



Aviation Investigation Final Report

Location:	Manchester, West Virginia	Accident Number:	GAA19CA018
Date & Time:	October 7, 2018, 14:11 Local	Registration:	N49WV
Aircraft:	Piper PA 16	Aircraft Damage:	Substantial
Defining Event:	Runway incursion veh/AC/person	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot of the tailwheel-equipped airplane reported that, while on final approach, he noticed a vehicle stopped short of the runway on a road that intersected the runway. After touchdown, while taxiing and about 40 ft from the intersection, the vehicle slowly drove on the runway. The pilot veered the airplane left to avoid the vehicle, and the airplane exited the runway to the left.

The airplane sustained substantial damage to the left wing and firewall.

The pilot reported that there were no preaccident mechanical failures or malfunctions with the airplane that would have precluded normal operation.

The pilot added that he assumed that the driver could see the landing airplane.

Probable Cause and Findings

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

A vehicle's incursion onto an active runway, which resulted in an evasive action by the pilot landing an airplane on that runway and a subsequent runway excursion.

Findings

Environmental issues

Ground vehicle - Effect on operation

Factual Information

History of Flight

Taxi-to runway	Runway incursion veh/AC/person (Defining event)
Taxi-to runway	Abrupt maneuver

Pilot Information

Certificate:	Private	Age:	58,Male
Airplane Rating(s):	Single-engine land; Single-engine sea	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without waivers/limitations	Last FAA Medical Exam:	March 28, 2018
Occupational Pilot:	No	Last Flight Review or Equivalent:	March 11, 2018
Flight Time:	(Estimated) 201 hours (Total, all aircraft), 33 hours (Total, this make and model), 201 hours (Pilot In Command, all aircraft), 46 hours (Last 90 days, all aircraft), 3 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Piper	Registration:	N49WV
Model/Series:	PA 16 No Series	Aircraft Category:	Airplane
Year of Manufacture:	1949	Amateur Built:	
Airworthiness Certificate:	Normal; Utility	Serial Number:	16-723
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	December 6, 2017 Annual	Certified Max Gross Wt.:	1650 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	4741 Hrs at time of accident	Engine Manufacturer:	Lycoming
ELT:	C91 installed, not activated	Engine Model/Series:	O-290-C2A
Registered Owner:		Rated Power:	150 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument (IMC)	Condition of Light:	Day
Observation Facility, Elevation:	KPIT,1203 ft msl	Distance from Accident Site:	15 Nautical Miles
Observation Time:	17:51 Local	Direction from Accident Site:	101°
Lowest Cloud Condition:		Visibility	10 miles
Lowest Ceiling:	Broken / 3200 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	7 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	220°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.2 inches Hg	Temperature/Dew Point:	28°C / 20°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Manchester, WV (7G1)	Type of Flight Plan Filed:	None
Destination:	Manchester, WV (7G1)	Type of Clearance:	None
Departure Time:		Type of Airspace:	Class G

Airport Information

Airport:	Herron 7G1	Runway Surface Type:	Asphalt
Airport Elevation:	1226 ft msl	Runway Surface Condition:	Dry
Runway Used:	22	IFR Approach:	None
Runway Length/Width:	2030 ft / 20 ft	VFR Approach/Landing:	Full stop;Straight-in;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	40.533054,-80.541114(est)

Administrative Information

Investigator In Charge (IIC):	Nepomuceno, Eleazar
Additional Participating Persons:	Bradley McCauley; FAA; Charleston, WV
Original Publish Date:	September 26, 2019
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=98464

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](#).