EDUCATION

Bachelor of Science, Civil Engineering, University of North Dakota

REGISTRATIONS AND CERTIFICATIONS

- Accredited Traffic Accident Reconstructionist (ACTAR #1593)
- E.I.T., Fundamentals of Engineering Exam (NCEES)
- Certified Survey Technician Level III, Boundary/Construction – (NSPS)
- FAA Part 107 sUAS Pilot

AFFILIATIONS

- Michigan Association of Traffic Accident Investigators (MATAI)
- American Society of Civil Engineers (ASCE)
- National Society of Professional Engineers (NSPE)

LEADERSHIP

Grand Traverse Sheriff's Office
- Lieutenant – Patrol Division, (2014-2023)
- Crash Investigation Team, (2002-2023)
- sUAS Programs, (2021-2023)

PROFESSIONAL SUMMARY

Mr. Giddis is a graduate of the University of North Dakota, an accredited traffic accident reconstructionist, and an engineer in training. He specializes in automotive accident and crash reconstruction services, drawing on his extensive service of over 26 years with the Grand Traverse Sheriff's Office. Mr. Giddis utilizes his civil engineering background and expertise to provide unique insights to clients.

PROFESSIONAL EXPERIENCE

Machin Engineering, Inc, Traverse City, MI (2018-Present)
Grand Traverse Sheriff's Office, Traverse City, MI (1997-2023)
Sandel, Chappel, Schultz, PC, Whitehall, MI (1989-1996)
*Acted as an expert witness for crash reconstruction in Grand Traverse County 13th Circuit and 86th District Courts.

PROFESSIONAL DEVELOPMENT

Northwestern University – Center for Public Safety – Evanston, IL
- sUAS for Crash Investigations, Michigan State Police, 2023
- Photogrammetry for Forensic Mapping, Michigan State Police, 2023

Institute of Police Technology & Management (IPTM) – Jacksonville, FL
- Event Data Recorder use in Traffic Crash Reconstruction Level 2, 2022
- Event Data Recorder use in Traffic Crash Reconstruction Level 1, 2020
- Human Factors in Traffic Crash Reconstruction, 2019
- Event Data Recorder use in Traffic Crash Reconstruction, Technician, 2009

Mapping and Computer Aided Drawing
- Leica Forensic Mapping w/ Total Station and Global Navigation Satellite System, 2019
- Leica Map360 Drawing Basics, 2019
- AutoCAD Civil 3D, 2016
- Visual Statement Edge FX CAD Software Training, 2005

Michigan State University – East Lansing, MI
- Motorcycle Accident Reconstruction & Research, 2013
- Energy Applications in Accident Reconstruction & Research, 2013
- Vision, Night Visibility, and Lighting Requirements, 2002
- Pedestrian Accidents, 2002
- Advanced Traffic Accident Reconstruction, 2001
- Initial and Follow-Up Investigations, 2000
- Commercial Vehicle Accident Investigation, 2000
- Motorcycle Accident Investigations, 2000
- Accident Photography and Perspective Grid Mapping of Evidence, 1998
- Tire Dynamics and Lamp Examination, 1998

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