

Henry County is requesting bids for the purchase of portable and mobile radios and consolettes that are compatible with MC5500 Dispatch stations to enhance two-way radio communications between local, state, and federal agencies. The regional cache must be programmable for use on the County Wide Communications System (Lucas County, OH) and have the capability to be programmed with the Ohio MARCS system. Each bidder is required to bid on the **entire** project. Bids not submitted on the entire project will be rejected.

Bids shall include no less than the following:

- Detailed overview of the proposed radio cache and any additional services provided
- Qualifications and experience which may include reference(s) to projects of comparable size, scope, and function
- Warranty, maintenance, and support information, including pricing if applicable
- Detailed equipment specification sheets for all proposed equipment
- Schedule/timeframe for project completion and/or delivery
- Proof of insurance
- Proof of current workers compensation certificate

Henry County, as the purchasing entity, reserves the right to increase or decrease the number of radios/chargers/consolettes purchased based on the selected vendor's bid unit price. The County is restricted by funding, thus all vendors submitting a sealed bid agree to honor the unit price regardless of increase or decrease in units purchased which may be up to +/- 20% units total.

Detailed Specifications by Section
Section 1 – Portable P25 Radios

Henry County is requesting bids for the purchase of ten (10) 700/800 MHz P25 radios to enhance two-way radio communications between local, state, and federal agencies. The radios must be programmable for use on the County-Wide Communications System (located in Lucas County, OH) and have the capability to be programmed with the Ohio MARCS system and meet the ASTRO 25 imbedded digital voice and data.

The Henry County 700/800 MHz P25 Radios must specifically include the following components:

Required Components	Compliant
- 700/800 MHz Model	()
- Digital and P25 trunking and analog operation	()
- 6.25 kHz and 12.5 kHz channels	()
- Front-facing alphanumeric display	()
- Integrated voice and data	()
- Built-in GPS	()
- Over-the-air programming	()
- Emergency call	()
- MIL-STD-810C, D, E, F and G (High/low temperature, dust, vibration, shock, drop)	()
- IP67	()
- AES & ADP Encryption capability	()
- Intelligent impres battery system	()
- Unit ID	()

Additional Components

Compliant

- Battery Capacity/Type: High Capacity Lithium Ion impres ()
- Single unit charger with impres 2 technology ()
- Duel Lapel microphones with noise suppression w/ ear phone capabilities ()
- Eight (8) single unit chargers ()

Installation/Programming

Bidder shall include all programming charges/fees in the total project cost. Equipment shall be tested and accepted by a date agreed upon by the County and bidder within the performance period. Programming software should be equipped with a security feature to allow control and security over programming of radios onto the system (System key). Programming software should be equipped with a Hardware security feature to allow control and security over programming of radios onto the system via a hardware-based system key.

Warranty

The proposed radios shall have a warranty period of not less than two years, commencing upon the first day of completion of programming. The bidder shall provide a means of contact for service requests and warranty claims, 24 hours a day, 7 days a week, 365 days a year. Warranty maintenance shall be performed without additional charges for work outside normal business hours.

Intentions

These specifications are not intended to include any proprietary items, components, circuits, or devices which should preclude any manufacturer from producing equipment to meet these specifications. The fact that a manufacturer chooses not to produce equipment to meet these specifications, providing the above criteria are met, will not be sufficient cause to adjust these specifications as restrictive.

Exceptions

All bidders must meet basic requirements. Bidders must note any exceptions to the specifications and indicate those specific exceptions to the bid in a letter accompanying the bid at the time of the bid opening.

Reservation of Rights

The County reserves the right to reject any or all bids and to waive any formalities or technicalities in the bidding.

Delivery Location

Henry County EMA 1847 Oakwood Avenue Napoleon, Ohio 43545

Breakdown of Scoring Criteria

Compatibility of System to the Lucas County system 35 pts; meeting required components 30 pts – must meet all requirements to get 30 points, otherwise zero points will be awarded; Durability (life expectancy of radios) 25 points – zero to 5 years 10 points, 5-10 years 25 points; Cost – 10 points, up to 10 points can be awarded for cost.

Section 2 – Mobile P25 Radios

Henry County is requesting bids for the purchase of ten (10) 700/800 MHz P25 interoperable two-way mobile radios to enhance two-way radio communications between local, state, and federal agencies. The radios must be programmable for use on the County-Wide Communications System (located in Lucas County, OH) and have the capability to be programmed with the Ohio MARCS system and meet the ASTRO 25 imbedded digital voice and data.

The Henry County P25 Radios must specifically include the following components:

Required Components	Compliant
- 700/800 MHz Model	()
- Digital and P25 trunking and analog operation	()
- 6.25 kHz and 12.5 kHz channels	()
- Alphanumeric display	()
- Integrated voice and data	()
- Built-in GPS	()
- Over-the-air programming	()
- Emergency call	()
- MIL-STD-810C, D, E, F and G (High/low temperature, dust, vibration, shock)	()
- IP56 Rated	()
- AES & ADP Encryption capability	()
- Unit ID	()
- O2 Rugged Control Head Hardware (High Impact Green)	()
- Remote Mount	()
- Reuses XTL accessories plus new impres accessories	()
- Standard palm microphone	()
- Auxiliary speaker minimum 7.5 watt	()

Additional Components	Compliant
- Minimum 3.0 dB Gain Antenna (Low Profile)	()

Installation/Programming

Bidder shall include all installation and programming charges/fees in the total project cost. Equipment shall be installed, tested and accepted by a date agreed upon by the County and bidder within the performance period. Programming software should be equipped with a security feature to allow control and security over programming of radios onto the system (System key). Programming software should be equipped with a Hardware security feature to allow control and security over programming of radios onto the system via a hardware-based system key.

Warranty

The proposed radios shall have a warranty period of not less than two years, commencing upon the first day of completion of installation. The bidder shall provide a means of contact for service requests and warranty claims,

24 hours a day, 7 days a week, 365 days a year. Warranty maintenance shall be performed without additional charges for work outside normal business hours.

Intentions

These specifications are not intended to include any proprietary items, components, circuits, or devices which should preclude any manufacturer from producing equipment to meet these specifications. The fact that a manufacturer chooses not to produce equipment to meet these specifications, providing the above criteria are met, will not be sufficient cause to adjust these specifications as restrictive.

Exceptions

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Section 3 – Portable P25 Radios

Henry County is requesting bids for the purchase of five (5) 700/800 MHz P25 interoperable Consolettes that are compatible with MC5500 Dispatch stations to enhance two-way radio communications between local, state, and federal agencies. The consolettes must be programmable for use on the County-Wide Communications System (located in Lucas County, OH) and have the capability to be programmed with the Ohio MARCS system and meet the ASTRO 25 imbedded digital voice and data.

The Henry County P25 Consolettes must specifically include the following components:

Required Components	Compliant
- 700/800 MHz Model	()
- Digital and P25 trunking and analog operation	()
- Separation of frequencies can be as wide as the allowable band per radio model	()
- Numeric Keypad and Programmable Buttons	()
- External Integrated voice and data port	()
- Over-the-air programming	()
- Emergency footswitch capable	()
- Enhanced AES Encryption capable	()
- FIPS 140-2 compliant capable	()
- Mobile supported and power supply with battery revert	()
- Gooseneck mic and PTT footswitch capable	()
- Text messaging service to subscribers or dispatch operators capable	()

Installation/Programming

Bidder shall include all installation and programming charges/fees in the total project cost. Equipment shall be installed, tested and accepted by a date agreed upon by the County and bidder within the performance period. Programming software should be equipped with a security feature to allow control and security over programming of radios onto the system (System key). Programming software should be equipped with a Hardware security feature to allow control and security over programming of radios onto the system via a hardware-based system key.

Warranty

The proposed consolettes shall have a warranty period of not less than two years, commencing upon the first day of completion of installation. The bidder shall provide a means of contact for service requests and warranty claims, 24 hours a day, 7 days a week, 365 days a year. Warranty maintenance shall be performed without additional charges for work outside normal business hours.

Intentions

These specifications are not intended to include any proprietary items, components, circuits, or devices which should preclude any manufacturer from producing equipment to meet these specifications. The fact that a manufacturer chooses not to produce equipment to meet these specifications, providing the above criteria are met, will not be sufficient cause to adjust these specifications as restrictive.

Exceptions

All bidders must meet basic requirements. Bidders must note any exceptions to the specifications and indicate those specific exceptions to the bid in a letter accompanying the bid at the time of the bid opening.

Reservation of Rights

The County reserves the right to reject any or all bids and to waive any formalities or technicalities in the bidding.

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