



# Aviation Investigation Final Report

<b>Location:</b>	Shreveport, Louisiana	<b>Accident Number:</b>	CEN11CA171
<b>Date &amp; Time:</b>	January 28, 2011, 16:33 Local	<b>Registration:</b>	N5929t
<b>Aircraft:</b>	Cessna 172R	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Instructional		

## Analysis

The student pilot reported that during a full-stop landing the airplane veered hard to the right shortly after the nosewheel touched down. He attempted to maintain directional control using the left brake, but the airplane exited the runway and struck a runway sign, substantially damaging the firewall. Postaccident examination of the airplane did not reveal any preaccident mechanical anomalies to explain the loss of directional control. The wind in the area was between calm and 5 knots at the time of the accident.

## Probable Cause and Findings

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

## Findings

<b>Aircraft</b>	Directional control - Not attained/maintained
<b>Personnel issues</b>	Aircraft control - Pilot

## Factual Information

### History of Flight

Landing-landing roll	Loss of control on ground (Defining event)
Landing-landing roll	Runway excursion

### Student pilot Information

Certificate:	Student	Age:	25
Airplane Rating(s):	None	Seat Occupied:	
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	Last FAA Medical Exam:	
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	23 hours (Total, all aircraft), 23 hours (Total, this make and model)		

### Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N5929t
Model/Series:	172R	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	17281105
Landing Gear Type:		Seats:	4
Date/Type of Last Inspection:		Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	LYCOMING
ELT:		Engine Model/Series:	TIO-360 SER
Registered Owner:	On file	Rated Power:	282 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>		<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>		<b>Visibility</b>	
<b>Lowest Ceiling:</b>		<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	5 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	240°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>	Shreveport, LA (SHV )	<b>Type of Flight Plan Filed:</b>	Unknown
<b>Destination:</b>	Shreveport, LA (SHV )	<b>Type of Clearance:</b>	Unknown
<b>Departure Time:</b>		<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	Shreveport Municipal Airport SHV	<b>Runway Surface Type:</b>	
<b>Airport Elevation:</b>		<b>Runway Surface Condition:</b>	
<b>Runway Used:</b>	14	<b>IFR Approach:</b>	Visual
<b>Runway Length/Width:</b>		<b>VFR Approach/Landing:</b>	

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	32.446388,-93.825553(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Baker, Daniel
<b>Additional Participating Persons:</b>	John Ickles; FAA; Baton Rouge, LA
<b>Original Publish Date:</b>	June 8, 2011
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=78272">https://data.nts.gov/Docket?ProjectID=78272</a>

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