



National Transportation Safety Board Aviation Accident Final Report

Location:	Lake in Hills, IL	Accident Number:	CHI02LA115
Date & Time:	04/01/2002, 0515 CST	Registration:	N502CL
Aircraft:	Cessna 551	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 None

Flight Conducted Under: Part 91: General Aviation - Positioning

Analysis

The airplane struck a deer during an aborted takeoff. The pilot stated that, during the takeoff roll, he and the second pilot saw five deer on the north side of the runway. He said that they aborted the takeoff but during roll out, at 60 kts, another deer, that was on the south side of the runway, ran into the path of the airplane. The pilot stated that the takeoff was being performed at early dawn.

Probable Cause and Findings

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

Findings

Occurrence #1: ON GROUND/WATER COLLISION WITH OBJECT
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

1. (C) OBJECT - ANIMAL(S)

Factual Information

On April 1, 2002, at 0515 central standard time, a Cessna 551, N502CL, piloted by an airline transport pilot, sustained substantial damage when it struck a deer during an aborted takeoff from runway 26 (3,058 feet by 50 feet, asphalt), at the Lake in the Hills Airport, Lake in the Hills, Illinois. The positioning flight was conducted under the provisions of 14 CFR Part 91 and was on an instrument flight rules flight plan. Visual meteorological conditions prevailed at the time of the accident. The flight was originating at the time of the accident and the intended destination was the Wichita Mid-Continent Airport, Wichita, Kansas.

In a written report, the pilot stated that, during the takeoff roll, he and the second pilot saw five deer on the north side of the runway. He said that they aborted the takeoff but during roll out, at 60 knots, another deer, that was on the south side of the runway, ran into the path of the airplane. The pilot stated that the takeoff was was being performed at early dawn.

Pilot Information

Certificate:	Airline Transport; Flight Instructor; Commercial	Age:	29, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane Single-engine	Toxicology Performed:	No
Medical Certification:	Class 1 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	11/05/2001
Occupational Pilot:		Last Flight Review or Equivalent:	02/15/2002
Flight Time:	4588 hours (Total, all aircraft), 1674 hours (Total, this make and model), 3618 hours (Pilot In Command, all aircraft), 191 hours (Last 90 days, all aircraft), 67 hours (Last 30 days, all aircraft), 8 hours (Last 24 hours, all aircraft)		

Co-Pilot Information

Certificate:	Airline Transport; Flight Instructor; Commercial	Age:	28, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Right
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine	Toxicology Performed:	No
Medical Certification:	Class 1 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	08/07/2001
Occupational Pilot:		Last Flight Review or Equivalent:	08/07/2001
Flight Time:	2500 hours (Total, all aircraft), 175 hours (Total, this make and model), 1600 hours (Pilot In Command, all aircraft), 134 hours (Last 90 days, all aircraft), 54 hours (Last 30 days, all aircraft), 8 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N502CL
Model/Series:	551	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	551-0002
Landing Gear Type:	Retractable - Tricycle	Seats:	10
Date/Type of Last Inspection:	03/18/2002, AAIP	Certified Max Gross Wt.:	12700 lbs
Time Since Last Inspection:	10 Hours	Engines:	2 Turbo Fan
Airframe Total Time:	8093 Hours at time of accident	Engine Manufacturer:	Pratt & Whitney
ELT:	Not installed	Engine Model/Series:	JT 15D-4
Registered Owner:	Stephenson Aviation Trust	Rated Power:	2500 lbs
Operator:	NORTHERN ILLINOIS FLIGHT CENTER INC	Operating Certificate(s) Held:	On-demand Air Taxi (135)
Operator Does Business As:		Operator Designator Code:	NTFA

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Dawn
Observation Facility, Elevation:	DPA, 755 ft msl	Distance from Accident Site:	18 Nautical Miles
Observation Time:	0553 CST	Direction from Accident Site:	170°
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	210°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.02 inches Hg	Temperature/Dew Point:	3°C / -6°C
Precipitation and Obscuration:			
Departure Point:	Lake in Hills, IL (3CK)	Type of Flight Plan Filed:	IFR
Destination:	WICHITA, KS (ICT)	Type of Clearance:	IFR
Departure Time:	0515 CST	Type of Airspace:	Class G

Airport Information

Airport:	LAKE IN THE HILLS (3CK)	Runway Surface Type:	Asphalt
Airport Elevation:	888 ft	Runway Surface Condition:	Dry
Runway Used:	26	IFR Approach:	None
Runway Length/Width:	3058 ft / 50 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	John M Brannen	Report Date:	08/28/2002
Additional Participating Persons:	Robert Donahue; FAA-West Chicago, IL-FSDO; West Chicago, IL		
Publish Date:			
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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