

PART E

SPECIFICATIONS

PART E - SPECIFICATIONS

GENERAL

E1. GENERAL

E1.1 These Specifications shall apply to the Work.

E2. GOODS

E2.1 The Contractor shall supply Digital Audio Processing System or equivalent in accordance with the requirements hereinafter specified.

E2.2 The Digital audio processing system :

- (a) Must interface with existing Committee Room Systems.
- (b) Must have the capability to interface with a camera system should the City acquire one.
- (c) shall have a minimum 32 x 32 input / output configuration and be mic or line capable with phantom power.
- (d) Must allow the breakout devices to operate over a 50 foot distance from the main processor.
- (e) Must be Mix Minus capable for existing Council Chamber.

E2.3 Item No. 1 – shall be a Peavey MediaMatrix Miniframe or equivalent with the following salient features:

- (a) Integrated system controller
- (b) Genuine Intel CPU
- (c) SD RAM memory
- (d) MWare 3.x System Design Software
- (e) Integrated VGA video
- (f) ATAPI CD-ROM
- (g) 10/100 network interface port
- (h) Universal Voltage power supplies
- (i) Windows® 2000 Professional OS or newer
- (j) RS-232 COM port
- (k) Dual USB ports
- (l) Analog and CobraNet audio I/O options

E2.4 Item No. 2 –shall be a Peavy Media matrix 8x8BOB or equivalent with the following salient features:

- (a) Eight analog inputs
- (b) Eight line level analog outputs
- (c) 24-bit quantization 64X over-sampling
- (d) 32 kHz, 44.1 kHz, or 48 kHz software selectable
- (e) Eight 0-10 V control voltage inputs
- (f) Eight 5V TTL output

- (g) Fault annunciation via front panel LED and rear contact closure
- (h) Software selectable input sensitivity/output drive
- (i) CAT 5 or standard BoB cable connection
- (j) Single-rack space unit.

E2.5 Item No. 3 - Amplifier shall be a Pevey Octopower 850 Multi-Channel Power Amplifier or equivalent with the following salient features:

- (a) Nine discreet audio power amplifiers
- (b) Balanced line level inputs
- (c) 50 Watts RMS at 4 Ohms per channel (x9)
- (d) Bridgeable
- (e) Forced air cooling
- (f) Visual front panel power status LED
- (g) Front panel fault monitoring
- (h) Universal power supply

E2.6 Item No. 4 – Hardware and mounts shall include everything required to make the equipment items 1 through 3 function according to factory specifications;

E2.7 Item No. 5 – Installation shall include everything required to make the equipment items 1 through 4 function according to factory specifications.

E2.8 Item No. 6 –Programming shall include all the necessary programming required to make the system outlined in items 1 through 4 function according to factory specifications.

E3. DELIVERY COORDINATION

E3.1 All delivery of goods shall be coordinated with the Contract Administrator.

E4. INSTALLATION

E4.1 Installation of the equipment shall be made by factory trained technicians.

E4.2 Installation shall be completed prior to January 15, 2005.

E4.3 Installation shall be coordinate with the Contract Administrator.

E5. PROGRAMMING

E5.1 Programming of the computer equipment shall be made by factory trained technicians.

E5.2 Programming shall be completed prior to January 17, 2005.

E5.3 Programming personnel shall coordinate with the Contract Administrator.

E6. SERVICE

E6.1 The Contractor shall provide emergency service on a 24 hour 7 day a week basis with response time no longer than two (2) hour if required.