COMMITTEE OF THE WHOLE

Unmanned Aircraft System (UAS)

City Council
June 18, 2019

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UAS PROJECT TIMELINE

- Parks ordinance - 2018

- UAS policy drafted

- Equipment obtained

- FAA pilot certification

- Legal review

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PURPOSE

The UAV provides:

- An aerial visual perspective - used primarily to supplement traffic collision investigations involving serious or fatal injuries

- Safer work environment

- More detailed representation of the scene

- Efficiency - allows roadways to open sooner

Additional public safety benefits include assistance with:

- Lost or missing persons searches

- Natural disasters

- Emergent life threatening public safety needs Authorization by the police chief or designee is required for these applications.

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COST & TIME SAVING ANALYSIS

- Mapping a collision scene with the UAS will take an hour on average.
- Compared to 3-4 hours with older technology (total station)

December 28, 2018: Car vs. Pedestrian Fatality
- ➢ RPD overtime Traffic officers on scene 3 hours
- ➢ Overtime cost using total station: $1,267.74 & roadway closed 4.5 hours
- ➢ Cost using UAS: $422.58 & roadway closed 2.25 hours
- ➢ Cost & Time Savings: $845.16 and two hours of roadway closure

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PRIVACY CONCERNS

- RPD policy addresses protection of rights and privacy.

- Pilots shall take reasonable precautions to avoid inadvertently recording or transmitting images in areas where there is an expectation of privacy.

- Search warrants will be required when the UAS could collect evidence of criminal wrongdoing.

- UAV pilots shall adhere to FAA guidelines.

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UAS PILOT AUTHORIZATION

- RPD's chief pilot is responsible for overall direction and performance of UAS.

- Authorized pilots:
  - ➢ Licensed by the FAA and operate under applicable law.

  - ➢ Must complete training in the operation, applicable laws, policies, and procedures.

  - ➢ Only authorized pilots shall be permitted to operate the UAS

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DOCUMENTATION & RETENTION

- UAS pilots will document all deployments in written narratives.

- UAS pilots shall maintain and update a flight log detailing date, time, duration, and reason for flights.

- All images, video, and data obtained through UAS deployment will be used, retained, and disseminated in accordance with department policy, state law, and the public records act.

NEXT STEPS

- Informing City Council

- Public Messaging Campaign

- Training Flights

- FAA pilot certification

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THANK YOU

Questions?

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