

50 YEARS OF OPD AVIATION 1970 – 2020



2021

REIMAGINING PUBLIC SAFETY IN OAKLAND

☐ COST

- HELICOPTER \$600 HR
- AIRPLANE \$150 HR

☐ NOISE

☐ ENVIRONMENT





100LL or
JET FUEL

SAFETY

MISSION
EQUIPMENT

TWIN
ENGINE

FUEL
EFFICIENT

CARBON
COMPOSITE
FRAME

CHOOSING THE AIRPLANE (FIXED WING)

- THE AIRPLANE IS A DIAMOND AIRCRAFT DA62 MPP (MULTI PURPOSE PLATFORM)
- RESEARCHED MANY AIRPLANES. OAKLAND RFQ (#269469)
- AIR BEAR TACTICAL AIRCRAFT, LLC. IS THE ONLY COMPANY THAT RESPONDED TO THE RFQ.



- MANUFACTURE BROUGHT A DA62 TO OAKLAND AIRPORT FOR A DEMONSTRATION
- DA62 IS MORE THAN CAPABLE OF PERFORMING OUR MISSION REQUIREMENTS
- NEW RFQ CURRENTLY OUT FOR BID'S RFQ#271104

TRAINING

- COST \$125,000 TO RE TRAIN 5 PILOTS
- WILL NEED TO RE TRAIN HELICOPTER PILOTS TO FLY AIRPLANES
- TRAINING COST FUNDED BY THE AIRPLANE LOAN
- IT IS SIGNIFICANTLY CHEAPER AND LESS TIME CONSUMING TO RETRAIN A HELICOPTER PILOT TO FLY AN AIRPLANE THAN IT IS TO TRAIN A ZERO TIME PILOT
- TRAINING TAKES 6 MONTHS AND WILL BE COMPLETE BEFORE AIRPLANE IS DELIVERED

Airplane Cost:

\$2,539,499	Airplane cost
\$1,733,761	Mission Equipment cost (radio, camera, mapping systems computers)
\$125,000	Training (5 pilots)
\$4,398,260	Total (\$4.4 million)

- Airplane price fluctuates daily with changes in the Euro and interest rate changes.
- Price will be locked in upon loan completion or deposit.



\$850,000 A Year

Grants
\$483,297

General fund
\$366,702

Fuel &
Maintenance

Airplane loan
payment

Helicopter
\$125,000

Airplane
\$300,000

15 year Loan
\$423,210 yr.

Grant funds cannot be used for finance payments of an Airplane



Airplane Loan:

- Paid for by the general fund.
- 15 year loan 4.45% Interest rate @\$423,210.29 a year
- 10 year loan 4.25% interest rate \$569,318.97 a year



- Save \$7 million dollars over the 30 year life of the airplane
- 21,000 gallon's of jet fuel not used per year
- Avoiding 187 metric tons of CO2 emissions annually
- Equivalent to 40 passenger vehicles not driven for an entire year
- Significant reduction in helicopter noise.

Airplane & Helicopter maintenance:

- Paid out of grant funds
- Once Airplane is in service full time estimated (4th quarter 2024)
- \$425,000 annual budget for Airplane & Helicopter maintenance
 - \$300,000 for Airplane
 - \$125,000 for Helicopter
- Helicopter shall only be used under one of the following 3 circumstances
 1. Training
 2. While the Airplane is in maintenance
 3. Weather prevents the Airplane from flying

TIMELINE

- 1 YEAR AFTER CITY COUNCIL APPROVES THE PURCHASE OF THE AIRPLANE AND FIRST PAYMENT MADE.
- FIRST PAYMENT CAN BE DEPOSIT OR COMPLETION OF FINANCING CONTRACT.
- AFTER AIRPLANE IS DELIVERED IT WILL REQUIRE “COMPLETION” COMPLETION IS INSTALLATION OF LAW ENFORCEMENT MISSION EQUIPMENT:
 - POLICE RADIOS, CAMERAS, COMPUTERS, AND MAPPING SYSTEMS



QUESTIONS

- ▶ SGT. JONATHAN VANERWEGEN
- ▶ AIR SUPPORT UNIT

