



Mr. Navarro is a licensed Professional Engineer and Board-Certified Diplomate in Forensic Engineering who practices in the field of Accident Reconstruction. Over the past decade, he has investigated over one thousand accidents and incidents, including automobile accidents and a variety of premises related incidents. He has offered expert witness testimony by way of deposition and trial.

Mr. Navarro is a Fully Accredited Traffic Accident Reconstructionist and has reconstructed motor vehicle accidents involving passenger vehicles, commercial vehicles, buses, recreational vehicles, motorcycles, industrial vehicles, forklifts, bicycles, and pedestrians. He has advanced training in human factors related to vehicle drivers, work zone traffic control, imaging EDR "black box" data from vehicles, and collection/preservation of evidence. He holds a motorcycle endorsement and forklift operator certification.

Mr. Navarro has performed over one hundred investigations into premises related incidents, including slips/trips and falls and various fatal accidents. He holds certification in the field of walkway safety in tribometry (the science of surface friction measurement) and walkway auditing. From previous professional experience conducting property condition assessments, he has knowledge of building codes, accessibility codes, safety codes, and industry standards that relate to various properties.

EDUCATION

- Bachelor of Science, Summa Cum Laude,
Civil Engineering
University of Florida, 2012

LICENSURE AND CERTIFICATIONS

- Professional Engineer (P.E.),
Florida #82668
Nevada #29990
- Board Certified Diplomate in Forensic Engineering (DFE),
National Academy of Forensic Engineers,
Member #1086M
- Accredited Accident Reconstructionist,
Accreditation Commission for Traffic Accident
Reconstruction (ACTAR),
#3721
- Certified XL Tribometrist (CXLT),
Excel Tribometers, LLC,
Cert. #1505567
- Certified Crash Data Recorder System Technician,
Northwestern University Center for Public Safety
- Certified 3D Scanner,
FARO Technologies
- Certified Forklift Operator,
National Safety Council
- Florida Motorcycle Endorsement,
Florida Department of Highway Safety and Motor
Vehicles
- Temporary Traffic Control Advanced Level,
Metro Florida Safety Council
- Walkway Safety per ASTM F2948-13
Standard Guide for Walkway Auditor Qualifications,
The University of North Texas
- Certified Scuba Diver,
Open Water Scuba Certification, PADI
EANX Diver Certification, NAUI

SPECIALTY EXPERTISE

- **Vehicle Accident Reconstruction[#]**
 - Passenger Vehicles*
 - Motorcycles*
 - Commercial / Heavy Vehicles
 - Buses
 - Bicycles
 - Pedestrians
 - Recreational Vehicles
 - Industrial Vehicles
 - Forklifts*
 - Roadway Construction Zones / M.O.T.[#]
 - EDR "Black Box" Data Downloads[#]
 - Traffic Control Devices / Traffic Signals
 - Advanced Driver Assistance Systems (ADAS)
/ Autonomous Vehicles
 - Roadway Design
- **Premises Liability**
 - Slips / Trips and Falls[#]
 - Walkway and Stairway Safety
 - Ladders and Step Stools
 - Doors
 - Building Code Compliance
 - ADA Regulations
 - Lighting Conditions
 - Pool Drowning Incidents
- **Workplace / Industrial / Construction Accidents**
 - Falls / Fall Protection
 - Forklifts*
 - Electric
 - Internal Combustion Engine
 - Rough Terrain
 - Marine
 - OSHA General Industry Regulations[#]
 - OSHA Construction Regulations[#]

[#]Specialty Accreditation

*Licensed Operator

PROFESSIONAL AFFILIATIONS

- National Academy of Forensic Engineers (NAFE), Member
- Accreditation Commission for Traffic Accident Reconstruction (ACTAR), Member
- National Association of Professional Accident Reconstruction Specialists (NAPARS), Member
- ASTM International:
 - Committee E58 on Forensic Engineering, Member
 - Committee F13 on Pedestrian/Walkway Safety and Footwear, Member
- National Society of Professional Engineers (NSPE), Member

PROFESSIONAL EXPERIENCE

- Kimley-Horn and Associates, Inc.
Project Manager / Forensic Engineer, 2017-Present
Forensic Engineering Analyst, 2013-2016
- E.C. Driver and Associates,
Roadway Engineering Intern, 2012

PROFESSIONAL DEVELOPMENT & TRAINING

- 2023:
- Commercial Vehicle Crash Investigation Level I, IPTM
 - World Reconstruction Exposition 2023, WREX
 - Walkway Safety per ASTM F2948-13, Standard Guide for Walkway Auditor Qualifications, The University of North Texas
 - Slips, Trips, and Falls International Conference 2023, KITE/UHN
 - SAE Accident Reconstruction Digital Summit 2023, SAE International
 - Drones for Engineers, SunCam, Inc.
 - MUTCD, Overview of Highway Traffic Signals, SunCam, Inc.
 - MUTCD, Overview of Pavement Markings, SunCam, Inc.
 - Future Highways – Automated Vehicles, SunCam, Inc.
- 2022:
- Motorcycle Collision Reconstruction, Lightpoint Scientific
 - OSHA 30-Hr Outreach Training for General Industry, University of South Florida OSHA Training Institute
 - Preservation of Crucial Evidence in Commercial Motor Vehicle Crashes, IPTM
 - Powered Industrial Trucks Operator's Permit Course, Sheridan Technical College
- 2021:
- Advanced Human Factors for Traffic Crash Reconstruction, Crash Safety Solutions
 - Pedestrian Safety at Intersections: Planning, Design, and Operations, ASCE
 - Photogrammetry 4 Forensics, Ai2-3D
 - Using Exemplar Vehicle Point Clouds for Improved Collision Investigation and Reconstruction, Leica / Lightpoint
- 2020:
- ADAS to Automated Driving Digital Summit, SAE International
 - Accident Reconstruction, The Autonomous Vehicle and ADAS, SAE International
 - Walking and Working Surfaces, American Safety Council
 - NAFE 2020 Summer Conference, National Academy of Forensic Engineers
 - Forklift Train the Trainer Course, ForkliftCertification.com
 - OSHA 30-Hr Outreach Training for the Construction Industry, University of South Florida OSHA Training Institute
 - OSHA Fall Protection Course, University of South Florida OSHA Training Institute
 - Manual on Uniform Traffic Control Devices (MUTCD), Introduction and Overview of Signs, SunCam, Inc.
 - ADA Standards for Accessible Designs, Ezekiel Enterprises, LLC
 - Florida Building Code 7th Edition: Advanced Course, PDH Academy
- 2019:
- Motorcycle Basic Rider Course, Motorcycle Safety Foundation
 - Forklift Certification Course, National Safety Council
 - Professional Liability Training, Kimley-Horn
- 2018:
- CXLT Certification Program, Excel Tribometers, LLC
 - Certified Hyundai & Kia EDR Specialist, Kimley-Horn
 - Temporary Traffic Control Advanced Level Training, Metro Florida Safety Council / FDOT
- 2017:
- ADA Basic Building Blocks, ADA National Network
 - Human Factors Series, Crash Safety Solutions, Dr. Jeffrey Muttart
 - Low Light & Night-Time Photography, Forensic Pieces
 - MOT Workzone Traffic Control: Intermediate Refresher, Metro Florida Safety Council / FDOT

2016:

- Airfield Pavement Inspection Training, FDOT
- World Reconstruction Exposition 2016, WREX

2015:

- CXLT Certification Program, Excel Tribometers, LLC
- Certified FARO Focus 3D Scanner, FARO
- Certified Accident Investigator, Kimley-Horn

2014:

- Crash Data Recorder System Technician 1 & 2 Training, Northwestern University / Collision Safety Institute
- Traffic Crash Reconstruction 1, Northwestern University
- PC-Crash Theory: Collision Model, MEA Forensics
- PC-Crash Theory & Validation: Staged Collisions, MEA Forensics
- Maintenance of Traffic Intermediate Level Training, Florida International University / FDOT

2013:

- Airfield Pavement Inspection Training, FDOT
- Fall Protection Training, Safety & Risk Solutions
- OSHA Subpart L: Suspended Scaffold Training, Safety & Risk Solutions
- Permit Required Confined Space Entry Training, OSHA