



**CLINTON, CT**  
**Department of Emergency Management**

**REQUEST FOR PROPOSAL**

**Unmanned Aerial System**

**Appendix A**

**December 2025**

## **1. Purpose**

[Organization Name] is soliciting proposals from qualified vendors to supply, deliver, and support an **Autel Robotics EVO Max 4N** industrial drone platform or an **equivalent** aerial drone platform that meets or exceeds the technical and operational requirements contained in this RFP.

## **2. Background**

The Town of Clinton requires a rugged, multi-sensor unmanned aerial system (UAS) capable of thermal, low light and high-resolution optical imaging, long endurance flight for inspections and public safety missions.

## **3. Air Frame**

Vendors shall provide the following as part of their proposal:

- One (1) new Autel Robotics EVO Max 4N **or equivalent** drone platform.
  - Controller with integrated screen
- One (1) new Autel Robotics EVO Nano+ **or equivalent** drone platform.
  - Controller with integrated screen

## **4. Add Options Accessories**

Vendors shall provide the per unit price for the following accessory types for the EVO Max 4N **or equivalent**. The town may elect to purchase some, or all accessories listed individually.

- Additional battery
- Spare propellers (low noise)
- Multi battery charger
- Air frame mounted spotlight
- Air frame mounted speaker
- Air frame mounted payload holder
- Streaming ability device such as live deck

If a vendor feels there are any other relevant accessories that are pertinent to the intended purpose of this UAS please provide the per unit cost as well as a description of the accessory and its purpose.

## **5. General Characteristics**

The proposed aerial drone platform must meet or exceed the following general characteristics:

- Airframe & Flight Performance
- Rugged, enterprise-grade multi-rotor airframe suitable for public safety and industrial operations.
- Minimum flight endurance of approximately 40 minutes under standard conditions.
- Capable of stable flight in varied environments, including low-light and moderate weather conditions.
- Imaging & Sensor Capabilities
- Integrated multi-sensor payload including:
  - High-resolution electro-optical (RGB) camera with zoom capability.
  - Low-light / starlight-grade night vision sensor capable of effective imaging in extremely low ambient light.
  - Thermal imaging camera suitable for public safety and inspection operations.
  - Optional laser range finding or distance-measurement capability preferred.
- Navigation, Autonomy & Obstacle Detection
- Omnidirectional obstacle detection and avoidance using vision and/or radar-based systems.
- Advanced autonomous flight functions including automated mission planning, object detection/avoidance, and return-to-home.
- Communications & Control
- Secure long-range communication system with a minimum operational range of 10–15 km line-of-sight (or equivalent within regulatory limits).
- Resistant to electromagnetic interference to support operation near infrastructure, power lines, or urban environments.
- Operational Suitability
- Capable of safe and reliable operation in temperatures ranging from approximately 0°F to 120°F.

- Suitable for missions including search and rescue, inspection, night operations, thermal assessments, and general public safety deployment.
- Portable, foldable, and deployable by a single operator.

## **6. Exceptions or Equivalents**

If a vendor wishes to take exception to any of accessories and or general characteristics, please provide a brief statement as to why.

If a vendor is proposing an equivalent UAS please provide all necessary details of the proposed drone for comparison.

## **7. Packages**

If a vendor provides package deals that are equivalent to the accessory requests, please provide cost for package and accessories included for comparison.

## **8. Insurance or Service Plan**

If the vendor offers a insurance and or service plan, please provide the cost and plan details.