

**Santa Clara County Office of the Sheriff**  
**Integrated Helicopter Mapping System**  
**Annual Surveillance Report: July 1, 2022 – June 30, 2023**

**1. Description of How the Technology was Used**

The Churchill Integrated Helicopter Mapping System is a set of devices that link the helicopter's mapping software, a compatible camera, and global positioning software (GPS). An Internal Measurement Unit (IMU) is paired with the helicopter's GPS to allow synchronization of the camera's field of view with the mapping software, so that the mapping information is overlaid over real-time video images. The resulting image is similar to Google Maps, which augments satellite imagery with street names and other data. During this reporting period, Sheriff's Deputies and pilot utilized the system in compliance with the Churchill Integrated Helicopter Mapping System Surveillance Use Policy and has been vital in expeditiously navigating the helicopter to calls for service.

**2. Data Sharing with Outside Entities**

No data had been shared with outside entities during this reporting period.

**3. Community Complaints or Concerns**

Any community complaints regarding the use of the Churchill Integrated Helicopter Mapping System are routed to the Internal Affairs Lieutenant for tracking and response. The Office of the Sheriff has not received any community complaints or concerns regarding the Churchill Integrated Helicopter Mapping System during this reporting period.

**4. Non-Privileged Internal Audits/Policy Violations**

All Office of the Sheriff staff are provided all Surveillance Use Policies via an internal web-based portal requiring annual review and attestation of acknowledgement completion. Office of the Sheriff supervisors monitored and periodically audited the data obtained by and the use of the Churchill Integrated Helicopter Mapping System to ensure compliance with the Surveillance Use Policy and other department policies. No violations were observed during this reporting period.

**5. Effectiveness in Achieving its Identified Purpose**

The Churchill Integrated Helicopter Mapping System is a vital piece of equipment for the Sheriff's Helicopter. This Mapping System has been essential and effective in assisting the Sheriff's Helicopter to navigate calls for service expeditiously.

**6. Public Records Requests**

The Office of the Sheriff has a process in place to track California Public Records Act (CPRA) requests with designated staff assigned to receive and respond to each request. The Office of the

Sheriff has received not received any California Public Records Act requests regarding this equipment during this reporting period.

## **7. Annual Costs**

The purchase of the Churchill Integrated Helicopter Mapping System was a one-time purchase prior to this reporting period and there were no additional costs incurred during this reporting period.