



Aviation Investigation Final Report

Location:	Griffin, Georgia	Accident Number:	GAA16CA254
Date & Time:	May 22, 2016, 15:00 Local	Registration:	N36SR
Aircraft:	Beech A36	Aircraft Damage:	Substantial
Defining Event:	Runway excursion	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

According to the pilot, during landing with fifty percent flaps, in gusting wind conditions, the airplane was too fast as she approached the runway and she aborted the landing. She reported that during the second approach with flaps in the same configuration, she touched down normally, applied the brakes during the landing roll, but could not stop the airplane before exiting the departure end of the runway. The airplane crossed a highway and collided with an embankment. The airplane sustained substantial damage to the fuselage.

The pilot reported that there were not any mechanical malfunctions or anomalies with any portion of the airplane that would have prevented normal flight operations.

According to the Automated Weather Observation System (AWOS) that was available to the pilot for the accident airport, the weather at the time of the accident was reported as: K6A2 221855Z AUTO 34008G14KT 10SM CLR 25/12 A2995 RMK AO2. The pilot landed on runway 18.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

The pilot's decision to land with a tailwind, resulting in a runway overrun and collision with a highway road embankment.

Findings

Personnel issues	Aircraft control - Pilot
Personnel issues	Decision making/judgment - Pilot
Environmental issues	Tailwind - Decision related to condition
Environmental issues	(general) - Contributed to outcome
Aircraft	Surface speed/braking - Not attained/maintained

Factual Information

History of Flight

Landing-landing roll	Runway excursion (Defining event)
Landing-landing roll	Landing gear collapse
Landing-landing roll	Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Private	Age:	78,Female
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	May 5, 2016
Occupational Pilot:	No	Last Flight Review or Equivalent:	April 3, 2015
Flight Time:	(Estimated) 4664 hours (Total, all aircraft), 3282 hours (Total, this make and model), 4652 hours (Pilot In Command, all aircraft), 28 hours (Last 90 days, all aircraft), 16 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Beech	Registration:	N36SR
Model/Series:	A36 UNDESIGNAT	Aircraft Category:	Airplane
Year of Manufacture:	1977	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	E-1096
Landing Gear Type:	Retractable - Tricycle	Seats:	6
Date/Type of Last Inspection:	June 23, 2015 Annual	Certified Max Gross Wt.:	3600 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	4923 Hrs at time of accident	Engine Manufacturer:	Continental
ELT:	C126 installed, not activated	Engine Model/Series:	IO-520-BB12B
Registered Owner:	On file	Rated Power:	285 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	K6A2,959 ft msl	Distance from Accident Site:	7 Nautical Miles
Observation Time:	18:55 Local	Direction from Accident Site:	105°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	8 knots / 14 knots	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	340°	Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	29.95 inches Hg	Temperature/Dew Point:	25°C / 12°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Fort Worth, TX (FTW)	Type of Flight Plan Filed:	IFR
Destination:	Griffin, GA (GA62)	Type of Clearance:	VFR flight following
Departure Time:	09:28 Local	Type of Airspace:	Class G

Airport Information

Airport:	CEDAR RIDGE GA62	Runway Surface Type:	Asphalt
Airport Elevation:	820 ft msl	Runway Surface Condition:	Dry
Runway Used:	18L	IFR Approach:	None
Runway Length/Width:	3000 ft / 40 ft	VFR Approach/Landing:	Full stop;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	33.255001,-84.400276(est)

Administrative Information

Investigator In Charge (IIC):	Hicks, Michael
Additional Participating Persons:	Danny Cox; FAA; Atlanta, GA
Original Publish Date:	September 12, 2016
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=93229

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