

## PROFILE

Mr. Van Fisher is the Head of Quality Assurance and CAT Management. With over 32 years of progressively responsible supervisory, business development, complex project management, and technical design experience. Broad based responsibilities in structural engineering with experience in forensic investigations; catastrophe response; front-end engineering design (FEED); manufacturing; engineering, procurement, and construction (EPC); cost estimates and repair options; and architectural and engineering (A&E) and engineering and construction (E&C) projects. Mr. Fisher has over 21 years of experience as a designated expert in field of structural engineering and cost estimation. Comprehensive knowledge of design standards and codes. Key strengths include the following:

- ▶ Wind Damage Assessment
- ▶ Bridge Crane Design and Construction
- ▶ Design and analysis of unique steel connections
- ▶ High Rise Buildings
- ▶ Retaining Walls
- ▶ Foundations
- ▶ Heavy Crude Pipelines
- ▶ Wood Structures
- ▶ Structural Steel
- ▶ Chinese Drywall
- ▶ Concrete Masonry
- ▶ Train Car Derailments
- ▶ Conventional Stucco
- ▶ Slip and Fall Accidents
- ▶ Water Intrusion
- ▶ Underground Piping
- ▶ Seismic Exploration
- ▶ Blast Type Explosions
- ▶ Groundwater Problems
- ▶ Chilled Water Systems
- ▶ Tilt Wall Panel Buildings
- ▶ Catastrophe Response
- ▶ Residential Homes
- ▶ Storm Surge Damage Assessment
- ▶ Marina Assessment/ Mooring and Off-Loading Terminal
- ▶ Mobile Crane Failures
- ▶ Bulkheads
- ▶ Mooring Dolphins
- ▶ Marine Loading/Offloading Facilities
- ▶ Crude Storage Facilities
- ▶ Fires
- ▶ Maritime/Boating Accidents
- ▶ EIFS (Exterior Insulating Finishing Systems)
- ▶ Windows
- ▶ Construction Defects
- ▶ Mold/Air Quality
- ▶ Construction Vibration
- ▶ Geophysical Exploration Vibration
- ▶ Refinery Explosions
- ▶ Site Drainage/Site Preparation
- ▶ Concrete Structures
- ▶ Roofing
- ▶ Swimming Pools
- ▶ Commercial Buildings
- ▶ Geotechnical/Sinkhole Investigations

## OFFICE

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## CORPORATE OFFICE

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## WEBSITE

[www.envistaforensics.com](http://www.envistaforensics.com)

- ▶ *Industries:* forensics, pulp and paper, energy and power, petroleum (refining and storage), bulk and specialty chemicals, commercial and industrial buildings, water and wastewater, and residential structures.
- ▶ *Computer Skills:* Windows, MS Office (Word, Excel, PowerPoint), Microstation (2D and 3D), Smart Plant Viewer, Design Review, Envision, and Primavera.
- ▶ *CAD/Design Packages:* STAAD, RISA, AutoCAD, and ANSYS.

## EDUCATION

### **Bachelor of Science, Civil Engineering, 1989 (Emphasis in Structural and Environmental Engineering)**

*Texas Tech University – Lubbock, Texas*

*Civil Engineering graduate courses taken at University of Houston*

*Chi Epsilon – Civil Engineering Honor Society*

## LICENSES

### **Professional Engineer (PE):**

- ▶ Alabama
- ▶ Arizona
- ▶ Arkansas
- ▶ California (by exam)
- ▶ Colorado
- ▶ Delaware
- ▶ Florida
- ▶ Georgia
- ▶ Louisiana
- ▶ Kansas
- ▶ Michigan
- ▶ Mississippi
- ▶ New Mexico
- ▶ New York
- ▶ North Carolina
- ▶ Ohio
- ▶ Oklahoma
- ▶ Tennessee
- ▶ Texas (by exam)
- ▶ Vermont
- ▶ Wisconsin
- ▶ Country of Guam

## CERTIFICATIONS

### **Certified EIFS Inspector (Expired)**

**Texas Department of Insurance Certified Windstorm Inspector**

**HAZWOPER Certification**

## PROFESSIONAL AFFILIATIONS

- ▶ Metropolitan Who's Who Registry
- ▶ National Society of Professional Engineers (NSPE)
- ▶ National Association of Subrogation Professionals (NASP)

## PROFESSIONAL BACKGROUND

### **June 2005 – Present: Envista Forensics – Katy, Texas**

*Technical Director – Civil/Structural*

Managed unit workflow and operations in the development and growth of a forensic service company reaching annual revenues of \$20 million dollars. Developed and reviewed all procedures, practices, service offerings and programs, and supervised the birth and growth of forensic engineering unit. Scope of work included budget development, business development, training and development of continuing education curriculum; and responsible for P&L performance. Other experience includes:

- ▶ Director of catastrophe response efforts for Hurricane Harvey, Irma, Maria, Katrina, Rita, Wilma, Ike, and Isaac.
- ▶ Investigates and analyzes failures in civil/structural engineering disciplines related to residential, commercial, municipal, and industrial buildings.
- ▶ Extensive investigative and legal work regarding cost estimates of repairs, wind and storm surge damage, construction defects, water intrusion, contractual obligations, EIFS, stucco, roofing, and window related defects.

### **February 2001 – June 2005: Rimkus Consulting Group, Inc. – Houston, Texas**

*Project Manager*

Investigated and analyzed failures in civil/structural engineering disciplines related to residential, commercial, municipal, and industrial buildings. He investigated foundation failures, structural deficiencies and failures, and verified construction compliance with applicable building codes and contract specifications. Mr. Fisher conducted numerous investigations to determine the cause and origin of water and mold related damage in both residential and commercial property. Mr. Fisher provided expert testimony in water intrusion, roofs, mold, EIFS, stucco, maritime/boating, construction defect, roofing, and window cases.

### **December 2000 – February 2001: Dow Chemical (Kelly Services) – Houston, Texas**

*Structural Engineer*

Designed wood, steel, and concrete structures for a petrochemical refinery in Louisiana. Structures included buildings, foundations, and pipe racks.

### **July 1989 – December 2000: Brown & Root, Inc. – Houston, Texas**

*Lead Engineer*

Mr. Fisher served as a civil/structural engineer with approximately twelve years of engineering experience with petrochemical and pulp and paper projects. Projects consist of both grass roots and revamp projects, including field-engineering assignments. Experience includes leadership positions and coordination of design teams, analysis and design of complex types of structures and foundations, bridge cranes, large vessels, unique engineering and construction designs, checking construction and shop detail drawings, developing estimates and proposals, scheduling, and preparing project structural design criteria and specifications. Key projects include:

- ▶ Design of a 20,000 square foot Chemi-Washer Building for Wausau-Mosinee Paper Corporation
- ▶ Coordination and leadership of a 700 million dollar Heavy Crude Oil Upgrader in Jose, Venezuela for Conoco Oil (At the time the largest Delayed Coker Unit in the World)
- ▶ Design and construction of a TMA Packaging Hygiene Project for BP Amoco

## REPRESENTATIVE PROJECT EXPERIENCE

### **Crossett Mill Cluster Rules Project**

*Georgia-Pacific – Crossett, Arkansas*

- ▶ Responsible for the detailed engineering of pile foundations, steel process structures, and piperack expansions.

### **Geon Company**

*Geon Company – LaPorte, Texas*

- ▶ Responsible for the detailed engineering vertical vessel foundations, steel process structures, cooling tower basin expansion, sheet piling, steel and concrete piperacks, and operation platforms.

### **Kuwait Petrochemical Complex**

*Equate – Kuwait*

- ▶ Responsible for the detailed engineering of piperacks, flare foundation, flare deadmans, valve box pits, and operation platforms.

### **Advanced Elastomer Systems**

*AES – Pensacola, Florida*

- ▶ Responsible for the construction sequence of removing one-half of lightweight tapered section building, and the design of a new multi-storied operations building to replace removed portion. Designed special moment connections for large tapered sections to frame into new building and analyzed and modified existing operations building to add concrete operating floor. Provided extensive field surveying and measuring to develop drawings for existing building to determine impact of expansion. Designed and oversaw installation of bridge crane within an existing building.

### **Block 16 Oriente Basin**

*Maxus Ecuador, Inc. – Ecuador*

- ▶ Mr. Fisher was responsible for the detailed engineering of pile foundations, ringwall foundations, retaining walls, skid foundations, piperacks, and process shed using lightweight tapered sections.

### **Big Three Project**

*Big Three Industries, Inc. – Port Neches, Texas*

- ▶ Responsible for the detailed engineering of compressor foundations, cooling tower basin, piperacks, and operation platforms.

**No. 35 Paper Machine Project**

*Champion International Corporation – Courtland, Alabama*

- ▶ Responsible for the detailed engineering of gas-fired boiler building, pile foundations, and piperacks. Project included the design and construction of a large paper machine building with overhead bridge crane.

**PIP Mill Expansion**

*Champion International Corporation – Courtland, Alabama*

- ▶ Responsible for the detailed engineering of the fiberline building, electrical control buildings, stair tower, existing building extension, piperacks, pile foundations, and modifications to existing piperack. Project include new buildings and extensions of buildings with new overhead bridge cranes.