



MEMORANDUM FOR RECORD

Todd Gunther
Air Safety Investigator
Eastern Region

Date: February 5, 2018
Subject: Airbus Helicopters Damage Assessment
NTSB Case Number: ERA18IA078

According to Mr. Drew Cook (Structural Design Engineer, Airbus Helicopters), examination of the helicopter at their Grand Prairie facility confirmed that the helicopter had only incurred minor damage during the hard landing:

- There was no damage or buckling to the aft fuselage or tailboom
- There was no damage or deformation to the keel beams or lower structure including the landing gear attachment points
- There was no damage to the X-frames or transmission deck
- The landing gear was spread to more than 100 inches, and both crosstubes were deformed
- The forward belly panel incurred minor damage from contact with the forward crosstube
- The aft fuselage closeout panels incurred minor denting from contact with the aft crosstube