



# Aviation Investigation Final Report

<b>Location:</b>	Guttenberg, Iowa	<b>Accident Number:</b>	GAA17CA317
<b>Date &amp; Time:</b>	June 3, 2017, 14:00 Local	<b>Registration:</b>	N34462
<b>Aircraft:</b>	Cessna 177	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Miscellaneous/other	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The pilot reported that, during final, "all seemed normal until [he] felt the plane drop." He added that he heard the stall warning horn chirp and added full power "[too] late." The left wing sheared off after impacting a street sign, and the airplane came to rest on the left side of the runway.

The airplane sustained substantial damage to the left wing.

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

A review of recorded data from the automated weather observation station located about 12 miles north of the accident airport revealed that, about the time of the accident, the wind was from 210° at 9 knots. The airplane was landing on runway 17.

## 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 an adequate approach path, which resulted in the left wing impacting a street sign.

## Findings

<b>Aircraft</b>	Descent/approach/glide path - Not attained/maintained
<b>Personnel issues</b>	Aircraft control - Pilot
<b>Environmental issues</b>	Sign/marker - Effect on equipment

## Factual Information

### History of Flight

Approach-VFR pattern final	Miscellaneous/other (Defining event)
Approach-VFR pattern final	Attempted remediation/recovery
Approach-VFR pattern final	Collision with terr/obj (non-CFIT)

### Pilot Information

Certificate:	Private	Age:	61,Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Unknown
Other Aircraft Rating(s):	None	Restraint Used:	Unknown
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:	November 23, 2016
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:			

### Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N34462
Model/Series:	177 B	Aircraft Category:	Airplane
Year of Manufacture:	1972	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	17701819
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	January 24, 2017 Annual	Certified Max Gross Wt.:	2500 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	5769.6 Hrs as of last inspection	Engine Manufacturer:	LYCOMING
ELT:	Installed	Engine Model/Series:	O-360-A1F6D
Registered Owner:		Rated Power:	180 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>	KPDC,661 ft msl	<b>Distance from Accident Site:</b>	12 Nautical Miles
<b>Observation Time:</b>	18:55 Local	<b>Direction from Accident Site:</b>	355°
<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>	9 knots /	<b>Turbulence Type Forecast/Actual:</b>	/ None
<b>Wind Direction:</b>	210°	<b>Turbulence Severity Forecast/Actual:</b>	/ N/A
<b>Altimeter Setting:</b>	29.92 inches Hg	<b>Temperature/Dew Point:</b>	32°C / 12°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	DAVENPORT, IA (DVN )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Guttenberg, IA (IA23)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	15:15 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	GAA PRIVATE IA23	<b>Runway Surface Type:</b>	Grass/turf
<b>Airport Elevation:</b>	620 ft msl	<b>Runway Surface Condition:</b>	Dry;Vegetation
<b>Runway Used:</b>	17	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	2540 ft / 160 ft	<b>VFR Approach/Landing:</b>	Full stop;Traffic pattern

## 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>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	42.8125,-91.098892(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Benhoff, Kathryn
<b>Additional Participating Persons:</b>	Dan Michaelson; FAA; Des Moines, IA
<b>Original Publish Date:</b>	August 3, 2017
<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=95293">https://data.nts.gov/Docket?ProjectID=95293</a>

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