



## **Casey S. Bryden, M.S.**

### **Senior Engineer**

**Principia Engineering, Inc.  
1917 Oak Park Boulevard  
Pleasant Hill, CA 94523  
(415) 398-3018  
(415) 398-3088 facsimile**

### **Experience**

Mr. Casey Bryden is an Senior Engineer with Principia. He works predominantly on vehicular accident reconstruction, as well as mechanical design failure analysis. Mr. Bryden specializes in motorcycle accident reconstruction, and mechanical failure analysis of bicycle and motorcycle design. He is involved in collection of field data as well as digital data acquisition for measurement and analysis of acceleration and vehicle speed. He also has expertise using computer simulation software for accident reconstruction and analysis.

Prior to working at Principia, Mr. Bryden was an engineer with Boster, Kobayashi and Associates as a consultant for accident reconstruction. Prior to that Mr. Bryden worked as a design engineer in the motorcycle industry for 7 years, as well as a test engineer in the bicycle industry for 2 years. Mr. Bryden has been working in the field of accident reconstruction since 2018.

### **Education and Credentials**

- M.S., Mechanical Engineering, Loyola Marymount University, 2010
- B.S., Mechanical Engineering, Loyola Marymount University, 2009
- Member: American Society of Mechanical Engineers (ASME)
- Member: Society of Automotive Engineers (SAE)
- Member: American Motorcycle Association (AMA)
- FAA Licensed Remote Pilot, 2021
- Motorcycle Safety Foundation Basic Rider Course, January 2012

### **Continuing Education**

- IPTM Bosch CDR Tool Technician Certification, January 2020
- SAE Accessing and Interpreting Heavy Vehicle Event Data Recorders, October 2018
- SAE Vehicle Crash Reconstruction: Principles and Technology, Nov 2018
- PC-Crash online video training on demand modules 001, 101, 102, 201

*(Last updated November 2022)*