



FIFA Drone Purchase - Reimbursement

4/20/26





The Basics

- Purchase of 4 Skydio quadcopter drones
 - For reimbursement, drones must be provided to City before 07/01
 - FIFA events begin first week of June
 - Skydio / meridian have committed to a rapid turn around in providing the purchased items before June 1.
- Purchase is ~\$28,000 for the sUAS each.
 - Cost is reimbursed
 - Opportunity to buy American made product with no cost to the City.
- Skydio X10 technology is all available to the public.
 - Cost represents quality and durability, American made product



Current Air Support Unit

- Full time Air Support Unit
 - 4 officers Patrol / Detectives Co-deployed units
 - 4 officers
- Supervisor dedicated to the unit
 - Quality Control
 - Policy / Law compliance
 - Training



sUAS in Inventory



Exterior Drones
DJI-M4T



Interior Drones
AVATA 2



Dragonfish

- Grant funded purchase



- DJI and AUTEL sUAS are becoming obsolete due to Federal regulations
 - Unable to acquire new parts
 - Unable to replace drone platforms



Skydio X10

- Nearly identical to current DJI drone in functionality.
 - Represents latest US input into the sUAS model
 - Meets or exceeds current ASU requirements for safety and durability





Why sUAS?

- Best Option Available for De-escalation
 - Drones are able to fly direct to call / incident
 - Bird's eye view provides live view of incident
 - Stand off, call out,
- Get accurate descriptions
 - See potential threats
 - See persons leaving area
- Situational awareness without putting people in danger
- Lower risk and cost than crewed aircraft



Call Response





Crowd Management

- Giving incident command accurate information:





Real Time Information





Policy:

- **604.3 PRIVACY**

- The use of the UAS involves privacy considerations. Absent a warrant or exigent circumstances, operators and observers shall adhere to FAA altitude regulations and shall not intentionally record or transmit images of any location where a person would have a reasonable expectation of privacy. Operators and observers shall take reasonable precautions to avoid inadvertently recording or transmitting images of areas where there is a reasonable expectation of privacy. Reasonable precautions can include, for example, turning imaging devices away from such areas or persons during UAS operations.

- **604.6 PROHIBITED USE**

- The UAS video surveillance equipment shall not be used:
 - To conduct random surveillance activities.
 - To target a person based solely on individual characteristics, such as, but not limited to race, ethnicity, national origin, religion, disability, gender or sexual orientation.
 - To harass, intimidate or discriminate against any individual or group.
 - To conduct personal business of any type.
 - To conduct surveillance of public rallies, protests and other constitutionally free expression unless used for safety considerations. Safety considerations may include the following:
 - Volume of citizens over large areas which can create planning and safety concerns
 - Vehicle traffic and pedestrian interactions
 - Incident Command management of resources and personnel to mitigate dangers including known threats, safe movement of the crowd, environmental hazards, deployment of resources (Police, Fire, etc) and verification of reported incidents / activity.



Artificial Intelligence

- Flight Controls
 - AI assists / controls flight
 - Avoid obstacles
 - Map Overlay
- Object Tracking
 - PIXEL locking and follow
- No Facial recognition / License Plate logging



Oversight and Video Retention

- Airdata:
 - All Drones are tracked by automated computer system that monitors all flights.
 - Drone speed / altitude / direction of sensors / comprehensive flight logging
 - Map overlay
 - Any time a drone is flown its logs automatically updated.
- Video Retention and Security
 - All videos are uploaded to AXON Evidence.com
 - Standard Retention
 - Standard PRR Release
- Unit Supervisor
 - Maintain Quality Control and Policy Adherence
 - Training Records
 - Yearly Audit of Representative Sample of flights