

THE DISTRICT BOARD OF TRUSTEES OF
PENSACOLA JUNIOR COLLEGE, FLORIDA
1000 COLLEGE BOULEVARD
PENSACOLA, FL 32504-8998

September 21, 2005

BID NO. 5, 2005/2006

INVITATION TO BID (ITB) ON STUDIO LIGHT DIMMING SYSTEM FOR WSRE-TV
AND
PENSACOLA JUNIOR COLLEGE

The District Board of Trustees of Pensacola Junior College, Florida hereby extends an Invitation To Bid (ITB) on Studio Light Dimming System for WSRE-TV and Pensacola Junior College, as specified in this bid request.

All terms and conditions included hereafter are part of this bid request. Any bid failing to comply with all of these terms and conditions may not be accepted. Rights are reserved to reject any and all bids and to waive any and all technicalities.

Directions for submitting bids include the following:

1. **All bids must be mailed or delivered to the attention of the Director of Purchasing and Auxiliary Services, and be received in the Purchasing and Auxiliary Services Office, Pensacola Junior College, Building 7, Room 737, 1000 College Boulevard, Pensacola, Florida 32504-8998, or delivered to the bid opening site, not later than 11:00 A.M., local time, Tuesday, October 18, 2005 and shall be clearly marked "SEALED ITB NO. 5-2005/2006 – Studio Light Dimming System for WSRE-TV and Pensacola Junior College".** Due to the requirement of sealed bidding, facsimile bids will not be acceptable as valid bid responses. All bids shall be submitted on the bid form, herein included, and shall be properly signed by an authorized representative of the firm or entity submitting the bid, with delivery or completion date clearly indicated, in order to be considered. Attach all amplifying instructions and documents to this bid form. In the event that you are unable to submit a bid, written notification should be submitted to the Purchasing and Auxiliary Services Office in order for your firm's name to remain on the mailing list.

An evaluation committee meeting, in accordance with FS 286.011(1), is scheduled to be held on **Thursday, October 20, 2005, at 9:00 A.M.** in the Barfield Administration Building No. 7, Room 737, 1000 College Boulevard, Pensacola, Florida 32504-8998. Bid tabulations and award recommendations will be posted in the Purchasing Department, Pensacola Junior College. Posting normally occurs within 10 days of bid opening date.

2. A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in F.S. 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.
3. Any person(s) requiring reasonable accommodations, in accordance with the provisions of the American With Disabilities Act for attendance at the scheduled bid opening shall contact the Office of the Director of Purchasing and Auxiliary Services at least seventy-two (72) hours in advance of the scheduled bid opening deadline as indicated on Page 1, herein.
4. Price, quality, specifications and time of guaranteed delivery will be the determining factors in the award of the bid.
5. All prices shall be firm until order is placed, unless otherwise specified herein or indicated by bidder.
6. **All bid prices shall be FOB Pensacola Junior College, 1000 College Boulevard, Pensacola, FL 325-4-8998.**
7. Failure to file a protest within the time prescribed in F.S. 120.57(3), or failure to post the bond or other security as required by F.S. 287.042(2)(c) shall constitute a waiver of proceedings under Chapter 120, Florida Statutes. All protests must be delivered to the Director of Purchasing & Auxiliary Services, Pensacola Junior College, 1000 College Blvd., Pensacola, FL. 32504 within the time prescribed in Chapter 120, Florida Statutes to be considered valid.
8. Unless otherwise indicated herein, when manufacturer's names, trade names, and/or catalog numbers are listed in a specification, they are provided for information and are not intended to limit competition. The bidder may offer any brand for which he/she is an authorized representative which meets or exceeds the specification(s) for any item(s). If equivalent products are offered, the manufacturer's name and model number shall be clearly indicated on the bid form. Any item(s) offered as equivalent to that which is specified must be equivalent in quality of materials, workmanship, and effect and shall be corresponding in function and performance. Descriptive literature and/or complete specifications shall be included for any item(s) offered as approved equivalent(s). Bids lacking any written indication of intent to bid an alternate product or brand will be considered to be in complete compliance with the specifications of the bid form. Pensacola Junior College shall retain the right to determine the acceptability of any item(s) offered as equivalent to any item(s) specified.

9. In the event of an error in extending the total cost of any item, the unit price submitted will prevail.
10. **With the consent and agreement of the successful bidder(s)** purchases may be made under this ITB by other community colleges, state universities, district school boards and by other educational institutions within the state of Florida. Such purchases shall be governed by the same terms and conditions stated in the proposal solicitation as provided in State Board of Education Rule 6A14.0734(2) (c). If the period of time is not defined within the solicitation, the prices, terms and conditions shall be firm for 120 days from the date of award. Bidders shall note exceptions to the above paragraph, if any.
11. Bids may be awarded or rejected, item-by-item, in sub-group(s) or in whole, at the discretion of Pensacola Junior College.
12. Any award on the basis of this bid will be contingent upon approval by The District Board of Trustees of Pensacola Junior College, Florida, and the terms of the contract to be negotiated with the successful bidder.

We look forward to your participation in submitting a proposal for consideration. Any questions or concerns should be addressed to the Director, Purchasing and Auxiliary Services at (850) 484-1794.

Angie C. Jones
Director of Purchasing
and Auxiliary Services

Scope of Project:

The District Board of Trustees of Pensacola Junior College, Florida, on behalf of WSRE, is accepting proposals to provide equipment, commissioning, and training as described below for a studio light dimming system to be located in the Jean and Paul Amos Performance Studio for WSRE Television and Pensacola Junior College. Included in this system are dimmer racks to supply regulated power to existing studio distribution and control equipment to set output power levels for the dimmer racks and operate remotely controlled lighting equipment. The location of this project is on the Pensacola Campus of Pensacola Junior College, Pensacola, Escambia County, Florida. The system must at a minimum meet the specifications hereinafter provided.

I. General

Qualifications

1. Dimming System Experience. Successful bidder shall have been in the business of supplying and commissioning theatre and television dimming systems for no less than five consecutive years previous to the date of publication of this specification. Successful bidder shall have maintained on staff technician(s) fully authorized by the manufacturer(s) of the equipment proposed by the bidder to perform field service work and system commissioning work for the manufacturer(s) for a period of at least 3 years previous to the date of publication of this specification.
2. General specifications
 - All materials shall be new.
 - Line voltage electrical products shall be UL listed and shall comply with any additional requirements in the NEC.
 - DMX512 products shall comply with DMX512-A. Products complying with DMX512/1990 shall be acceptable if they have been modified to comply with DMX512-A.
 - Ethernet products shall comply with parts of IEEE 802, ISO11801, and EIA/TIA586 as applicable to the specific product.

Vendors

1. Acceptable dimmer rack manufacturers

Electronic Theatre Controls
Middleton, WI

Strand Lighting
Cypress, CA

2. Acceptable control manufacturers

Electronic Theatre Controls
Middleton, WI

Strand Lighting
Cypress, CA

3. **Alternate vendors. Vendors not listed above must submit documentation in writing detailing their compliance with appropriate parts of this specification or the equivalence of their product to those listed herein.**

II. Products and Services

Dimmer Racks

ETC Sensor+ Dimmer Rack or approved equivalent

- (2) Dimmer rack enclosures
- (1) 600 Amp Rack bussing kit
- (3) Dimmer rack processors (1 as spare)
- (92) Dual 20 Amp dimmer modules w/500uS filtration (1 as spare)
- (6) Dual 20 Amp Relay modules (to be used in lieu of dual 20A dimmers)
- (6) 50 Amp dimmer modules w/500uS filtration (1 as spare)

The fully digital dimmer racks shall be UL Listed and CSA Approved, and shall be so labeled when delivered to job site.

Sensor+ racks shall operate at up to 120/208V, three phase, four wire with ground, 47 to 63 Hz at 800 amps max. Provisions shall be made for optional amp trap devices for fault current protection. Standard AIC fault current protection shall be 100,000. All load and neutral terminals shall accept up to a #2 AWG wire.

Dimmer racks shall be freestanding. All rack components shall be properly treated, primed and finished. Exterior surfaces shall be finished in fine texture, scratch resistant, paint. Removable panels shall facilitate conduit termination on the racks.

Racks shall be designed for front access to allow back-to-back or side-by-side installation.

Racks shall be designed to allow easy insertion and removal of all modules without the use of tools. Supports shall be provided for precise alignment of dimmer modules into power and signal connector blocks. With modules removed, racks shall provide clear front access to all load, neutral and control terminations. Racks that require removable panels to access load, neutral or control terminations shall not be acceptable.

An optional bus bar kit shall be available from the factory to allow adjacent racks to be powered by a single line feed. No hard, rack-to-rack wiring shall be required. Racks that require discrete cabling to connect adjacent racks shall not be acceptable.

Module spaces shall be mechanically keyed to accept only the module type (20A, 50A or 100A) specified for that space. Racks that allow modules of varying wattages to plug into the same space shall not be acceptable. The rack shall be configurable to accept mixed dimmer types and sizes throughout the rack.

Each rack shall provide a lockable full-height door containing an integral electrostatic air filter that shall be removable for easy cleaning. Low-noise fan(s) shall be located in each rack. The fan shall draw all intake air through the integral electrostatic air filter, over the surfaces of the module housing and out of the rack. The fan shall maintain the temperature of all components at proper operating levels with dimmers under full load, provided the ambient temperature of the dimmer room does not exceed 40°C/104°F. Dimmer racks that do not employ both locking doors and electrostatic air filters shall not be acceptable. The fan shall turn on whenever any dimmer in the system is activated. In the event of an over-temperature condition, only the affected dimmer module(s) shall shut down and a message shall appear on the control module LCD. The fan shall remain on during thermal shutdown of individual dimmer modules.

If the ambient room temperature drops below 0°C/32°F or rises above 40°C/104°F, a warning shall appear on the dimmer rack LCD. If the temperature rises above 46°C/115°F, the rack shall shut down until the condition is corrected.

The dimmer rack electronics shall be contained in one plug-in Control Electronics Module. Each control module shall plug into a dimming cabinet, with no discrete wire connections. A simple user interface shall be provided for group configuration, testing and diagnostics. The control module shall be UL/UL Listed and CE Marked.

The control module shall be completely digital without employing any digital-to-analog demultiplexing schemes or analog ramping circuits.

The control module shall be provided with an Ethernet control signal input. This input shall be fully configurable with a range of patching and priority programming capabilities. The Ethernet signal shall supply seamless integration between the dimmer racks and both the entertainment and architectural lighting control systems. The Ethernet signal shall also enable remote configuration, playback, file storage and monitoring features on a personal computer on the network.

Two optically isolated DMX512 inputs shall also be provided, allowing overlapping or separation of any control level. 2,500V of optical isolation shall be provided between the DMX512 inputs and the electronics. Systems that do not have optical isolation on a prewired factory plug-in device shall not be acceptable.

A single DMX512 input may be configured as a DMX output. The DMX out shall be capable of outputting DMX from data obtained from the Ethernet.

Dimmer output levels shall be regulated for incoming line voltages. The regulation shall adjust for both RMS voltage changes and deformations in the incoming AC waveform. The control module shall monitor and adjust each dimmer's output to maintain a constant power to the load. Regulation shall maintain the desired output voltage $\pm 1V$ for the entire operating range (90-240V AC) with the exception that the maximum output will be no greater than the line voltage minus dimmer insulation loss. The regulation shall compensate for dips and anomalies in the AC waveform on a dimmer-by-dimmer basis. There shall be no interaction between dimmers in the system or any other equipment. The output shall be nominally regulated to 120V, but shall be field adjustable on a dimmer-by-dimmer basis to allow for varying cable length.

The control module shall contain diagnostic routines to allow the user to test and troubleshoot the system. The control module shall also contain a Test/Bypass switch to turn all dimmers on to full for testing. This switch shall bypass all electronics and shall force the fan on.

Control Equipment

For purposes of this specification the following products are considered acceptable:

1. Strand 520i Control Console
2. ETC Insight 3 Control Console

Bidder shall submit pricing for both products as listed above. Other control equipment may be submitted as alternates. If alternates are submitted, complete documentation must be submitted with the bid or the alternates will not be considered. **Only one control console will be purchased in this bid.**

Network equipment

DMX512 distribution amplifiers

Doug Fleenor Design 1211-5 DMX-512 Splitter/Distribution Amplifier or approved equivalent.

Commissioning

Successful bidder shall provide a trained technician to provide installation assistance either on site or by phone and/or email and to be on site to initially turn on and commission the system.

Training

Successful bidder shall provide a minimum four hours of on-site initial training once the entire system is operational, a follow-up four hours on-site training after 2 months, and a final four hours on-site training after 6 months (total 12 hours on site).

Manuals

Successful bidder shall provide 3 complete sets of manuals, including owners and operators' manuals and warranty statements. Manuals must include schematics, parts lists, maintenance guides, contact numbers, etc.

III. Installation Service

Installation is not part of this bid.

IV. Evaluation Criteria

Award of this bid will be based on the following criteria:

Price	20 points
Compliance to Specifications	20 points
Deliverability	20 points
References	10 points
Availability of support services	10 points

PRICING SECTION

ITEM	QTY./UNIT	DESCRIPTION/SPECIFICATIONS	TOTAL PRICE
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1.	1 Lot	ETC Sensor+ Dimmer rack system to include: 2 each Dimmer racks 1 each 600 Amp Rack bussing kit 3 each Dimmer rack processors (1 as spare) 92 each Dual 20 Amp dimmer modules w/500uS filtration (1 as spare) 6 each Dual 20 Amp Relay modules (to be used in lieu of dual 20A dimmers) 6 each 50 Amp dimmer modules w/500uS filtration (1 as spare) All required interconnect cables, panels, covers and all hardware required to assemble system into one unit as required, or approved equivalent	_____
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_____ Dimmer Racks - Brand and Part Number Offered

_____ 600 Amp Bussing Kit - Brand and Part Number Offered

_____ Dimmer Rack Processors - Brand and Part Number Offered

_____ Dual 20 Amp Dimmer Modules - Brand and Part Number Offered

ITEM	QTY./UNIT	DESCRIPTION/SPECIFICATIONS	TOTAL COST
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1. Continued.

Dual 20 Amp Relay Modules - Brand and Part Number Offered

50 Amp Dimmer Modules - Brand and Part Number Offered

Other required equipment (if needed) – Brand and Part Number Offered

Other required equipment (if needed) – Brand and Part Number Offered

Other required equipment (if needed) – Brand and Part Number Offered

Other required equipment (if needed) – Brand and Part Number Offered

2. 1 Each Control Console

A. Strand 520i Control Console _____

OR

B ETC Insight 3 Control Console _____

OR

C _____ Control Console _____

Note: Items 2a, or 2b, or 2c (alternate), ONLY ONE CONTROL CONSOLE WILL BE PURCHASED.

3. 1 Each Distribution Amplifier, Doug Fleenor Design _____
1211-5 DMX512 or approved equivalent.

Brand and Part Number Offered

CERTIFICATION OF DRUG-FREE WORKPLACE PROGRAM

IDENTICAL TIE BIDS - Whenever two or more bids which are equal with respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program, or if all of the tied vendors have drug-free workplace programs. In order to have a drug-free workplace program a business shall:

- (1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
- (2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
- (3) Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
- (4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
- (5) Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
- (6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

AS THE PERSON AUTHORIZED TO SIGN THE STATEMENT, I CERTIFY THAT THIS FIRM COMPLIES FULLY WITH THE ABOVE REQUIREMENTS.

SIGNATURE OF VENDOR
REPRESENTATIVE: _____

TYPED OR PRINTED NAME
OF VENDOR REPRESENTATIVE : _____

BIDDING FIRM OR ENTITY NAME: _____

BID SUBMITTED BY:

FEDERAL TAX I.D. NUMBER

FIRM OR ENTITY NAME

ADDRESS

CITY, STATE & ZIP CODE

TELEPHONE NUMBER /FAX NUMBER

TYPED OR PRINTED NAME
OF REPRESENTATIVE: _____

SIGNATURE OF REPRESENTATIVE: _____

DATE: _____