



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	Murphysboro, IL	<b>Accident Number:</b>	CEN13CA151
<b>Date &amp; Time:</b>	02/01/2013, 1400 CST	<b>Registration:</b>	N546A
<b>Aircraft:</b>	CESSNA 172	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

## Analysis

The private pilot was attempting a soft field takeoff on a paved runway. He advanced the throttle to the full forward position and applied full back pressure on the flight controls to begin the takeoff roll. However, the airplane veered to the left. The pilot tried to counteract the veer by applying right rudder and when that was unsuccessful, elected to reject the takeoff. The airplane's horizontal stabilizer was substantially damaged when the airplane exited the runway and struck a frangible airport sign. Postaccident examination revealed no mechanical malfunctions or anomalies with the airplane that would have precluded normal operation.

## Flight Events

Takeoff-rejected takeoff - Attempted remediation/recovery  
Takeoff-rejected takeoff - Runway excursion

## Probable Cause

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

## Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Directional control-Not attained/maintained - C  
Personnel issues-Action/decision-Action-Incorrect action performance-Pilot - C

## Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	27
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Instrument Rating(s):</b>	None
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	167 hours (Total, all aircraft), 38 hours (Total, this make and model), 66 hours (Pilot In Command, all aircraft), 21 hours (Last 90 days, all aircraft), 9 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	CESSNA	<b>Registration:</b>	N546A
<b>Model/Series:</b>	172 R	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	Southern Illinois University	<b>Engine Manufacturer:</b>	LYCOMING
<b>Air Carrier Operating Certificate:</b>	None	<b>Engine Model/Series:</b>	O360
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

## Meteorological Information and Flight Plan

<b>Observation Facility, Elevation:</b>	kmdh, 411 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Lowest Ceiling:</b>	None
<b>Condition of Light:</b>	Day	<b>Wind Speed/Gusts, Direction:</b>	5 knots, 290°
<b>Temperature:</b>	-2°C / -16°C	<b>Visibility</b>	10 Miles
<b>Precipitation and Obscuration:</b>	No Precipitation		
<b>Departure Point:</b>	Carbondale, IL (MDH)	<b>Destination:</b>	Carbondale, IL (MDH)

## Airport Information

<b>Airport:</b>	Southern Illinois Airport (MDH)	<b>Runway Surface Type:</b>	Asphalt
<b>Runway Used:</b>	18R	<b>Runway Surface Condition:</b>	Dry
<b>Runway Length/Width:</b>	3498 ft / 60 ft		

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	N/A	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Joshua D Lindberg	<b>Adopted Date:</b>	04/10/2013
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.		
<b>Investigation Docket:</b>	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=86146">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=86146</a>		

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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.