speakers and audio system components must not interfere with sight lines of anyone either walking or sitting in the Arena. Further, all components of the system must not interfere with game-play or any event requirements.

2. Structural Integrity

The system and its components that will be mounted or affixed to any existing structure within the Arena must be done so without compromising the structural integrity of any said structure and must not jeopardize the safety and security of any person or persons.

3. Clarity & Volume

The system shall be of a quality and reputable brand and placed so that clean and clear audio, without distortion, is dispersed to every seat and position in the Arena. The system should be acceptable for speech, as well as music playback at volumes and SPL ratings above the average noise floor and threshold of a large crowd of 12,000-15,000 people.

4. Time Alignment

The system shall be time-aligned in such a way to reduce echo and increase intelligibility for all patrons.

5. Ease of use

The system needs to be as simple as possible in terms of operation. All controls for the system must be accessible from the existing control room, as well as remotely, via wireless Crestron control. All equipment that must live in a separate area or room must have a control relay located within the main system control room.

6. Training

Contractor shall provide a minimum of eight (8) hours of operator training upon completion of the installation. Further, Contractor shall supply a qualified system technician to attend up to six (6) events designated by the DDC in the first ninety (90) days following installation for the purpose of extended training/system troubleshooting.

PART IV – SCOPE OF PROJECT
System Requirements - Continued

7. Scope of Work

- A.** The installation will include the removal of existing speakers located in the ceiling of the Arena. The speakers will be replaced by speakers rigged in a way that provides maximum coverage in all areas of the Arena. System processors will be utilized to provide discrete control of each coverage zone, as well as provide system monitoring capabilities. All system processors must be powered via Uninterruptible Power Supplies and provide failover redundancy.
- B.** Wall panels will be installed to allow the system connections.
- C.** Ventilated equipment racks with security doors will be installed to house amplifiers and associated equipment for the sound system. It is the responsibility of the Contractor to get power to the amplifiers. Amplifiers must be able to be powered on/off remotely and sequentially via Crestron. The amplifier racks must have work lights installed in the back section to accommodate technicians working in low light conditions. The amplifiers must be networkable for remote monitoring and system diagnostics. The system must be able to report operating temperatures, voltage levels, load conditions, and speaker failure at a minimum.
- D.** Speakers shall be rigged to provide adequate coverage in accordance with all State/Federal safety codes. Contractor shall provide engineer-stamped drawings of rigging hardware proposed for the system.
- E.** A networked system controller/wireless Crestron touch-panel will allow DDC personnel to control the system from the arena floor and provide remote access. A touch-screen controller will be provided as well, with integral security features. The system must integrate with the currently installed Emergency Announcement System, as well as be compliant with ADA guidelines regarding Assisted Listening Devices.
- F.** Four (4) interior lockable wall-mount interface boxes will be provided for tie-line connections to the Control Room. These boxes will house six (6) Male and six (6) Female XLR connectors wired in parallel, and will be spaced around the Arena. One (1) exterior lockable weather-resistant wall-mount interface box with twelve (12) Male and twelve (12) Female XLR connectors wired in parallel will be installed at the loading dock.

PART IV – SCOPE OF PROJECT

System Requirements - Continued

- G.** A thirty-two (32) channel digital mixing console will be installed in the control room. The console must have a redundant power supply and extended metering capabilities. The console must also provide file system management for show setup/recall. Inputs/outputs of the console shall be routed through rack mounted patch bays to be installed in the control room. These patch bays must accommodate the tie-lines coming from the arena floor and loading dock in addition to all console IO. Further, six (6) channels of transformer isolation and six (6) channels of 30dB pad will be made available via patch bay connections. Contractor shall provide Audio Reference Monitors for the control room, as well as a rack-mount PC with external monitor and keyboard/mouse. This PC will be used to configure system DSP processors.

- H.** The system must demonstrate future expandability without significant hardware replacement. All cabling must meet minimum code requirements and be protected when running through hazardous areas.

- I.** The following equipment will also be provided by the Contractor:
 - Six (6) Dynamic Microphones
 - Two (2) Dynamic Microphones with On/Off Switch
 - Two (2) Passive Direct Boxes
 - Six (6) Boom Microphone Stands
 - Six (6) Table Top Microphone Stands
 - Six (6) Round Base Straight Microphone Stands
 - One (1) 6-Channel 100' XLR Snake – Box to Fan
 - Twenty-four (24) 25' XLR Microphone Cables
 - One (1) 12-Channel Active Press Patch
 - One (1) Active Antenna System for AKG Wireless
 - Four (4) Crowd Microphones

General Vendor Requirements

- A.** The vendor should submit a complete sound system with the components listed below at a minimum.

- B.** The manufacturer must have been in continuous manufacturing of sound systems for no less than ten (10) years. The vendor must have been a seller/supporter of the manufacturer for no less than three (3) years.

Specific Product Requirements

All items proposed must meet, at a minimum, the specifications hereinafter provided. The Contractor must reply to each requirement with their products technical specification value, where applicable.

COMPLETE SYSTEM TO INCLUDE:

Speakers to be configured to gain the best performance, covering the maximum space within the Arena.

Minimum Frequency Response of System:

40Hz – 17kHz (-3dB ref 1k)

30Hz – 20kHz (-10dB ref 1k)

SPL: Variances not to exceed +/- 3dB

Floor Area: 103dB

Lower Bowl: 103 dB

Upper Bowl: 103dB

Integral Rigging Points for Horizontal/Vertical Orientation

Amplifiers

Minimum Power Output

1400W at 4 Ohm

Frequency Response (ref 1k)

10Hz – 30kHz (+/-1dB)

Networking / System Supervision

Equipment Racks

Vented 44 Space Steel 19" Racks

Lockable Security Doors

Integral Work Light

Digital Mixing Console

Thirty-two (32) Channels

100mm Motorized Faders

Redundant Power Supply

Extended Metering

File Management System

Patch Bays

All connections are to appear at Patch Bays including:

Feeds from Arena Wall Boxes and Console IO

Six (6) Channels of Insertable Transformer Isolation

Six (6) Channels of Insertable 30dB Pad

Specific Product Requirements - Continued

Control Room Audio Reference Monitors

Frequency Response: 45Hz – 20kHz (+/- 1.5 dB)

Video Shielding

Input: XLR (3-Pin)

10k Ohm Balanced

RCA & 1/4" TRS

10k Ohm, Balanced/Unbalanced

Six (6) Dynamic Microphones

Frequency Response Tailored for Vocals

Polar Pattern: Cardioid

Frequency Response: 50Hz – 15kHz

Two (2) Dynamic Microphones with On/Off Switch

Frequency Response Tailored for Vocals

Polar Pattern: Cardioid

Frequency Response: 50Hz – 15kHz

Integral On/Off Switch

Two (2) Passive Direct Boxes

1/4" parallel Wired In/Out Jacks

Ground Lift Switch

30dB Pad Switch

High Cut Filter Switch

Six (6) Boom Microphone Stands

Height Adjustment: 34-60"

Heavy-Duty Steel Shaft

Aluminum Clutch

30" Boom

Heavy-Duty 3-Leg Assembly

Six (6) Table Top Microphone Stands

Height: 4"

Base Diameter: 6"

Six (6) Round Base Straight Microphone Stands

Height Adjustment: 34-60"

Base Diameter: 10"

One (1) 6-Channel 100' XLR Snake – Box to Fan

Minimum 24GA 7x32 Shielded Cable

Female XLR on Box – Female XLR on Fan

Twenty-four (24) 25' XLR Microphone Cables

Minimum 22GA Shielded Cable

XLR-M to XLR-F

Specific Product Requirements - Continued

One (1) 12-Channel Active Press Patch

Frequency Response: 15Hz – 20kHz +/-3dB

Phantom Power

LED Signal Metering

Isolation:

Microphone Outputs: 65 dB between vertically adjacent channel pairs, 107 dB between non-vertically adjacent pairs

Line Outputs: Greater than 77 dB

Power Requirements: Two (2) 9-V alkaline batteries or 24-V external DC 120VAC / 24VDC power adapter included

One (1) Active Antenna System for AKG Wireless

Antenna Gain: 6dB

Coverage Angle: 70⁰

Booster Gain: 17dB

Four (4) Crowd Microphones

Condenser Electret Gold Sputtered Diaphragm

Frequency Response: 40Hz – 20kHz

Polar Pattern: Cardioid

Phantom Power: 24V - 52V

Clipping Level: >135dB SPL

System Spares

The following items will be delivered as part of the contract:

Speaker Cabinets – One of each model installed

Amplifiers – One of each model installed

System Processor along with any modules

System Controller

Warranty

Contractor shall warrant that all items or service shall conform and perform to the proposed specifications and all warranties as stated, and be free from all defects in material and workmanship for a one (1) year period.

Optional

Contractor is encouraged to submit an estimate to provide extended warranty coverage for a period of five (5) years after initial warranty has expired on material and labor.

PART V – PROPOSAL EVALUATION

The DDC Evaluation Committee and the Director of Operations will evaluate all proposals to ensure all requirements are met to their satisfaction. The contract will be awarded on the basis of the proposal that receives the highest cumulative point total as defined in the evaluation criteria.

Evaluation Criteria

The proposals will be evaluated and awarded based on a comparative formula of relative weighting as detailed below:

CRITERIA POINTS

CONTRACTOR'S UNDERSTANDING OF THE SCOPE OF WORK	30
CONTRACTOR'S EXPERIENCE AND PERFORMANCE IN PROVIDING SERVICES OF SIMILAR NATURE AND SCOPE	20
CONTRACTOR'S RESPONSE TIME FOR REPAIRS	10
REFERENCES FROM THIRD PARTIES INDICATING THE CONTRACTOR'S PAST PERFORMANCE	10
CONTRACTOR'S PRICE PROPOSAL FOR PERFORMANCE OF WORK REQUESTED	30
TOTAL	100

RIGHTS RESERVED TO THE AUTHORITY

Whenever the Authority deems it to be in the Authority's best interest, the Authority reserves the right, in its sole discretion, to cancel this RFP, to reject any and all proposals, to waive minor irregularities or informalities in a proposal; to re-advertise; and to proceed in a manner other than awarding a contract under this RFP. The Authority will not waive the requirement that qualifications and proposals be received by the Authority prior to the deadline for submission.

The Authority reserves the right to cancel negotiations with any Contractor at any time prior to a contract being fully executed by the Contractor and the Authority.

The Authority reserves the right to interview any or all Contractors.

In addition to any other cause for rejection of a submittal stated in this RFP, a proposal may also be rejected if there is evidence of collusion among Contractors, if the Contractor submitting it is in default or arrears under any prior or existing contract with the Authority or any other State of Rhode Island department or agency, or there is an unresolved claim between the Contractor and the Authority or any other State of Rhode Island department or agency.

Any direct contacts made or attempted to be made by any Contractor with any Authority Board member prior to the selection of a qualified Contractor will automatically disqualify a Contractor from any further consideration.

Proposals are considered to be irrevocable for a period of not less than sixty (60) days following the opening date, and may not be withdrawn except with the express written approval of the Authority's Executive Director.

Contractors are advised that the Authority is a quasi-public agency of the State of Rhode Island and its records, including statements submitted in response to RFP's are public records unless otherwise exempted under state law.

**THE RHODE ISLAND CONVENTION CENTER AUTHORITY IS AN
EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER.**