

STATE OF ALASKA ITB NUMBER 2002-0200-3062
AMENDMENT NUMBER 5



Department of Administration
Information Technology Group
5900 E Tudor Road
Anchorage, AK 99507-1245

THIS IS NOT AN ORDER

DATE AMENDMENT ISSUED: March 6, 2002

ITB TITLE: Provision and Installation of a Wireless Communications System for the Anchorage Jail

ITB OPENING DATE AND TIME: Thursday, March 14, 2002 at 2:00 p.m.

You are hereby instructed to make the following changes to the subject Invitation to Bid:

1. The bid opening date is hereby changed to that shown above.
2. The VHF Simplex frequency, 154.8900 MHz CTCSS= 103.5 Hz, is deleted from the Bi-directional Amplifier (BDA) system.
3. The VHF Simplex frequency, 155.0700 MHz CTCSS= 127.3 Hz, is deleted from the Bi-directional Amplifier (BDA) system.
4. The VHF repeater for the Anchorage Jail will have a frequency change. The new tentative frequency of that repeater will be:

Tx:	150.995 MHz	CTCSS= 114.8 Hz
Rx:	159.000 MHz	CTCSS= 114.8 Hz
5. A second VHF repeater will be incorporated into the design of the BDA system. The tentative frequency of the second repeater will be:

Tx:	151.055 MHz	CTCSS= 103.5 Hz
Rx:	159.105 MHz	CTCSS= 103.5 Hz
6. A third VHF repeater will be incorporated into the design of the BDA system. The tentative frequency of the third repeater will be:

Tx:	151.130 MHz	CTCSS= 127.3 Hz
Rx:	159.180 MHz	CTCSS= 127.3 Hz
7. Provision and installation of three VHF tone wire line control repeaters. Each repeater shall be a **25 watt VHF repeater**. A tone remote will be installed into one VHF repeater (tentative frequency Tx: 150.995 MHz, Rx: 159.000 MHz). The other two repeaters will have no tone remotes connected at this time. The VHF repeaters will be located in Room EV-8 (Radio Room) and shall be installed as rack mount units. Rack(s) to be provided by the successful bidder. The duplexers/RF combiner for these three repeaters will be provided as part of the TX/RX equipment list. The repeaters shall be equivalent to the following:

Three (3) each Model C99ED, Quantar VHF repeaters with options
001C Quantar configuration

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X330 ADD: 25W Quantar, VHF

X597A Conventional analog output
X580 repeater, tone wire line control/ 4WA
X432 service manual for repeater
X30 emergency battery revert

For now, all three VHF repeaters will operate in the analog mode. The repeaters will be configured in the future to operate in the digital 12.5 KHz Project 25 mode with the intent of interoperability into the Alaska Land Mobile Radio (ALMR) statewide system.

A dedicated copper cable will be provided that will run from EV-8 to the control room of the Anchorage Jail facility. This copper cable is intended to be used for connection of the tone remote to the VHF repeater.

The tone remote shall be capable of handling a minimum of **three (3) base/repeater units** simultaneously and be capable of 2W (two wire) or 4W (four wire) operation. A gooseneck style microphone is to be provided with the tone remote.

The successful bidder shall provide all necessary paperwork and assistance to FCC license these repeaters and portable/mobile radios that will operate into these repeater systems at the Anchorage Jail. The FCC licensee shall be the State of Alaska. The successful bidder shall coordinate the FCC license with Larry Nakata/Communications Engineer/ State of Alaska/ Dept. of Administration/ Information Technology Group/ Ph# 269-5744. The Dept. of Corrections will pay for frequency coordination fees necessary to FCC license the repeater systems.

For the upgraded design and revisions to the BDA system. all prospective bidders are encouraged to contact:

TXRX Systems Inc.
8625 Industrial Parkway
Angola, NY 14006
Ph# (716)549-4700
FAX# (716)549-4772

Contact: R. Scott Buergin or Jim Reville

8. The State will issue another amendment not later than early next week to confirm the tentative frequencies shown herein.

This amendment is for informational purposes only and need not be returned to the State.

Marlys Hagen, C.P.M.
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