



Pilot Drone Program



Proposal

- Drone usage has the potential to improve efficiency of operations, reduce costs, and improve safety for staff
- Intended Public Works applications:
 - Roof inspections
 - Before/after views of CIP projects, including road reconstruction projects
 - Where steep slopes precludes staff from safely viewing potential geotechnical concerns



FAA Regulations

- Pilot must have Remote Pilot Airman Certificate and must pass TSA vetting
- Pilot must be 16 years old
- Drone must be less than 55 lbs. and registered (online)
- Drone must undergo pre-flight check to ensure sUAS is in condition for safe operation
- Can fly in Class G airspace - If within 5 miles of airport, prior notification to air traffic control (ATC) is required (Oakland and Hayward airports)
- Operating Rules, which are all subject to waiver, include -
 - Must keep aircraft in sight
 - Fly under 400 feet
 - Fly during day only
 - Fly at or below 100 mph
 - Must yield right of way to manned aircraft
 - Must NOT fly over people
 - Must NOT fly from a moving vehicle

Pilot Program

- Pilot is certified by FAA and drone is registered with FAA
- CJPRMA provides insurance coverage
- One year pilot program, to capture seasonal operational variations

Administrative Policy

- The privacy and safety of San Leandro residents, businesses, and visitors are top priorities
- Administrative Policy proposed to cover:
 - Safety
 - Training
 - Notification
 - 24 hours in advance
 - Planned operations only (no 'emergency' use)
 - Privacy
 - Data Security
 - Pre-flight form filled out and placed in public portal of City's website
- Administrative amendment to City's Retention Policy regarding video retention
 - 30 days maximum is proposed, unless still/video is incorporated into City outreach material