



The City of
OKLAHOMA CITY

POLICE DEPARTMENT

Ron C. Bacy
Chief of Police

MEMORANDUM

TO: Dan Stewart, Major
Uniform Support

FROM: Tim Ballard, Lieutenant
Air Support Unit

DATE: January 31, 2025

SUBJECT: Helicopter Completion N760KC

The City Council approved the purchase of a new Airbus H125 Helicopter to replace an aircraft in the existing fleet. This is the same make and model aircraft as the Police Air Support Unit currently operates. The final completion is an extensive process. The completion entails extensive modifications to the aircraft and installation of additional police mission equipment. The added equipment consists of police radios, internal and external communication systems; searchlight and camera mounts and connections; addition of a hoist and belly hook; various Avionics upgrades offered from the factory include a mapping system.

The systems installed on the aircraft are intertwined with each other. The mapping system communicates with the camera which communicates with the searchlight. The communications system is connected to multiple devices throughout the aircraft. This work is very involved and specialized. To save money the Air Support Unit will not be purchasing a new camera or searchlight for the new aircraft. Instead, this mission equipment will be moved from the current aircraft over to the new aircraft and back as needed.

In 2014 the Air Support Unit purchased two new Airbus H125 helicopters. The aircraft were delivered in a "green" condition, which required the department to contract with a vendor for completion of the aircraft. Hangar One was awarded the contract through the competitive bid process and subsequently performed all the necessary work to make the aircraft mission ready. Hangar One provided the Air Support unit with very detailed mechanical drawings, and wiring diagrams and component schematics. These details have been critical to the maintenance and troubleshooting of issues since the aircraft were delivered. Hangar One provides this information as part of their very detailed installation and completion process.

In 2017, funding was identified to purchase new mission equipment for the aircraft. This allowed the Air Support Unit to purchase new camera systems, mapping systems and crash resistant fuel tanks for each aircraft. Hangar One was awarded the installation of these items. Hangar One has the knowledge of our current aircraft and has designed the internal operability between the current mission equipment systems. This knowledge of the current design and the need for continuity between the mission equipment systems and the airframe avionics systems in the new design, allows for a much safer and reliable installation. The FLIR camera system as well as the searchlight, Bambi bucket, external mirrors and belly hooks will be moved from aircraft to

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aircraft. The aircraft need to be wired exactly alike to facilitate this operation and eliminate any interface issues.

Based on Hangar One's reputation and quality of work I would request we use Hangar One as a sole source vendor.

The total cost to the city is \$2,024,213.89.

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Bill To: Oklahoma City Police

Attn: Marc Foreman
Ph: 405-297-1182
Fx:
Email: marc.foreman@okc.gov

QUOTATION

Date: 1/12/25
Quote #: 20250112-1
Quote Valid Until: 12/30/2025

TERMS Net 30
Aircraft Reg: N760KC
Aircraft Type: H125
Aircraft S/N: TBD
Completion Time 4.5 months

STATEMENT OF WORK

Qty	PART NUMBER	DESCRIPTION	LABOR	PARTS	TOTAL
1	Extended Seat Rail	AIRBUS to install the Copilot Extended Extended Seat Rail before leaving factory- Pilot side is also an option	AIRBUS	AIRBUS	AIRBUS
1	Battery Relocation	Install Airbus Canada Aft Battery relocation kit with RG390 battery.	AIRBUS	AIRBUS	AIRBUS
1	Wear Strips	Install stainless steel wear strips on LH and RH baggage doors. Prevents sliding door from rubbing on baggage door.	AIRBUS	AIRBUS	AIRBUS
1	Door Configuration	Airbus Canada pilot and copilot High Vis door.	AIRBUS	AIRBUS	AIRBUS
1	Dual Controls	Install Copilot Flight Controls	AIRBUS	AIRBUS	AIRBUS
1	350A73-1590-01	Copilot Collective Quick Disconnect Mod - Includes Pip-Pin for copilot cyclic.	1,650.00	10,134.75	11,784.75
2	350A41-1046-20-RP & 350A08-2207-21-RP	Install full Length Carbide Skid Shoes	2,200.00	9,887.50	12,087.50
1	Cabin Flooring	Install LonCoin Cabin flooring -Onyx. Customer will send flooring.	4,950.00	1,250.00	6,200.00
1	Air Conditioning	AirCom Air Conditioning System - RH baggage condenser.	20,350.00	57,742.78	78,092.78
1	Engine Filter	AFS Engine Barrier Filter	18,150.00	53,773.13	71,923.13
1	1741320	Install a Facet Engine Oil Filter	4,400.00	7,261.66	11,661.66
1	Instrument Panel	Install an Airbus Expanded Instrument panel STC Kit.	16,500.00	36,747.14	53,247.14
1	200-470-00	Install Onboard System Cargo Hook Swing System with load cell	14,300.00	82,295.66	96,595.66
1	350-200264-03	Install a RH cargo Mirror kit from Airbus Canada	2,200.00	2,831.52	5,031.52
1	BAMBI	Electrical Provisions for a Bambi Bucket	7,150.00	1,250.00	8,400.00
1	130-700414	Airbus Blade Tie-Down Kit	550.00	2,998.82	3,548.82
1	646.4001	Install Dart Wire Strike Protection Kit.	13,200.00	25,274.16	38,474.16
2	3501CC-2032-3 and -4	Tech-Tool Aft sliding door cabin comfort window without vent. Light Smoke Gray #2256. Includes new window seals.	3,850.00	13,400.00	17,250.00
1	Center Console	Custom design, includes Storage with GSB15 USB charge ports. Mounts between pilot and copilot seats. Do not install Barrier wall between multiblock and console.	3,850.00	3,125.00	6,975.00
1	100-5352	Life Port One (1) Wall Rack Assembly	9,900.00	3,527.06	13,427.06
1	375-3550-KIT	Life Port One (1) Wall Rack Install Kit	-	4,178.82	4,178.82
4	100-7115-03-1	Life Port Standard 16 inch flip up seat with 2 inch cushion - Color is dark grey.	-	69,082.35	69,082.35
2	16-00101-05-POO	Life Port Utility rag and tube flip up seat	-	18,258.82	18,258.82
2	ST2-267-01	Lifeport Cargo pallet with brownline. Will attach to AFT wall seat rack for equipment mounts.	-	7,376.47	7,376.47
1	Autopilot	Install a Garmin GFC-600H Autopilot system	35,200.00	89,319.06	124,519.06
1	Rescue Hoist	Install a Goodrich Rescue-Hoist System. MOUNT HOIST PENDANT AND CABLE CUTTER ON LIFEPORT CARGO PALLET (SAME AS N740KC)	27,500.00	398,823.53	426,323.53
1	Grab Bar	Install Hangar One Grab Bar mounted on the Lifeport Wall Rack.	-	7,647.06	7,647.06
1	350A82-1576-11	Install a Whelen Belly Mounted LED beacon and replace Tail Beacon with a Whelen style light assy P/N 01-0771080-01.	4,950.00	8,057.44	13,007.44
1	Thommen Searchlight	Install a customer supplied Thommen Searchlight.	33,000.00	11,764.71	44,764.71
1	Searchlight mount	Install a AMTECH AMT342 A frame searchlight mount. Includes dovetail mount	5,500.00	27,882.35	33,382.35
1	FLIR-380HDc	Install a customer supplied (CFE) FLIR-380HD camera system.	38,500.00	11,764.71	50,264.71
1	Laser Arming	FLIR-380 Laser Arming Panel	-	3,750.00	3,750.00
1	FLIR380 Cable	FLIR-380 Hangar One Custom Cable Kit with belly disconnect.	-	18,750.00	18,750.00
1	DownPost and Dovetail	Purchase and Install AirFilm Downpost Utility Mount for Camera System. Includes Dovetail set.	4,950.00	27,529.41	32,479.41
1	ARS750	Install an Churchill ARS750 mapping computer with AK-4 sliding keyboard. Includes RTX device for sending waypoint info to Garmin GTN.	33,000.00	145,675.00	178,675.00
1	Cell Modem	Install a Peplink MAX-BR1-PRO-5G broadband cellular router with Peplink ANT-MB-40G-S-B-6 mimo antenna.	5,500.00	3,125.00	8,625.00
1	Monitor	Purchase and Install a MacroBlue 17" Monitor HD Monitor with Touchscreen and NVG.	11,000.00	23,750.00	34,750.00

1	TDFM	Install Technisonic TDFM-9000 4 triband Transceiver, includes 4 antennas.	22,000.00	93,642.54	115,642.54
1	GTN-750Xi	Install a Garmin GTN-750XiNVG. Remove existing GNC-255	19,800.00	21,689.06	41,489.06
1	GRA55	Install a Garmin GRA55 Radar Altimeter System. Includes RT, Two antennas, Radar Altimeter Enablement Card.	16,500.00	14,666.67	31,166.67
1	5G Filter	Install a Garmin 5G filter on the Rx coax of the Radar Altimeter System	-	2,507.81	2,507.81
1	Audio System	Install an AEM P139 Audio System. (3 Small Mixer Panels P/N G13116). Also includes Jupiter JA33-001 Bluetooth adapter for cell connection.	44,000.00	56,677.49	100,677.49
1	M811B-24-NVG -15	Davtron Clock M811B-24-NVG with Flight Timer	550.00	1,100.34	1,650.34
1	P174	AEM 28V to 14V converter.	3,850.00	1,560.00	5,410.00
4	Drop Cords	Alpine Aerotech coiled drop cords with Vox,PTT, and Volume controls.	-	2,725.00	2,725.00
1	NVG	Aero Dynamix Cockpit NVG STC SR09456RC.	4,400.00	58,823.53	63,223.53
1	Mode A/C lock	Mode A/C lock enablement for transponder. Disables ADSB out from aircraft.	-	1,406.56	1,406.56
1	GTS-800 Traffic	Install a Garmin GTS-800 Traffic system with dual GA58 antennas	14,300.00	15,714.29	30,014.29
1	Flight Stream 510	install a Flight Stream 510 SD card - Interfaces IPAD to GTN for flight plan, Traffic, and Weather.	-	1,635.94	1,635.94
1	Video Enablement	Video enablement card for Garmin G500HTxi - MX-10 and ARS-750 will be displayed in HD on the G500Tx.	-	1,471.88	1,471.88
1	Search and Rescue	Enable search and rescue feature in the GTN.	-	1,964.06	1,964.06
2	350A73-1572-02 & 350A73-1572-01	Install Extended Length outboard Tail Rotor Pedals. Pilot and Copilot.	275.00	2,801.88	3,076.88
2	TBD	Install pilot and copilot seat back leather pockets. Same as N720KC and N730KC (older seat style)	660.00	2,941.18	3,601.18
1	Position Light on/off	Install a Position light on/off switch.	550.00	2,000.00	2,550.00
2	Container Holder	Install Pilot and Copilot container holder. Mount Pilot container holder behind fire ext. Mount copilot Container holder behind copilot collective.	220.00	1,000.00	1,220.00
1	Tablet Holder	Fabricate Panasonic Toughbook Tablet holder to mount to Left Hand door post (Typical Bino Spot). Tablet will be used for MDC. Mount Dovetail receptacle to door post to support tablet. Install a 12VDC plug into instrument panel below the USB jacks. Relocate Air conditioner Vent to clear tablet (below instrument panel).	1,100.00	588.24	1,688.24
2	Soderberg Lights	Install two Soderberg map lights mounted in overhead LH/RH. (Same as N720KC and N730KC)	2,200.00	1,775.00	3,975.00
1	AXNES	Axnes PNG Wireless Intercom System- Includes base station, two antennas, three MP50 portables, 1 Aircraft Charger and 2 Desktop chargers. Mount Aircraft charger to front of center console between pilot and copilot seat. Interface AXNES to Shotover ARS-750 to show GPS position of MP50.	13,750.00	54,482.88	68,232.88
1	XM Weather	Install a Garmin GDL-69AH XM weather/Radio receiver into the aircraft. Receiver P/N 010-01294-36 GPS/XM Antenna P/N 013-00245-00	14,300.00	6,361.88	20,661.88
1	Track and Balance	Install Track and balance electrical provisions for MicroVibe, Includes two Accel, One Mag Pickup.	3,850.00	3,838.75	7,688.75
1	Hobbs Meter	Swap out Hobbs Meter for a TrueMeter P/N 732-0004	N/C	N/C	N/C
1	Pilot USB	Relocate Existing Pilot USB Port to Copilot Panel and install a New GSB-15 Garmin USB port mounted on the Pilot side of Instrument panel. GSB-15 will be interfaced to the GI-275 for doing database updates.	N/C	N/C	N/C
			484,605.00	1,539,608.89	2,024,213.89
			Freight (included)		-
			Sales Tax (7.75%)		Out of State
			Total		\$ 2,024,213.89

Thank you!

2026 Palomar Airport Road, Carlsbad CA 92011 Ph: 760-929-2270

Peteet, Sharri L

From: Jennings, Brian D <brian.jennings@okc.gov>
Sent: Saturday, February 1, 2025 5:33 PM
To: Police Finance
Cc: Stewart, Daniel T; Jennings, Brian D; Stroope, Michael P
Subject: Hanger One Avionics POR(1-31-2025)Air Support-N760KC Completion
Attachments: Hanger One Avionics POR(1-31-2025)Air Support-N760KC Completion.pdf

Please process. Thank you.

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