

Cliff R. Merck
Construction Equipment - Accident Investigation

8293 Crotty Way, Valley Springs, CA. 95252

Phone (209) 351-0882

1378 Springwater Way Eagle Mountain, UT 84005

(801) 472-5318

I have over 35 years experience within the building trades industry, with expertise in supervision and safety management. I have worked in the housing, industrial, and heavy construction fields. In the heavy construction field I have worked as a heavy equipment mechanic and operator. During my 35 years I have developed a number of safety programs in accordance with OSHA standards. I have a working knowledge of OSHA, DOT, and California Title 8 Safety Regulations. My education includes a degree in Industrial Arts and Safety Education. I also hold a Lifetime Teaching Credential, have experience with investigating work related accidents, equipment failure, and testifying in court and in depositions regarding my findings.

Professional Affiliations/Credentials and Certificates

- Operating Engineers 1964 – Present
- California Teaching Credential – Public Safety and Accident Prevention
- H.A.S.M.A.T. Training Certificate
- Railroad Safety Training Certificate
- Blaw-Knox Paving School Certificate
- Cedarrapids Material Handling Safety Course Certificate
- Chemical and Refinery Safety Training Certificate
- B.A.A.C.W. Safety Training School Certificate
- Mine Safety Training Certificate

Experience

**Forensic Accident Investigation/Accident Reconstruction -
Nov 2000 to present**

Been a designated expert in various types of cases involving construction equipment and forklifts. Experience includes testifying in court, depositions, and court ordered site visits for juries. Worked for both the plaintiff and the defense with an average caseload of three defense cases to each plaintiff case. Case experience includes both criminal and civil actions.

Accident Investigation /Construction Equipment 1997 to present

Investigated equipment failures to determine liability for damages incurred.
Investigated over 37 equipment failures during career.

O'Grady Paving Inc., Mountain View, CA. March 1997 – Dec. 1997

Responsibilities included maintaining company equipment, various grading and paving projects, safety training of newly hired personnel, and apprenticeship training. Maintenance included daily safety checks, major repairs, trouble shooting, purchasing of parts and periodic maintenance scheduling.

Granite Construction Co., San Jose, CA. August 1990 – March 1997

Responsibilities included scheduling periodic maintenance on equipment, safety training of newly hired personnel, apprenticeship training, and maintaining company equipment located on a variety of different types of construction sites. Sites Included: heavy earthmoving; grading and paving; home development projects; underground; bridge and dam projects; and special railroad projects.

Oliver De Silva, Dublin, CA. May 1982 – August 1990

Responsibilities included maintaining company equipment on a variety of different types of construction sites including heavy earthmoving, grading and paving, home development projects, safety training of newly hired personnel, and apprenticeship training. Developed a rock quarry operation. Development included the designing and building of a rock crushing plants. Supervised the operation of rock crushing plant for 2 years.

Piombo Corp., San Carlos, CA Jan 1976 – May 1982

Responsible for maintaining company equipment on a variety of different types of construction sites including: heavy earthmoving, grading and paving, dam and bridge building, and high rise building construction. Three years experience in the material processing division.

G.P. Banke, Inc., Hayward, CA. June 1968 – Jan 1976

Heavy Equipment Mechanic/Welder. Responsible for the safe operation of all company equipment.

Peterson Tractor Co., San Leandro, CA. April 1964 – June 1968

Apprentice/Heavy Equipment Mechanic and Welder. Learned the trade from a Caterpillar Dealership. Attended College to earn my degree.

United States Air Force, worldwide.
Aircraft Mechanic and First Aid Instructor.

Jan 1960 – Jan 1964

Education

- Caterpillar Paving School, San Leandro CA
- Blaw-Knox Paving School, Matune, Ill.
- Cedarrapids Material Handling, Hayward, CA
- C.S.U. at San Jose, CA – B.A. Degree Industrial Arts
- Chabot College, Hayward, CA – A.A. Degree
- Safety Course, San Leandro, CA – 40 Hour Refresher

Equipment Experience

Caterpillar

Scrapers - Models 613 to 657, Dozers - Models D2 to D11, Excavators - Models 215 to 245, Motor Grader - Models 99E to 16G, Backhoe - Model 416, 426 & 446, Compacting Equipment - Models 815 to 834, Vibe Rollers and Vibe Compactors, Wheel Loaders - all models, Track Loaders - all models, Forklifts - all models, Water Pulls, Drilling Equipment, Stationary Engines, Marine Engines, Generators and Pumps

John Deere

Scrapers – all sizes, Backhoes – all sizes, Excavators and Loaders – all sizes

Case

Backhoes and Loaders – all sizes, and Compaction Equipment

Dyna Pac

All Compaction Equipment.

Hyster

All Compaction Equipment.

Tar Rax

Scrapers and Water Pulls – all sizes

Miscellaneous Equipment

Bobcat, Breaker Hammers, Deck Barges, Winch Barges, Dump Barges, Suction Dredges, Clamshell Dredges, Tugboats, Air Pumps, Stationary Water Pumps, Portable Water Pumps, Screening Plants, Rock Crushing Plants, Conveyor System, Rock Drilling, Hydraulic Systems, Specialty Railroad Equipment, Asphalt Pavers, Bridge Deck Pavers, Concrete Pavers, Concrete Vibrator Screeds, Man Lifts, Scissors Lifts, Boom Trucks, Bucket Trucks, Concrete Mixer Trucks, Concrete Pump Trucks, Ladder Trucks, Water Trucks, Water Pulls, Forklifts, Portable and Truck Mounted Man Lifts, Portable Scaffolding, Trench Shoring, and Other Specialty Construction Equipment.

Major Projects

Airports

San Francisco, San Jose, Livermore, Hayward, and Reed Hill View

Bay Area Rapid Transit

Oakland to San Francisco under water tube, Hayward and Richmond train maintenance yards, Caldecott Tunnel, El Sabronte Station, San Leandro Station, Hayward Station, Castro Valley Station, Dublin Station, Pleasanton Station, Union City Station, and Fremont Station

Bridges

San Mateo, Dumbarton, Oakland-San Francisco Bay, and Antioch

Dams

Warm Springs, Lake Chabot, New Melones and San Lewis

Dredging

Bay Farm Island, Foster City, and Port of Oakland

Highways

All the major highways in the San Francisco Bay Area.

Housing

Tracts - 10 to 500 units in size - throughout the San Francisco Bay Area.

Railroads

Southern Pacific and Union Pacific

CV of Cliff R. Merck

Refinery

Union 76, Shell Oil, and Tosco

Rock Crushing

Set up and operated plants in Fremont, Livermore, San Bruno, San Francisco, Santa Rosa, and San Carlos.

Tunnels

Highway 24 Caldecott tunnel, third bore.

Under Ground

Throughout the San Francisco Bay Area.