



National Transportation Safety Board Aviation Accident Final Report

Location:	Grand Forks, ND	Accident Number:	CHI08CA002
Date & Time:	10/03/2007, 1206 CDT	Registration:	N437ND
Aircraft:	Piper PA28-161	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The student pilot, on his first solo flight, reported that the tower controller requested the pilot turn on exit A2. The pilot reported that while he tried to comply with tower's request, the airplane was still at 20-30 knots airspeed when he attempted the turn. The aircraft went off the runway into the grass and impacted the runway hold short sign with the left wing. There were no injuries. The pilot reported no mechanical malfunction.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The lack of experience and the excessive taxi speed by the pilot. A contributing factors was the airport sign.

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: TAXI

Findings

1. TERRAIN CONDITION - GRASS
2. (C) TAXISPEED - EXCESSIVE - PILOT IN COMMAND
3. (C) LACK OF EXPERIENCE - PILOT IN COMMAND

Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: TAXI

Occurrence #3: ON GROUND/WATER COLLISION WITH OBJECT
Phase of Operation: TAXI

Findings

4. (F) OBJECT - AIRPORT SIGN/MARKER

Factual Information

Student Pilot Information

Certificate:	Student	Age:	19, Male
Airplane Rating(s):	None	Seat Occupied:	
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 1 Without Waivers/Limitations	Last Medical Exam:	08/01/2007
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	16 hours (Total, all aircraft), 16 hours (Total, this make and model), 1 hours (Pilot In Command, all aircraft), 16 hours (Last 90 days, all aircraft), 16 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	Piper	Registration:	N437ND
Model/Series:	PA28-161	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	2842214
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	09/01/2007, AAIP	Certified Max Gross Wt.:	2247 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	3191 Hours	Engine Manufacturer:	Textron Lycoming
ELT:	Not installed	Engine Model/Series:	O-320-D3G
Registered Owner:	University of North Dakota	Rated Power:	160 hp
Operator:	University of North Dakota	Air Carrier Operating Certificate:	None

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KGFK	Observation Time:	1153
Distance from Accident Site:		Condition of Light:	Day
Direction from Accident Site:		Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Few / 12000 ft agl	Temperature/Dew Point:	17°C / 1°C
Lowest Ceiling:	Broken / 25000 ft agl	Visibility	10 Miles
Wind Speed/Gusts, Direction:	12 knots/ 17 knots, 220°	Visibility (RVR):	
Altimeter Setting:	29.66 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:			
Departure Point:	Grand Forks, ND (KGFK)	Type of Flight Plan Filed:	None
Destination:	Grand Forks, ND (KGFK)	Type of Clearance:	None
Departure Time:	CDT	Type of Airspace:	

Airport Information

Airport:		Runway Surface Type:	
Airport Elevation:		Runway Surface Condition:	
Runway Used:		IFR Approach:	
Runway Length/Width:		VFR Approach/Landing:	

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None		

Administrative Information

Investigator In Charge (IIC):	Mitch Gallo	Adopted Date:	10/31/2007
Additional Participating Persons:	Karmen Johnson; FAR FSDO/ FAA-ACE-ROC		
Publish Date:			
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
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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