



John P. Edelen, MS
Engineer / Research and Testing
Accident Reconstruction

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Mr. Edelen holds a Bachelor of Science and Master of Science in Engineering Mechanical from the Colorado School of Mines. John also holds an Associate of Applied Science in Precision Machining from Red Rocks Community College.

His graduate work at the Colorado School of Mines included combustion and heat transfer studies to determine the safety thresholds of materials under thermal loading. Studies included safe storage of combustible materials and hazard/risk assessment of industrial and residential operations.

John, aka JP, has unique experience in both vehicular construction and failure analysis. He has designed structural restraint mounts and interior components for an off-road race truck for BAJA series races capable of exceeding 100 mph on rough terrain. Inherent in this project was the analysis and repair of failed parts to assess cabin safety and vehicle vitality. JP has also taken on the challenge of rebuilding a 1958 Edsel Citation and a 1962 Ford Thunderbird.

JP's automotive experience has quickly made him a valuable contributor as part of VSI's team working on dynamic testing of wheel separation events and resulting vehicle and occupant kinematics. He has completed numerous courses in traffic crash investigation and reconstruction, and received specialized training on Virtual Crash 5 Accident Reconstruction Software. He has certifications for Bosch/Vetronix Crash Data Retrieval (CDR) Technician I, Technician II, and CDR Analyst and System Operator. JP is also a fully accredited Traffic Accident Reconstructionist from the Accreditation Commission for Traffic Accident Reconstruction. JP has testified as an expert witness.

- Master of Science (MS), Engineering Mechanical (Emphasis in Thermal Fluid Energy Systems) – Colorado School of Mines
- Bachelor of Science (BS), Engineering Mechanical – Colorado School of Mines
- Associate of Applied Science (AAS), Precision Machining – Red Rocks Community College

