



Media Release

Date: January 26, 2004
Subject: Kitchener Aero Special Missions Expertise Applied to New Durham Regional Police Department Aerial Law Enforcement Helicopter.

For Immediate Publication

Kitchener, Ontario, CANADA – Over their 26 years in business Kitchener Aero (KAAV) has gained an enviable reputation for their *Special Missions* modification programs in Aerial Law Enforcement, MedEvac and Air Ambulance, Traffic Patrol, Forestry and Electronic News Gathering (ENG).

On December 15th, 2003, after full flight-testing was complete, KAAV delivered their latest *Special Missions* project – a new Aerial Law Enforcement Helicopter for the Durham Regional Police Department - to the Oshawa Airport and National Helicopters (the contract service aircraft operators). This delivery signaled the end to several months of extensive and involved design and installation work by KAAV. As with all KAAV Special Missions projects, this was a complete and turnkey effort and upon acceptance, the new helicopter was immediately pressed into full service.

Background . . .

Durham was the first municipal policing agency in Ontario to incorporate a helicopter into their law enforcement and crime prevention initiatives. Operating since 1999, their first unit was an early model JetRanger dubbed "Air1". It was called out 812 times during the past year, arrived first on scene 445 times and made 168 arrests.

In February of 2003 Durham purchased a factory new 206B-III Bell helicopter. The 206B-III offers increased speed and range, better operational efficiencies and new technology. After a brief visit to a community preview in June, the helicopter was delivered to KAAV for its Special Missions package design and installation.

Technical Data of Project . . .

The new 206B II was delivered as a 'green' aircraft, meaning no avionics systems whatsoever were installed at the factory. The digital avionics package set up began with the installation of an oversize Instrument Panel and a slope radio rack kit. Equipment installed included a Garmin GNS 530 Nav/Com/GPS, a GTX 327 Digital XPDR, Bendix/King KY 196A #2 Comm, KRA 405B Radar Altimeter System, and an NAT AMS-44 Audio/Intercom System. A Ryan TCAD 9900BX Traffic Avoidance System displays surrounding traffic on the GNS 530, significantly enhancing operational safety.

The *Special Missions* equipment added and incorporated includes an AVALEX special purpose Aviation Computer System, a video monitor in the aft area and an oversized instrument panel to house a large video monitor in the cockpit.

The real heart and soul of this *Police Special* is the Wescam System - which in this instance comprises an SX16 Nite-Sun floodlight (mounted on the belly at the aft section of the fuselage), slaved to the Wescam, nose mounted camera. The remote operation controls for the Wescam sit in a custom designed side pod, mounted to the cockpit panel. This allows the airbourne unit to track criminals day or night and is one of the most technologically advanced aerial camera systems available today. Other mods include a *Secure-a-Plane* back-up battery system that is integrated to the Police communication system and a full Digital Video Recording system.

Responsible for many industry *firsts*, KAAV has received numerous industry awards and accolades for their achievements and consistently rank among the top dealers in their industry with various key suppliers. The staff at Kitchener Aero seems to thrive on the myriad of technical challenges posed by *Special Missions* customers and continually delivers some of the finest work seen anywhere in the industry on these unique and special airbourne platforms.

For additional information call Barry Aylward at Kitchener Aero.

- 30 -



1.



2.



3.



4.



5.



6.





7.



8.



9.

For more detailed or alternative photos, please contact Robert Seaman at (416) 806-2966.

Photo Details:

1. *Secure-a-Plane* back-up battery system that is integrated to the Police Communication System and a full Digital Video Recording system.
2. SX16 Nite-Sun floodlight (mounted on the belly at the aft section of the fuselage), slaved to the Wescam, nose mounted camera.
3. AVALEX special purpose Aviation Computer System and an oversized panel to handle the large video monitor. The remote operation controls for the Wescam sit in a custom designed side pod, mounted to the cockpit panel.
4. The avionics improvements applied to the basic OEM aircraft front office started with a custom designed panel and now include a GNS 530 Nav/Comm/GPS, a GTX 327 Digital XPDR transponder, a KY196A #2 Comm, a KRA405B radar altimeter, a NATAMS 44 Dual Audio Controller and a Ryan TCAD 9900 BX traffic awareness system (TAWS)
5. Wescam nose mounted camera in the closed position.
6. Wescam nose mounted camera in the open position.
7. Aft cabin video monitor that is tied in to the cockpit system allows extra officers located in the rear to be fully involved/informed on the activities.
8. A factory new 206B-III Bell helicopter for Durham Regional Police after receiving a Special Missions installation from Kitchener Aero – complete and ready to enter service.
9. The Jet Ranger 206B-III offers Durham Regional Police increased speed and range, better operational efficiencies and new technology – key components for police services in their on-going war on crime. Kitchener Aero provided both an avionics upgrade and the Special Missions design and installation to make this aircraft into a formidable tool, purpose designed for the job.

