



National Transportation Safety Board Aviation Accident Final Report

Location:	Pembroke Pines, FL	Accident Number:	GAA20CA067
Date & Time:	11/12/2019, 0951 EST	Registration:	N739UA
Aircraft:	Cessna 172	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The solo student pilot reported that, during landing, the airplane touched down hard and veered left. He applied right aileron and rudder control, but the airplane continued left, exited the runway, and struck a taxiway sign. The airplane sustained substantial damage to the left wing. The student reported that there were no preaccident mechanical failures or malfunctions with the airplane that would have precluded normal operation.

Probable Cause and Findings

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

The student pilot's failure to maintain directional control during landing, which resulted in a runway excursion and impact with a taxiway sign.

Findings

Aircraft	Directional control - Not attained/maintained (Cause)
Personnel issues	Aircraft control - Student pilot (Cause)
Environmental issues	Sign/marker - Effect on operation (Cause)

Factual Information

History of Flight

Landing	Hard landing Loss of control on ground (Defining event) Runway excursion Collision with terr/obj (non-CFIT)
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Student Pilot Information

Certificate:	Student	Age:	19, Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 1 With Waivers/Limitations	Last FAA Medical Exam:	07/01/2019
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	(Estimated) 72 hours (Total, all aircraft), 30 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N739UA
Model/Series:	172 N	Aircraft Category:	Airplane
Year of Manufacture:	1978	Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	17270806
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	10/03/2019, 100 Hour	Certified Max Gross Wt.:	2299 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	19690.2 Hours as of last inspection	Engine Manufacturer:	Lycoming
ELT:	Installed, not activated	Engine Model/Series:	O-320-E2D
Registered Owner:	Delaware Trust Co Trustee	Rated Power:	
Operator:	Wayman Aviation Academy	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	KHWO, 9 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1453 UTC	Direction from Accident Site:	184°
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	180°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	28° C / 19° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Pembroke Pines, FL (HWO)	Type of Flight Plan Filed:	None
Destination:	Pembroke Pines, FL (HWO)	Type of Clearance:	None
Departure Time:	EST	Type of Airspace:	Class D

Airport Information

Airport:	North Perry (HWO)	Runway Surface Type:	Asphalt
Airport Elevation:	8 ft	Runway Surface Condition:	Dry
Runway Used:	10R	IFR Approach:	None
Runway Length/Width:	3255 ft / 100 ft	VFR Approach/Landing:	Stop and Go

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	Latitude, Longitude:	26.001111, -80.240833 (est)

Administrative Information

Investigator In Charge (IIC):	Eleazar Nepomuceno	Report Date:	05/21/2020
Additional Participating Persons:	Anthony Saavedra; FAA; Miramar, FL		
Publish Date:	05/21/2020		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=100552		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).