



# National Transportation Safety Board Aviation Accident Data Summary

|                                |                                           |                         |            |
|--------------------------------|-------------------------------------------|-------------------------|------------|
| <b>Location:</b>               | MUSKEGON, MI                              | <b>Accident Number:</b> | CHI91LA037 |
| <b>Date &amp; Time:</b>        | 12/02/1990, 1205 EST                      | <b>Registration:</b>    | N7321B     |
| <b>Aircraft:</b>               | CESSNA 152                                | <b>Injuries:</b>        | 1 None     |
| <b>Flight Conducted Under:</b> | Part 91: General Aviation - Instructional |                         |            |

## Analysis

WHILE PRACTICING TOUCH AND GO LDGS, DURING THE STUDENT PLTS SECOND SOLO FLIGHT, DIRCTIONAL CONTROL WAS LOST. THE ACFT VEERED OFF THE RUNWAY, CARTWHEELED, THEN CAME TO REST INVERTED.

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: DIRECTIONAL CONTROL NOT MAINTAINED BY THE PIC.

## Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER

Phase of Operation: LANDING - ROLL

### Findings

1. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND

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Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER

Phase of Operation: LANDING - ROLL

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Occurrence #3: NOSE OVER

Phase of Operation: OTHER

## Pilot Information

|                                  |                                                                                                                                                                                                                                     |                              |      |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------|
| <b>Certificate:</b>              | Student                                                                                                                                                                                                                             | <b>Age:</b>                  | 24   |
| <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> |      |
| <b>Flight Time:</b>              | 17 hours (Total, all aircraft), 16 hours (Total, this make and model), 2 hours (Pilot In Command, all aircraft), 17 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft) |                              |      |

## Aircraft and Owner/Operator Information

|                                       |                                           |                             |                 |
|---------------------------------------|-------------------------------------------|-----------------------------|-----------------|
| <b>Aircraft Make:</b>                 | CESSNA                                    | <b>Registration:</b>        | N7321B          |
| <b>Model/Series:</b>                  | 152 152                                   | <b>Engines:</b>             | 1 Reciprocating |
| <b>Operator:</b>                      | TULIP CITY AIR SERVICE, INC.              | <b>Engine Manufacturer:</b> | LYCOMING        |
| <b>Operating Certificate(s) Held:</b> | None                                      | <b>Engine Model/Series:</b> | O-235-L2C       |
| <b>Flight Conducted Under:</b>        | Part 91: General Aviation - Instructional |                             |                 |

## Meteorological Information and Flight Plan

|                                         |                   |                                     |                              |
|-----------------------------------------|-------------------|-------------------------------------|------------------------------|
| <b>Conditions at Accident Site:</b>     | Visual Conditions | <b>Condition of Light:</b>          | Day                          |
| <b>Observation Facility, Elevation:</b> | MKG, 628 ft msl   | <b>Weather Information Source:</b>  | Weather Observation Facility |
| <b>Lowest Ceiling:</b>                  | None / 0 ft agl   | <b>Wind Speed/Gusts, Direction:</b> | 9 knots / , 60°              |
| <b>Temperature:</b>                     | -18°C             | <b>Visibility</b>                   | 15 Miles                     |
| <b>Precipitation and Obscuration:</b>   |                   |                                     |                              |
| <b>Departure Point:</b>                 | (MKG)             | <b>Destination:</b>                 |                              |

## Airport Information

|                             |                  |                                  |         |
|-----------------------------|------------------|----------------------------------|---------|
| <b>Airport:</b>             | MUSKEGON (MKG)   | <b>Runway Surface Type:</b>      | Asphalt |
| <b>Runway Used:</b>         | 6                | <b>Runway Surface Condition:</b> | Dry     |
| <b>Runway Length/Width:</b> | 6501 ft / 150 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        |

Latitude, Longitude:

## Administrative Information

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |            |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------|
| <b>Investigator In Charge (IIC):</b> | JOHN R HRUBAN                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Adopted Date:</b> | 10/02/1992 |
| <b>Investigation Docket:</b>         | NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> . |                      |            |

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