



## CURRICULUM VITAE

### Mr. Leslie E. Stone, P.E. Accident Reconstruction & Mechanical Engineering Consultant

#### PROFILE

Highly motivated, personable and technical professional with outstanding credentials as a Mechanical Engineer. Demonstrated accuracy in research and assessment compliance of OSHA, machine design and specifications, hydraulics and other relevant national consensus standards.

- Provides expert witness and litigation support to trial attorneys as a contract consultant in personal injury, negligence and wrongful-death law cases. Areas of specialization include, but are not limited to, occupational safety and health, mechanical safety and engineering design and specification issues.
- Provides consultation services to business and industry on mechanical engineering safety issues, concerns and abatement of hazards.
- Provides regulatory compliance and on-site inspection consultation services to business and industry to ensure compliance with all applicable U.S. federal and state safety requirements, laws and regulations.

#### PROFESSIONAL CERTIFICATION

Licensed Professional Engineer - State of Washington, 1964

#### ACADEMIC CREDENTIALS

B. Sc. Engineering – Washington State University

#### AREAS OF EXPERTISE

Machine Design:

- Heavy industrial equipment
- Steel and aluminum rolling mill equipment
- Process lines for:
  - Steel and aluminum, tension levelers and bridles, hot rolling mills, cold rolling mills and coating lines.
- Strip tracking and equipment alignment.
- Designed many components and major pieces of equipment in all of the above.

Hydraulics:

- Wrote the hydraulic standard for design and purchasing hydraulic components and systems for Kaiser Aluminum.

Specifications:

- Wrote the standard specification for procurement of heavy-duty rolling mill equipment for Kaiser Aluminum.

Contract Administration:

- International reputation for obtaining the full scope, the quality and on time delivery on contracts.
- Provided complete specifications and commercial documents, diligent follow up and fair dealings with suppliers.
- Administered more than \$44 million of equipment procurement contracts with less than 1% increase of costs.

Project Management:

- Managed a \$70-million 80 Inch Five Stand Hot Mill project at Kaiser – Trentwood facility.
- Managed a \$35-million Kaiser-Trentwood facility coil coating line project from concept through design completion.
- Lead mechanical Project Engineer and Project Manager on both of these multi-million dollar projects.

**PROFESSIONAL EXPERIENCE**

**2003 - Present**

**Americana Safety Associates, LLC - Spokane, Washington**

Accident Reconstruction & Mechanical Engineering Consultant

▪ **Available for Nationwide and International Assignments**

- Provides expert witness and litigation support to trial attorneys as a contract consultant in personal injury, negligence and wrongful-death law cases. Areas of specialization include, but are not limited to accident reconstruction, occupational safety and health, mechanical engineering and machine design and specification safety issues.
- Provides consultation services to business and industry on mechanical engineering safety issues, machine design specifications, regulatory concerns and abatement of hazards. Reviewed the design of a modernized steel mill 4 stand cold mill that did not perform as specified and determined why the modernized mill failed to perform.
- Provides regulatory compliance and on-site inspection consultation services to business and industry to ensure compliance with all applicable U.S. federal and state mechanical engineering requirements, laws and regulations.

**1997 – Present**

**Private Practice, Spokane, Washington**

Mechanical Engineering Consultant

- Completed several mechanical engineering projects for Kaiser at Trentwood, WA facility
- Consulting mechanical engineer on an assignment for a British manufacturing company.
- Technical consultant and expert witness for law firms on machine guarding lawsuits and forensic analysis of machine failures.
- Successfully completed industrial machine design projects and assignments to train industrial workers in machine and process line operation.
- Guest lecturer to Gonzaga University engineering classes on project management and engineering economics topics.
- Forensic analysis of cause of apartment building sprinkler system failure; determined cause of restaurant Tandoor oven fire; determined point of failure in dental x-ray developer machine installation that caused office flooding.
- Analyzed a steel mill 4 stand cold rolling mill modernization and determined why the modernized mill failed to perform as specified. Provided low cost solutions to remedy the deficiencies.
- Diagnosed problems and provided solutions to problems on an aluminum mill tension leveling line
- Designed four shop buildings and a two story barn building

**1991 - 1997**

**BWG**, Pittsburgh, Pennsylvania  
Executive Vice President

- Manager of BWG's North American operation.
- Previous production was limited to selling only spare parts for the two years prior to my joining BWG.
- Responsible for increased sales of more than \$100 million of new equipment.
- Responsible for designing and building a new company office building
- Reestablished BWG as a significant supplier of quality equipment to the US aluminum and steel industries.

**1964 - 1991**

**Kaiser Aluminum**, Trentwood, Washington  
Consultant, Project Manager, Project Engineer

- Selected as a technical consultant in 1984. One of the first four people at Kaiser Aluminum to become part of a dual career path program for technical experts in the company.
- Held this position until retiring from Kaiser in January 1991.
- Served on the corporate hot and cold rolling technology committee for several years.
- Served as General Foreman of the cold rolling department at Kaiser - Trentwood facility for two years.
- Responsible for production and maintenance of five cold rolling mills.
- Responsible for the cold rolling department safety program.
- Achieved the best safety record in the plant during my tenure as General Foreman.

**1963 - 1964**

**Union Iron Works**, Spokane, Washington  
Mechanical Engineer

**1959 - 1963**

**Hyster Company**, Portland, Oregon  
Mechanical Engineer

#### **PUBLICATIONS AND PRESENTATIONS**

"Cardan Cross-Pin Spindles Applied to Large Horizontal Roughers" Iron and Steel Engineer, November, 1987

#### **AVAILABILITY**

Mr. Stone is available for nationwide and international assignments through Americana Safety Associates, LLC.