



Rhode Island Convention Center Authority
Request for Proposals
Upgrade Video Security System

The Rhode Island Convention Center Authority (hereinafter referred to as "Authority") is seeking proposals from qualified bidders for an upgrade to its video security system software and related equipment to be installed at the Dunkin' Donuts Center (hereinafter referred to as "DDC") with the ability to monitor camera systems in the entire complex including the Rhode Island Convention Center (hereinafter referred to as "RICC") and outside via web access on portable devices.

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, June 3, 2013 at 2:00 p.m. at the Dunkin' Donuts Center; One LaSalle Square; 3rd Floor; Providence, RI. Proposals must be submitted by Monday, June 17, 2013 by 2:00 p.m. EST to Robert Lauro, 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.

PURPOSE

Currently the DDC has an integrated video security system that is monitored in the Security Command Post and designated offices by the contracted management's security and management personnel. The management firms are responsible for operation of the systems installed within their building.

GOAL

To upgrade the current camera video software and related recording equipment to an open platform system the software will be required to communicate with a variety of cameras and software including Analog and Digital IP based such as Vicon, Pelco, Vivotech, Sony, Arecont, Axis, Bosch, Canon, Honeywell, Panasonic, Samsung and other popular brands. Replace existing Vicon proprietary software encoders located in specific level closets. Replace existing NVR and CPU monitor viewing system to be moved from lower level closet to the security command center located on concourse level.

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 RI 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.

PERMIT FEES

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

RFP SCHEDULE

Release RFP	05/23/13
Pre-Bid Conference/Walkthrough	06/03/13 @ 2:00 p.m. EST
PROPOSAL DUE	06/17/13 by 2:00 p.m. EST

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 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.
9. 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
10. Delivery (including inside delivery to site) must be included in proposal.
11. Proposals received by the DDC after the submission deadline will be considered void and unacceptable.
12. The contract awarded as a result of this RFP will be a firm one-time contract.

SCOPE OF PROJECT

The DDC is accepting proposals to provide an upgrade to its video security system software and related equipment for the DDC Arena located at One LaSalle Square; Providence, RI. All items proposed must meet, at a minimum, the specifications hereinafter provided. **Contractor must have this project completed no later than August 31, 2013.**

REQUIREMENTS

It is the responsibility of the management firm under contract with the Authority to provide security for the building under their control. Keeping that in mind, respondents awarded the bid, must provide adequate training to all security and management personnel as necessary.

The proposed technology must be MS Windows Network based and provide for remote access via high speed internet connection. The remote connection should facilitate remote monitoring of surveillance cameras. Software licensing requirements must be clearly noted for remote network accessing.

The proposed digital recording system must provide sufficient capacity (at least 10 terabyte) with play back memory up to at least 30-60 days.

Cabling and electrical connections will be provided to the proposed equipment. The vendor's technicians will be responsible for connecting the units to the provided power and network cables. Respondents should include a detailed hourly fee schedule and a quote for a one year annual maintenance contract, and two one year extensions.

1. Respondents will provide at least three references from installations similar to that being proposed. References will include the following:
 - . Client Description
 - . Description of installed technology
 - . Length of relationship
2. Names and experience of staff to be assigned the project.
3. Copy of Contractor License and OSHA Card.
4. Certificate of Liability insurance
5. Successful respondent will provide names of all parties working on the project, including their experience.

Integrated Open Platform Video Security Software System

The surveillance system will be comprised of cameras inside and outside the DDC, a digital video recording system, and LED Monitors at the Security Command Center.

The Request for Bid requires the design, wire diagram and the specifications. The cost must include all hardware and software, programming, installation, testing and training on the system and one year warranty from the time of acceptance by the DDC.

Specific minimum requirements are:

The system shall have the ability to operate and be fully controlled from the DDC Security Command Center including a minimum of 8 satellite locations within the DDC and the RICC.

The Video Management System shall allow an authorized user to view video through a web client interface. The web client interface shall allow authorized users to view live video; views recorded video, control pan-tilt zoom (PTZ) cameras and activate triggers. The web client interface shall allow connections to multiple VMS servers simultaneously.

The CCTV system must be able to operate using standard TCP/IP Platform or web interface.

The NVR Recording device will be installed in the DDC Security Command Center.

The CCTV Application shall provide all operators with the right password, the ability to program cameras with various commands such as pan/tilt zoom and pre-positions, from each location.

The CCTV Matrix shall provide the operator with the ability to, with a single action; allow any camera to be placed on any monitor.

The Open platform software will be required to communicate with all related security systems and to allow future expansion.

Encoders will have redundant back up recording off all cameras. If a hard drive, power supply, CPU or Ram goes bad on one unit, the 2nd back up unit must continue to record all images and store a minimum of 14 days of redundant recording.

The NVR, Command Center Monitor PC and related equipment are required to be mounted in a secure rack cabinet system to be located in the DDC Security Command Center

System must be able to operate on wireless TCP/IP LAN/WAN LINK, and POE.

It shall be possible to provide automatic data base start up such that no operator action shall be required to start the system up after a power off condition.

Open platform software minimum requirements:

Establish recording and playback of the current inventory of 51 cameras with expansion capabilities of up to 128 cameras on the system.

Easy download of video, including alternate devices such as USB portable drives and DVD disks

Web –Servers

Video Quality

It shall support resolution from QCIF to D1 for various application needs.

It shall deliver images at 30 frame per second at all resolutions.

It shall use advanced compression technology of H264/MPEG-4 ASP or above to ensure the storage capacity and the bandwidth requirement is minimized.

It shall use advanced compression technology of H264/MPEG-4 ASP or above to capture excellent images of moving objects.

Its MPEG-4 streaming bit rate should be programmable and can be up to 3M for the need of excellent images.

It shall support automatic frame rate mode and variable frame rate mode to ensure the video quality of each user login with different bandwidth.

It shall embed the digital time code within the video streaming to ensure the video's validity.

Network Transmission/PC and NVR

It shall support Multicast streaming.

It shall support the addition of megapixel IP cameras for future expansion

It shall support QOS (Quality of Service) function of layer 2 and layer 3 to ensure the video streaming has the best transmission priority.

It shall support DDNS.

It shall support TCP, UDP, HTTP, POE, DDNS, DHCP, IGMP, H264, cat5/6 for network deployment.

Install new Network Video Recorder 16 Channel. 2U stand alone rack mount NVR open platform shall support a multi brand network for up to 128 Cameras, minimum of 4 TB HD memory per 16 cameras, 1 HDMI (video and Audio), 1 VGA output, H264/MPEG4, Motion Detection Recording PTZ movement, Tour, Alarm, Email, FTB, Buzzer & Screen Messages, Rack mounted, 2U, RAID5, W7P, 8 Comp Camera licenses included One New PC W/3.90GHz, W7P, 64bit, 8GB, minimum hard drive of 2 TB of memory to handle four monitors in the DDC Security Command Office and Rack mounted Recording for 30-60 days, in high resolution

Frame rate Standard 4 frames per camera, Minimum 480 fps per NVR

Frame rate Alarm 30 frames per camera, Minimum 480 fps per NVR

Compression standard MPEG-4

Back-up to DVD-RW and or USB storage device

Ethernet 10/100/1000

Support P/T/Z

Support Joy stick Pan/Tilt/Zoom control via I/O port

Related equipment required:

Four 16 channel video encoders, D1 @ 15FPS, MJPEG/MPEG4/H264 and POE, redundant back up

Two 4 channel video encoders, D1 @ 15FPS, MJPEG/MPEG4/H264 and POE, redundant back up

One Surveillance Keyboard W/Joystick

26" sliding rail rack mount

Cable, connectors, misc. hardware

Software:

Open platform Software System and Licensing including no charge for number of concurrent clients

Capability to execute the following action types:

- 1) Record Video
- 2) Output trigger
- 3) Output video
- 4) Send email
- 5) Burn CD/DVD
- 6) Call PTZ Preset

Support unlimited analog and IP Cameras

Must be able to automatic adjust from 1fps to 30 fps when motion detection is active

Must support motion detection speed up

Must support a local Pan/Tilt/ Zoom Controller from Local PC/ I/O serial port.

Must support PDA Client

Must support Hyper threading CPU processor.

Must support MPEG4 support

Evidence export: Must be able to export jpeg, AVI and Native format

Must auto export viewer

Must be watermarked/encryption

Must have PTZ Patrolling

Must be able to display up to 64 cameras at the same time

Must be able to view cameras from multi Servers

Must have interactive premise maps

Must include a finish working graphic layout of building

Matrix

The Matrix must allow the operator with a single click or action to call up any camera on any monitor

The Matrix must allow the operator to move PTZ cameras via mouse device

The administrator must be able to control what cameras each operator has access to by using passwords.

The matrix must allow the user an option to hardwire a P/T/Z controller to the client computer and use the P/T/Z controller to operator the selected camera

Auxiliary function

It shall support hardware motion/analytics detection to ensure the precision, the validity and the small response time of each event.

Physical connection

It shall support at least 2 Ethernet ports for connections to LAN and WAN individually to optimize the network efficiency.

It shall support at least 2 digital inputs and 2 digital outputs.

It shall have a digital output for video looping.

Battery Back-up for head-end 30 Min

Miscellaneous

Labor, Prevailing wages

Training: Minimum of 7 days in use and Programming

The RFP must include the design, wire diagram Spec, hardware, software, programming, labor and installation of the system.

3-year warranty on parts and labor and a 3-year Software Subscription Agreement.

Evaluation of RFRP

- Design and wire management
- Experience in the Field
- Quality of Proposal
- Customer Reference
- Flexibility of system to grow
- Ability to interface to existing Equipment
- Total RFP Project cost

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.**