



## UAS

### UAS Deployments

- Shall be deployed and used only in accordance with state and federal law only to support our public safety mission
- Requests for UAS shall be made to RPIC. The RPIC will determine if the UAS can be legally and safely flown (or program coordinator)
- RPIC is responsible for making final determination for when the UAS can be safely utilized based on weather, airworthiness, darkness or other hazardous conditions



# UAS

## UAS Deployments

- Authorized training mission (crash recon related)
- In support of reconstructing serious/fatal traffic crashes
- No other missions are authorized without approval from Chief or Asst. Chief
  - (via on-call Major) per GO 60-010
- No manual or night flights (potential future training)
- Cannot be operated over roadway unless roadway is closed
  - FAA allows perpendicular flights over moving traffic currently; per our policy we currently do not



# UAS

## Time saved on scene using UAS

- On scene/road closed time is greatly reduced
  - Open roadways faster
  - Safer for first responders on scene
- Average flight time
  - 7 – 15 minutes vs. 90 – 120 minutes using total station

### • 2023

|  |            |
|--|------------|
| # of Crash Reconstruction Specialists (statewide): | 46         |
| # of UASs:   | 36         |
| # of UAS flights (mission):                        | 434        |
| Total flight time:                                 | 73 hours   |
| Avg. flight:                                       | 10 minutes |
| Typical Total Station mapping time:                | 90 minutes |
| Total Total Station time * 434 missions:           | 651 hours  |
| Estimated roadway closure time saved:              | 651 hours  |



## I-35 at Mile Post 53

- Call Time 1220
- 4 Areas of impact
- 5 Vehicles involved
- 27 Separate tire marks
- 463 ft long scene
- Opened road at 1547
- Total closure time: 3 hours 27 minutes