



# Aviation Investigation Final Report

<b>Location:</b>	Cahokia, Illinois	<b>Accident Number:</b>	GAA15CA183
<b>Date &amp; Time:</b>	June 30, 2015, 10:30 Local	<b>Registration:</b>	N3888C
<b>Aircraft:</b>	Cessna 180	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Flight test		

## Analysis

The pilot reported that during the landing roll the airplane veered to the right and ground looped. The airplane sustained substantial damage to the left wing, left aileron, left horizontal stabilizer, and left elevator.

The pilot reported no preimpact mechanical failures or malfunctions with the airframe or engine 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 pilot's failure to maintain directional control during the landing roll which resulted in a ground loop.

## Findings

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

## Factual Information

### History of Flight

<b>Landing-landing roll</b>	Loss of control on ground (Defining event)
<b>Landing-landing roll</b>	Collision with terr/obj (non-CFIT)

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	73
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	4-point
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 With waivers/limitations	<b>Last FAA Medical Exam:</b>	May 20, 2015
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	August 1, 2013
<b>Flight Time:</b>	0 hours (Total, all aircraft), 0 hours (Total, this make and model)		

### Passenger Information

<b>Certificate:</b>		<b>Age:</b>	
<b>Airplane Rating(s):</b>		<b>Seat Occupied:</b>	Right
<b>Other Aircraft Rating(s):</b>		<b>Restraint Used:</b>	4-point
<b>Instrument Rating(s):</b>		<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>		<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>		<b>Last FAA Medical Exam:</b>	
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>			

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N3888C
<b>Model/Series:</b>	180	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	1954	<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal; Provisional (Special)	<b>Serial Number:</b>	31036
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	June 1, 2013 Annual	<b>Certified Max Gross Wt.:</b>	2500 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	2000 Hrs as of last inspection	<b>Engine Manufacturer:</b>	CONTINENTAL MOTORS
<b>ELT:</b>	C91 installed, not activated	<b>Engine Model/Series:</b>	O-470-A
<b>Registered Owner:</b>	On file	<b>Rated Power:</b>	225 Horsepower
<b>Operator:</b>	On file	<b>Operating Certificate(s) Held:</b>	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>	KCPS,413 ft msl	<b>Distance from Accident Site:</b>	0 Nautical Miles
<b>Observation Time:</b>	14:53 Local	<b>Direction from Accident Site:</b>	100°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	5 knots /	<b>Turbulence Type Forecast/Actual:</b>	/ None
<b>Wind Direction:</b>	250°	<b>Turbulence Severity Forecast/Actual:</b>	/ N/A
<b>Altimeter Setting:</b>	29.9 inches Hg	<b>Temperature/Dew Point:</b>	24°C / 20°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Cahokia, IL (CPS)	<b>Type of Flight Plan Filed:</b>	VFR
<b>Destination:</b>	Cahokia, IL (CPS)	<b>Type of Clearance:</b>	VFR
<b>Departure Time:</b>	10:00 Local	<b>Type of Airspace:</b>	Class D

## Airport Information

<b>Airport:</b>	ST LOUIS DOWNTOWN CPS	<b>Runway Surface Type:</b>	Concrete
<b>Airport Elevation:</b>	412 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	12L	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	5301 ft / 75 ft	<b>VFR Approach/Landing:</b>	Stop and go;Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	38.571388,-90.159721(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Bigelow, Bradley
<b>Additional Participating Persons:</b>	Louie Bettis; Federal Aviation Administration; St. Louis, MO
<b>Original Publish Date:</b>	August 12, 2015
<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=91556">https://data.nts.gov/Docket?ProjectID=91556</a>

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