



City of Prineville

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INFORMATION TECHNOLOGY

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Public Safety Radio System 7/800 MHz Radio System

The City of Prineville, through its 9-1-1 department, owns and operates the first responder radio system for all Crook County first responders. The radio system consists of conventional VHF repeaters located on strategic mountaintops throughout the County and surrounding area.

As the need for coverage and capacity has grown, the City has expanded sites to support additional channels. With large commercial buildings being constructed within the City, the need for in-building portable radio coverage was identified, and eventual migration to 7/800 MHz radio capabilities for compatibility with surrounding county and state systems was identified.

In 2017, Police and Sheriff's portable radios were upgraded to dual-band capable models, to be compatible with the existing county wide-area coverage VHF system, and support a 7/800 MHz system providing focused coverage within the UGB.

The City utilizes Codan radio communications for its existing radio infrastructure, and engaged Codan to produce a coverage study and system design to support a 7/800 MHz inlay within the UGB and phase the approach to add both capacity and coverage to extend the system across the western half of Crook County.

The Codan proposal was submitted utilizing the NASPO pricing contract and totals \$487,081.87, divided into 3 phases. Phase 1 of the project, which provides 2 channels at 2 sites and a single trunking controller is priced at \$226,019.47. The eventual build out of the system, adds additional channel capacity and coverage, and can be initiated as growth and first responder needs dictate.

In fiscal year 19, the City has budgeted \$175,000 to phase 1 of this project, and has included the remainder of the phase 1 resources within its FY20/21 budget request. Staff is seeking approval for phase 1 of this 7/800 MHz inlay proposal and intends to let the contract to meet the fiscal year deadline. Should the proposed budget not be approved, funding the balance of this proposal, the scope of phase 1 will be reduced to fit within appropriated budgeted amounts.

Staff Recommendation:

Motion to approve the purchase of a 7/800 MHz digital radio system in the amount of \$226,019.47, pursuant to the NASPO contract, to Codan Communications.

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