



County of El Paso Purchasing Department
500 East San Antonio, Room 500
El Paso, Texas 79901
(915) 546-2048 / Fax: (915) 546-8180

ADDENDUM 1

To: All Interested Proposers

From: Claudia Sepulveda, Bid Clerk/Buyer

Date: December 21, 2006

Subject: Bid# 06-115, Radio Interoperability System for the Sheriff's Office

The opening date has been extended to Tuesday, January 9, 2006 at 2:00 p.m. The deadline for questions has been extended to Wednesday, December 27, 2006

Vendors are instructed to make the following corrections to the specifications:

The following pages include additional items requested along with a corrected Bidding Schedule. Vendors are to replace the form in the specifications with the Bidding Form included in this addendum.

BIDDING SCHEDULE

To: El Paso County, Texas

I or we agree to furnish the following described equipment, supplies, or services for the prices shown in accordance with specifications listed below or attached. By execution of this bid, I hereby represent and warrant to El Paso County that I have read and understood the Bid Documents and the Contract Documents and this bid is made in accordance with the Bid Documents.

Please quote prices and discounts on the following items:

F. O. B. El Paso County

Description – Bid # 06-115 Radio Interoperability System for the Sheriff's Office Vendor must meet or exceed specifications		
DESCRIPTION	UNIT COST	EXTENDED COST
Radio Interoperability System		\$
(62 each) Motorola Advisor II Pager	\$	\$
(5 each) Kenwood TK-481 Radios	\$	\$
(6 each) CDM-1550 Mobile Radios	\$	\$
(6 each) Roof Mount Antenna HAD4014	\$	\$
(6 each) 7.5 Watt External Speaker	\$	\$
(10 each) Motorola PM-1500 Mobile Radio	\$	\$
(10 each) Roof Mount Antenna RAD4010ARB	\$	\$
(2 each) Roof Mount Antenna HAF4017	\$	\$
(1 each) ACU-1000 Radio Interoperability System	\$	\$
(6 each) Radio Interface Cable	\$	\$
(6 each) ACU-T Interface Module Radio	\$	\$
Please do not include tax, as the County is tax-exempt. We will sign tax exemption certificates covering these items. Please submit one (1) original copy and two (2) copies of your bid.		

Company

Address

Federal Tax Identification No.

City, State, Zip Code

CIQ Document Number

CIQ Sent Date

Representative Name & Title

Telephone & Fax Number

Signature

Date

*****THIS MUST BE THE FIRST PAGE ON ALL BIDS*****

Specifications for Motorola Advisor II Pagers:

1. Operate on UHF Frequency band as directed by buyer
2. Power requirements: alkaline "AA" battery
3. Includes pager holster
4. One year manufacturer warranty
5. Four line 80 character display
6. 52 message slots minimum
7. 30,000 character capacity minimum
8. 19 personal messages minimum
9. Message date and time stamping
10. Message alarm
11. Reminder alert
12. Duplicate message detection
13. Optimax display
14. Unread message indication
15. Eight user selectable alerts minimum
16. Battery gauge
17. Individual message delete / delete all capable
18. POCSAG technology
19. Must be capable of interfacing with buyers existing 911 system

Specifications for Kenwood TK-481 Radios:

1. Kenwood TK-481 radios are requested to match the existing equipment and provide for the use of existing chargers and batteries.
2. Frequency range: Rx: 935 - 941 MHz; Tx: 896-902 MHz, 935-941 MHz
3. System - Max. 32
4. Group - Max. 250 per system
5. Channel capacity: 600 max.
6. PLL channel spacing: 12.5 kHz
7. Battery voltage: 7.5 VDC

Specifications for Motorola CDM-1550 Mobile Radios:

1. Motorola CDM-1550 mobile radios are requested to maintain continuity with the existing fleet radios being used by the affected police departments.
2. Motorola CDM-1550LS+
3. VHF 160 channel
4. 45 watt mobile transmitter/receiver radio
5. Includes: std. microphone, low profile mounting bracket, power cable, and operating instructions
6. Two (2) year manufacturers warranty
7. HSN8145 7.5 watt external speaker
8. HAD4014 VHF 3DB gain roof mount antenna, 140-174 MHz

**Specifications for the Motorola PM-1500 mobile radios (10) to include
ten RAD4010ARB VHF 3DB gain roof mount antennas and
Two (2) HAF4017 764-870 MHz 3DB gain roof mount antennas.**

1. Adjustable Power Levels
2. Busy Channel Lockout
3. Call Tones - Quik Call II™
4. Channels - 255
5. Coverage - Programming Software allows adjustable power output for varying coverage
6. Dimensions H x W x L - Control Head: 2.56" x 7.22" x 3.38"; Transceiver 2.765" x 8.08" x 12.31"
7. Display - 8 Character Alphanumeric
8. Emergency Button - Yes
9. Frequency - VHF (136–174MHz), UHF (380–470MHz)
10. Front Panel Programmable - No
11. Interference Eliminator Codes -
12. Intrinsically Safe - No
13. Keypad - No
14. Mil Spec - 810 C, D, E, F
15. Model Includes - Standard compact microphone, 7.5 Watt external speaker, 20 foot power cable, 17 foot remote mount cable, ignition sense cable, & user guide CD
16. Option Board Available - No
17. Option Buttons (Customizable) - Yes
18. Power - 25–110W
19. Programmable Buttons - 4
20. Protocol - Conventional
21. Remote Mountable Control Head - Yes
22. Scan -
23. Signal Strength Indicator -
24. Signaling - Quik Call II™, DTMF, MDC-1200
25. Switchable Channel Spacing - 12.5/25 kHz -

- 26. Technology - Analog
- 27. Time Out Timer -
- 28. Warranty - Two Year Warranty
- 29. Weight - 14.9 lbs.
- 30. 8 Character Alphanumeric - Information is clear and easy to read
- 31. Multi-Language Capabilities -
- 32. RSSI Indicator -
- 33. Caller ID -
- 34. Quik Call II™ and MDC 1200 Signaling (Encode/Decode) -
- 35. X-Pand Audio Enhancement -
- 36. Multicolored LED Indicators -
- 37. 4 Customizable Function Buttons (P1, P2, P3, P4) - Program for instant access to favorite features and label according to function

The Mobile Two Way Radio must Include

- ? Standard compact microphone
- ? 7.5 Watt external speaker
- ? 20 Ft. Power Cable
- ? 17 Ft. Remote Mount Cable
- ? Ignition Sense Cable
- ? User Guide CD
- ? Two Years Standard Warranty

Specifications for ACU-1000 Radio Interoperability System

1. AC power input: 115 to 230 VAC +/- 15%, 47-63 Hz, 100 VA maximum
2. DC power input: +11 to +15 VDC @ 4A nominal
3. Battery Charger: 1A output maximum, tapered charge circuitry for a lead acid battery.
4. 5.25" X 19" X 11" HWD maximum
5. Operating temperature: -20 to +60 degrees centigrade
6. Storage temperature: -40 to +85 degrees centigrade
7. Humidity: up to 95% at 55 degrees centigrade
8. Shock: MIL-STD-810D, method 516.3, procedure VI minimum
9. Vibration: MIL-STD-810D, method 514.3, category I minimum
10. Card cage with space for 12 interface modules minimum. Also houses additional modules for system power and control.
11. Front panel: Handset jack, headphone jack, speaker, earphone driver, PTT input.
12. Voice prompts: English language standard, others available, 80 messages typical, 250 minimum.
13. Keypad: Provide manual programming and system control.
14. Handset interface: RJ-12 connector, microphone input, earphone driver, PTT input
15. Serial interface: Async full duplex RS-232, baud rates 300bps to 115.2 kbps
16. Network interface: RJ-45 connector, 10/100 base-T ethernet, three audio vocoder types.
17. Processing power: TI 5409A DSP, RISC processor, 32-bit coldfire 5272 CPU
18. Config programming: ethernet (built-in web page), telnet, RS-232
19. Algorithms: VOX or VMR voice detection, TD-mode noise reduction, DTMF, audio equalizer, Tx and/or Rx audio delay, peak limiter, COR sampling, Tx key tones.
20. Phone line: RJ-11 connectors (2), -24 dBm to 0 dBm levels
21. Processing power: TI 320xx DSP
22. Algorithms: DTMF detection and generation, DSP adaptive hybrid, DSP VOX
23. Phone set interface: RJ-11 connectors, -20 mA loop current, on/off hook detection, ring generator.
24. Call progress tones: dial, busy, and ringback tones.
25. Algorithms: DTMF detection, adjustable level VOX, audio delay.