

## **Background**

The Williamson County Sheriff's Office Drone Unit was formed in May 2017. Since the unit was formed, it has completed 236 flight missions. The unit currently has eight FAA Certified UAS Pilots who have completed extensive training to becoming Drone Operators. The unit maintains a state of readiness for response to a variety of missions which include Critical Incident Overwatch, Traffic Collision & Crime Scene Mapping, Missing Persons/Child, Wildland Fires, Storm Damage Assessment, and Mutual Aid when called upon.

## Mission

The unit requires specialized drones to fulfill mission requirements including Thermal Camera Capability, High-Definition Camera, Interior flying with extended flight time, and Remote Drone ID, which is an FAA requirement beginning September 2023. In addition, the WCSO Drone Unit utilizes Drone flight software which allows video streaming and coordination with other public safety drone units. Ongoing maintenance costs include replacement batteries, software licenses renewal, and Williamson County required insurance.

## UAS COSTS - RECURRING, REPLACEMENT, AND REQUESTED

| Requested and Replacement      |            |    |        |
|--------------------------------|------------|----|--------|
|                                |            |    |        |
| Drones - Future Replacement    |            | \$ | 18,237 |
| lpads- flight control/software | \$1,400 ea |    | 2,800  |
|                                |            |    |        |
| TOTAL                          |            | \$ | 21,037 |
|                                |            |    |        |
| Recurring Costs - Estimated    |            |    |        |
|                                |            |    |        |
| Insurance                      |            | \$ | 10,588 |
| Memberships/Certifications     |            |    | 490    |
| FAA Part 107 Exam              | \$180 ea   |    | 360    |
| Software Maintenance           | ·          |    | 2,776  |
| Repair to Equipment            |            |    | 600    |
|                                |            |    |        |
| TOTAL                          |            | \$ | 14,814 |

Disclaimer: The above cost are an estimate based on Historical Data