



Police Department

# Information on the Purchase and Installation of Three Trakkabeam TL360 Helicopter Searchlights

Community Police Oversight Commission

Pasadena Police Department  
Presented by:  
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# BACKGROUND

## Police Department

- Primary Role of the Air Operations Section is to provide aerial support to first responders.
- Air support has long been a regional operation with services provided to various partner agencies.
- Missions include narcotic interdiction, search and rescue, fire operations, major events, and inter-departmental operations.



# BACKGROUND (Cont'd)

- Aside from providing air support services to the City of Pasadena, the Air Operations Unit provides aerial responses to the 10 other Foothill Air Support Team (F.A.S.T.) cities, and our two sister cities, Glendale, and Burbank.
- An integral part to the air crew's success during periods of darkness, is the use of a searchlight.
- The current fleet of helicopters are equipped with different versions of searchlights, ranging in age from 15 to 23 years and utilize the incandescent style bulbs.
- The older style lights require a larger electrical load on the helicopter's electrical system, taxing other helicopter components.
- The filament style bulbs degrade overtime, reducing the illumination output, and are required to be illuminated for a 20-minute period once they are activated to prevent filament damage.



# The New TrakkaBeam Searchlights

- The TrakkaBeam searchlights use the LED style lights and are instant-on and instant-off, allowing for the searchlight to be turned off once no longer needed, reducing light pollution.
- TrakkaBeam lights are smaller, lighter, and utilize 1/3 the power consumption.
- They provide the ability to illuminate an area with infrared (IR) light, allowing the crews to use their Night Vision Goggles to take advantage of the searchlight IR illumination without having to actually project any visible light on the area.





# BACKGROUND – Cont'd

## Police Department

- Notice Inviting Bids for purchase and installation of helicopter searchlight systems were advertised and posted on Open Gov procurement.
- CNC Technologies, LLC. was determined to be the lowest, responsive submission. CNC Technologies, LLC is a reputable vendor in the helicopter industry serving the law enforcement market.
- The cost of this action is \$383,685