



National Transportation Safety Board Aviation Accident Final Report

Location:	Manchester, NH	Accident Number:	GAA19CA524
Date & Time:	09/01/2019, 1657 EDT	Registration:	N7777W
Aircraft:	PIPER PA 28-180	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The student pilot reported that, during landing with a crosswind, the airplane veered left. He then applied the brakes, but the airplane continued to veer left. The airplane exited the runway, impacted precision approach path indicator lights, and came to rest in grass.

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.

The airport's automated weather observation station reported that, about the time of the accident, the wind was from 130° at 10 knots. The student was landing the airplane on runway 06.

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 with a crosswind, which resulted in a runway excursion and impact with approach lights.

Findings

Aircraft	Directional control - Not attained/maintained (Cause)
Personnel issues	Aircraft control - Student pilot (Cause)
Environmental issues	Crosswind - Effect on operation (Cause) Runway/taxi/approach light - Effect on operation (Cause)

Factual Information

History of Flight

Landing	Other weather encounter Loss of control on ground (Defining event) Attempted remediation/recovery Runway excursion Collision with terr/obj (non-CFIT)
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Pilot Information

Certificate:	Student	Age:	47, 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 3 With Waivers/Limitations	Last FAA Medical Exam:	06/27/2018
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	(Estimated) 94 hours (Total, all aircraft), 41 hours (Total, this make and model), 21 hours (Pilot In Command, all aircraft), 54 hours (Last 90 days, all aircraft), 13 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N7777W
Model/Series:	PA 28-180 No Series	Aircraft Category:	Airplane
Year of Manufacture:	1964	Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	28-1781
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	08/12/2019, Annual	Certified Max Gross Wt.:	2400 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	3845.24 Hours as of last inspection	Engine Manufacturer:	Lycoming
ELT:	C91 installed, not activated	Engine Model/Series:	O-250-A3A
Registered Owner:	James J Wolak	Rated Power:	180 hp
Operator:	Ammon Roadable Aircraft, Llc	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	KMHT, 232 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	2053 UTC	Direction from Accident Site:	278°
Lowest Cloud Condition:	Scattered / 4500 ft agl	Visibility	10 Miles
Lowest Ceiling:	Broken / 12000 ft agl	Visibility (RVR):	
Wind Speed/Gusts:	10 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	130°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.31 inches Hg	Temperature/Dew Point:	22° C / 12° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Manchester, NH (MHT)	Type of Flight Plan Filed:	None
Destination:	Manchester, NH (MHT)	Type of Clearance:	VFR
Departure Time:	1657 EDT	Type of Airspace:	Class C

Airport Information

Airport:	Manchester (MHT)	Runway Surface Type:	Asphalt
Airport Elevation:	266 ft	Runway Surface Condition:	Dry
Runway Used:	06	IFR Approach:	None
Runway Length/Width:	7651 ft / 150 ft	VFR Approach/Landing:	Touch and Go; Traffic Pattern

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:	42.932778, -71.435833 (est)

Administrative Information

Investigator In Charge (IIC):	Eric M Gutierrez	Report Date:	02/11/2020
Additional Participating Persons:	Lionel L Stevens; FAA; Portland, ME		
Publish Date:	02/11/2020		
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=100199		

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