



# Aviation Investigation Final Report

<b>Location:</b>	ANDERSON, Indiana	<b>Accident Number:</b>	CHI90LA124
<b>Date &amp; Time:</b>	May 8, 1990, 16:00 Local	<b>Registration:</b>	N3081W
<b>Aircraft:</b>	BEECH                      A36	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	6 None
<b>Flight Conducted Under:</b>	Part 91: General aviation		

## Analysis

THE PILOT STATED THAT HIS APPROACH TO LANDING AND INITIAL TOUCHDOWN WERE NORMAL AND SMOOTH WITH ADEQUATE COMPENSATION FOR THE GUSTY CROSSWIND CONDITIONS. HE REPORTED THAT JUST AS THE NOSEWHEEL WAS TOUCHING DOWN, A HEAVY GUST STRUCK THE AIRCRAFT, LIFTING IT OFF THE RUNWAY. THE AIRCRAFT BOUNCED HARD ON THE RUNWAY, AND THE NOSE GEAR BROKE OFF. THE AIRCRAFT SKIDDED TO A STOP, NOSE DOWN, ON THE LEFT EDGE OF THE RUNWAY. ON-GOING AIRPORT/RUNWAY CONSTRUCTION PRECLUDED A LANDING ON A RUNWAY MORE ALIGNED WITH THE WIND.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT FAILED TO ADEQUATELY COMPENSATE FOR THE WIND CONDITIONS. THE GUSTY CROSSWIND WAS A FACTOR.

## Findings

Occurrence #1: HARD LANDING  
Phase of Operation: LANDING

### Findings

1. (F) WEATHER CONDITION - CROSSWIND
2. (F) WEATHER CONDITION - GUSTS

3. (C) COMPENSATION FOR WIND CONDITIONS - INADEQUATE - PILOT IN COMMAND  
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Occurrence #2: NOSE GEAR COLLAPSED  
Phase of Operation: LANDING

Findings

4. (F) LANDING GEAR, NOSE GEAR - OVERLOAD

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	39, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	Yes
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Expired	<b>Last FAA Medical Exam:</b>	February 4, 1990
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	348 hours (Total, all aircraft), 162 hours (Total, this make and model), 261 hours (Pilot In Command, all aircraft), 37 hours (Last 90 days, all aircraft), 10 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	BEECH	<b>Registration:</b>	N3081W
<b>Model/Series:</b>	A36 A36	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	E-2372
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	6
<b>Date/Type of Last Inspection:</b>	February 2, 1990 Annual	<b>Certified Max Gross Wt.:</b>	3650 lbs
<b>Time Since Last Inspection:</b>	330 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	403 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	IO-550-B
<b>Registered Owner:</b>	ASTRO ENTERPRISES, INC.	<b>Rated Power:</b>	300 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	None
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	AID ,919 ft msl	<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>	17:21 Local	<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Scattered / 5000 ft AGL	<b>Visibility</b>	15 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	14 knots / 23 knots	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	190°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29 inches Hg	<b>Temperature/Dew Point:</b>	24°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	DUBLIN , VA (PSK )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	VFR
<b>Departure Time:</b>	14:50 Local	<b>Type of Airspace:</b>	Class E

## Airport Information

<b>Airport:</b>	ANDERSON MUNICIPAL AID	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	919 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	12	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	5400 ft / 100 ft	<b>VFR Approach/Landing:</b>	Full stop

## Wreckage and Impact Information

<b>Crew Injuries:</b>	2 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	4 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	6 None	<b>Latitude, Longitude:</b>	40.130134,-85.760772(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Reeves, Jodi
<b>Additional Participating Persons:</b>	G. TEMPLE; INDIANAPOLIS , IN
<b>Original Publish Date:</b>	September 29, 1992
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=14664">https://data.nts.gov/Docket?ProjectID=14664</a>

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