



National Transportation Safety Board Aviation Accident Data Summary

Location:	Lantana, FL	Accident Number:	MIA07CA090
Date & Time:	05/02/2007, 1150 EST	Registration:	N7273M
Aircraft:	Cessna 172R	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The student pilot stated that four full stop landings with the instructor were conducted before the solo endorsement was issued. After the first solo flight in the pattern, a go around was executed to give way for landing traffic. The second solo flight around the pattern went very well; final approach and landing went smoothly, and on target. During the landing roll, he applied brake pressure in addition to pulling back completely on the control yoke to induce aerodynamic braking with the elevator. As braking was applied, the airplane began to veer to the right. Full braking was applied; however, the airplane continued the right turn on to the grass. Attempts were made to avoid the electrical equipment boxes located in the grass. The airplane missed the far left two but came in contact with the far right box with the airplane's left main landing gear causing complete collapse. The aircraft came to rest in the field on its left wing. He secured the airplane and immediately exited. The student pilot stated there were no mechanical failures or malfunctions to the airplane or any of its systems prior to the accident.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The student pilot's failure to maintain directional control of the airplane during landing roll.

Findings

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

Findings

1. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #2: ON GROUND/WATER COLLISION WITH OBJECT
Phase of Operation: LANDING - ROLL

Findings

2. OBJECT - AIRPORT FACILITY

Pilot Information

Certificate:	Student	Age:	45
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	31 hours (Total, all aircraft), 26 hours (Total, this make and model), 31 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	Cessna	Registration:	N7273M
Model/Series:	172R	Engines:	1 Reciprocating
Operator:	Palm Beach Fight Training	Engine Manufacturer:	Lycoming
Air Carrier Operating Certificate:	None	Engine Model/Series:	IO-360-L2A
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KPBI, 19 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	5 knots, 170°
Temperature:	26° C / 20° C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Lantana, FL (LNA)	Destination:	

Airport Information

Airport:	PALM BEACH COUNTY PARK (LNA)	Runway Surface Type:	Asphalt
Runway Used:	03	Runway Surface Condition:	Dry
Runway Length/Width:	3256 ft / 75 ft		

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

Administrative Information

Investigator In Charge (IIC):	Jose Obregon	Adopted Date:	08/30/2007
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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