



Board:	City Commission
Agenda	7-28-25
Date:	
Department:	Public Safety
Presenter:	Eric Buckman (Leif Sjoquist to answer questions)

Staff Report

Agenda Item Title:

New Public Safety Drone

Background:

- 1) Public Safety started their Drone program in 2022 with the Purchase of the DJI Mavic 3 Thermal.
- 2) The Drone program has been extremely successful, and the Drone has been used with great results.
- 3) The Drone has been deployed for numerous incidents ranging from ice rescue operations to missing persons.
- 4) PSO Leif Sjoquist, who has become our department's expert on Drone's, recently set out to add a new Drone to our program.
- 5) PSO Sjoquist sought donations for the Drone (Goal = \$20,000) and as of today, he has raised \$23,200
- 6) The Drone we are looking to purchase is the Lemur 2
- 7) The Lemur 2 is the only law enforcement grade drone system to offer the following combination of features:
 - Integrated loudspeaker and microphone, transforming the drone into a mobile communication hub for negotiators.
 - Glass breaker attachment, for effective entry into structures and ventilation of buildings.
 - Payload Dropper Attachment, for delivering or dragging small objects during negotiations.
 - Turtle Mode enables the LEMUR 2 to automatically flip back and redeploy in the event of being knocked over on its back.
 - 6-hour perch time for extended eyes on critical locations.
 - 190-degree gimbal range enabling the ability to look straight up above the drone.
 - Integrated blue and white lights built into the gimbal. Lighting modes include persistent or strobe lights depending on the needs of the situation.
 - Produce real-time floor plans while the drone is in flight, utilizing LiDAR sensors that stream data directly to the controller.
 - Designed and made in the USA, meets the security standards set forth by the National Defense Authorization Act (NDAA).

- 8) The Lemur 2 will not replace the Mavi3 3 Thermal but will add to our Drone Fleet and will give us more Drone options to use based on the incident circumstances.
- 9) The purchase price of the Lemur 2 is \$16,999.15
- 10) The remaining funds from the drone donations will be set aside for future drone program purchases, such as new batteries, lights, etc.
- 11) The lead time for the Drone build is approximately 4 months

Fiscal Effect:

\$16,999.15 (All from Donations)

Supporting Documentation:

- 1) Brinc purchase agreement
- 2) Donation breakdown
- 3) Lemur 2 information sheet
- 4) Brinc W9

Recommendation:

Allow Public Safety to purchase the Lemur 2