

# CARMEN W. DAECHEER

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Daecher/Jacobs, Inc. · 445 Idlewild Drive · Hays, NC 28635 · (336-957-4425) cdaecher@wilkes.net

## EDUCATION

Franklin & Marshall College

**Bachelor of Arts**

**1970**

Economics

Villanova University

**Master of Science**

**1974**

Transportation Engineering

TAU BETA PI – National Engineering Society

Widener University

**Partial fulfillment toward Masters**

Business Administration

## ACCREDITATIONS AND CERTIFICATIONS

Accredited as Accident Reconstructionist by Accreditation Commission for Traffic Accident Reconstruction.

Certified as Workplace Safety Practitioner in New York, Pennsylvania, and Texas

## SPECIALIZED TRAINING RECEIVED

- Institute of Vehicular Safety – Instructor Level Concept of Day/Night Visibility for Traffic Accident Investigation
- U. S. Department of Transportation, Transportation Safety Institute – North American Standard Motorcoach Inspector Training
- Northwestern University Traffic Institute – Traffic Accident Reconstruction Seminar
- Indiana University of Pennsylvania School of Continuing and Non-Resident Education – National Committee Train the Trainer Course
- Fox Valley Technical College, Wisconsin Decision Driving Center – Tractor Trailer Jackknife Avoidance and Decision Driving Techniques
- National Association of Traffic Accident Reconstructionists and Investigators – Commercial Vehicle Collision Reconstruction
- National Association of Traffic Accident Reconstructionists and Investigators – Introduction to Event Data Recorders and Crush Documentation and Analysis
- National Association of Traffic Accident Reconstructionists and Investigators – 2005 Combined Annual Conference for Collision Reconstruction
- New York State Department of Labor – Workplace Safety & Loss Prevention Training
- New York State Department of Labor – 2004 ICR59 Workshop
- New Jersey Association of Accident Reconstructionists – Advanced Topics in Collision Investigation & Reconstruction

## AWARDS & HONORS

- ASSE Transportation Practice Specialty Safety Professional of the Year 2000 – 2001
- ASSE Council on Practices & Standards Safety Professional of the Year 2002

## PROFESSIONAL AFFILIATIONS

- American Society of Safety Engineers
- Institute of Transportation Engineers
- National Association of Traffic Accident Reconstructionists and Investigators

## PROFESSIONAL EXPERIENCE

Over 40 years of experience as follows:

*Daecher/Jacobs Inc.*

September 2009-Present

Consultation with private and public clients in all aspects of commercial motor vehicle carrier operations; workplace safety; claims and litigation support; accident investigations and reconstructions involving vehicles, bicycles, and pedestrians; training programs and seminars; research projects concerning technologies related to driver fatigue and safe vehicle operations; and transportation engineering.

*Daecher Consulting Group, Inc.*

**Transportation Specialist/Former CEO and President of Company**

September 1997 – June 2009

Consultation with private and public clients in all aspects of commercial motor vehicle carrier operations; workplace safety; claims and litigation support; accident investigations and reconstructions involving vehicles, bicycles, and pedestrians; training programs and seminars; research projects concerning technologies related to driver fatigue and safe vehicle operations; and transportation engineering.

*Safety Claims & Litigation Services, Inc.*

**President**

September 1995 – August 1997

Consultation with private and public clients in all aspects of commercial motor vehicle carrier operations; workplace safety; claims and litigation support; accident investigations and reconstructions involving vehicles, bicycles, and pedestrians; training programs and seminars; and research projects concerning technologies related to driver fatigue and safe vehicle operations.

*Pennoni Associates, Consulting Engineers.*

**Transportation & Safety Specialist**

May 1993 – July 1995

Consultation with private and public clients in all aspects of commercial motor vehicle carrier operations; workplace safety; claims and litigation support; accident investigations and reconstructions involving vehicles, bicycles, and pedestrians; training programs and seminars; and research projects.

*Self Employed.*

**Transportation Engineering, Commercial Motor Carrier and Workplace Safety Accident Investigation**

September 1985 – May 1993

Consultation with private and public clients in all aspects of commercial motor vehicle carrier operations; workplace safety; claims and litigation support; accident investigations and reconstructions involving vehicles, bicycles, and pedestrians.

*Progressive Insurance Company*

**Director of Safety Services**

November 1987 – August 1992

Responsible for safety and loss consulting with transportation customers nationwide. Responsible for creation, development, marketing and sales of transportation safety products and services, helping customers to lower their accident frequency and better manage their business. Managed staff of six people.

**National Catastrophic Response Team Manager**

Consultation with private and public clients in all aspects of commercial motor vehicle carrier operations; workplace safety; claims and litigation support; accident investigations and reconstructions involving vehicles, bicycles, and pedestrians; training programs and seminars; and research projects concerning technologies related to driver fatigue and safe vehicle operations. Responsible for development, administration and maintenance of program and staff to investigate roadway accidents and manage claims involving our insureds that may have high exposure. Staff was available to respond immediately upon confirmation of potential exposure on a 24 hour/day 7 day/week basis. Staff was strategically located throughout the continental U.S.A. Staff was trained in accident investigation, empathic skills and casualty adjusting.

*International Exposition Center*

**Facilities Manager**

September 1985 – April 1987

Responsible for operation and maintenance of 2.2 million square feet of building situated on 175 acres of land. Responsible for providing all facility-related services to public trade shows held in the facility. Responsible for negotiating contracts and full-time administration and maintenance staff of 60 people.

*Pennoni Associates, Consulting Engineers*

<p><b>Director of Transportation &amp; Planning Services</b> Responsible for all phases of transportation engineering consulting. Provided assistance in planning and implementation of marketing strategies for services of company. Provided assistance in financial management of company.</p> <p><i>LaSalle College/Delaware Valley Community College</i></p> <p><b>Instructor (Part-Time)</b> Staff member of Department of Management, teaching undergraduate courses of Management Control Systems, Organizational Behavior and Small Business Management Fundamentals</p> <p><i>Plan-Tech, Inc. Economic &amp; Management Consultants</i></p> <p><b>President</b> Responsible for consultation in fields of management, economics, general business and urban planning.</p> <p><i>John Comisky &amp; Associates, Consulting Engineers</i></p> <p><b>Vice President</b> Responsible for all phases of transportation engineering.</p> <p><i>Bureau of Traffic Engineering, City of Lancaster, PA</i></p> <p><b>Chief Transportation Planner</b> Responsible for administration and operations of Bureau of Traffic Engineering, City of Lancaster, PA.</p> <p><b>Various Positions</b> Responsible for development and performance of various zoning, utility, parking and loading zone studies.</p>	<p>June 1978 – August 1985</p> <p>September 1978 – December 1984</p> <p>October 1974 – June 1978</p> <p>November 1970 – June 1978</p> <p>May 1970 – October 1970</p> <p>June 1967 – April 1970</p>
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#### LISTING OF TYPICAL SERVICES RENDERED

##### *Transportation Engineering*

- Studies of Traffic Operations to Improve Capacity and Safety
- Comprehensive Transportation Planning Studies
- Parking Studies in High-Density Residential Areas, Central Business Districts, and Shopping Centers
- Design and Layout of Parking areas
- Review of Proposed Subdivisions and Parcel Developments with Emphasis on Roadway Layout Design
- Design of Traffic Signal Installations and Roadway Improvements
- Roadway Intersection Analysis of Capacity and Safety
- Studies of Traffic Impact of All Types and Sizes of Proposed Developments
- Accident Analysis and Development of Safety Improvement Programs
- Development and Implementation of Traffic Management Studies
- Development of Financing Strategies for Implementation of Transportation Projects
- Liaison with and Presentations to State and Local Officials Regarding Transportation Projects and Related Approvals

##### *Accident Investigations and Reconstructions*

- Investigation of Accident Scenes, Property Damage, and Bodily Injuries for Collection of Evidence
- Application of Laws of Physics to Estimate Speeds, Times, and Kinetic Energy associated with accidents
- Use of Human Factor Knowledge associated with driving and pedestrian movements for Accident Reconstruction

##### *Commercial Motor Carrier and Workplace Safety*

- Development of Loss Prevention and Risk Management Programs with concentration in the auto liability and workplace injury areas
- Development and Implementation of Motor Carrier Management Safety Seminars

- Preparation of Safety Policies and Procedures for use in Commercial Motor Vehicle Operations, Municipalities, Industrial Operations
- Preparation and Production of various safety and training literature and products (newsletters, technical papers, process manuals, posters and videos)
- Preparation and Implementation of numerous training programs related to various topics including accident investigation, workplace safety programs, and empathic skills
- Design and monitoring of safety processes and procedures for work site operations
- Management of numerous research and demonstration projects (anti-lock brakes, performance on motorcycles, measurements of driver impairment, school bus conspicuity, school bus safety program)
- Participation in numerous FHWA funded research projects concerning commercial vehicle operations and/or Intelligent Transportation Systems Technology
- Interpretation of Federal Regulations regarding safety activities and operations and assistance in their implementation (DOT, OSHA, EPA)

#### LISTING OF TYPES OF TRAINING PROVIDED

- *Producer of more than 20 training videos for commercial vehicle Industry*
- *Courses developed and presented:*
  - Accident Investigation
  - Accident Scene Investigation
  - Accident Management – Minimize Your Exposure
  - Advanced Accident Investigation
  - Low Impact Collisions
  - The Accident Reconstructionist – Who and Why
  - How to Discredit an Accident Reconstruction Expert
  - ADA Hiring Issues
  - ADA Driver Training
  - Bloodborne Pathogens
  - Bus Fires and Emergency Evacuation
  - Driver Shortage
  - Driver Hiring
  - Drug & Alcohol Abuse
  - Empathic Skills for Management Conflict
  - Effective Claims Management
  - Evidentiary Review of Accidents
  - Investigating Regulatory Compliance as Part of Claim Management
  - Managing Fatigue
  - Managing Stress
  - Return to Work Programs – Reduce Your Workers’ Compensation Costs
  - Risk Management – A Safety Director & Shop Manager Perspective
  - Developing and Managing a Safety Policy
  - Safety Audits & Ratings
  - Slips & Falls
  - Violence In Your Workplace
  - What Do Accidents Truly Cost?
  - Accident Scene Diagrams
  - Accident Prevention
  - Business Basics for Bus Operators
  - Fleet Maintenance & Replacement
  - Business Liability Insurance
  - Effective Accident Analysis
  - The Commercial Driver
  - Safety Meetings
  - Curbing Commercial Vehicle Accident Costs
  - Anonymous On-Board Evaluations
  - CVSA Bus Inspection Program
  - Improving Safety Performances
  - A Team Approach to School Bus Safety
  - Containing Workers’ Compensation Costs

- The Federal Motor Carrier Safety Regulations and You
- OSHA Safety Regulations and You
- Workplace Safety
- Motor Fleet Safety for Supervisors
- Motor Fleet Safety Supervision – Principals and Practices
- Catastrophic Response
- Defensive Driver Training for Commercial Vehicle Operator
- Operation Secure Transport
- Security & Emergency Preparedness Planning

**Appearance as an expert witness before courts in various jurisdictions for above services.**

## OTHER PROFESSIONAL ACTIVITIES

### *American Society of Safety Engineers*

- Former Chairman, ANSI Z15.1 Committee “Safe Operations of Motor Vehicles”
- Former Administrator of the Transportation Practice Specialty
- Former Member of the Government Affairs Council

### *Commercial Vehicle Safety Alliance*

- Former Member of Human Factors Advisory Committee
- Technical consultant for Level I Bus Inspector Training Curriculum

### *United State Department of Transportation*

- Facilitated the Federal Highway Administration, Office of Motor Carriers – Bus Conference: Moving People Safely into the 21<sup>st</sup> Century, August 25, 1995
- Coordinated and Facilitated the Office of Motor Carriers/Insurance Industry Partnering Conference
- Member, DOT ONE Initiative
- Member, Mineta Blue Ribbon Committee to Restructure Motor Carrier Activities in DOT
- Technical Consultant for Model Motorcoach Driver Training Curriculum for FHWA
- Project Manager for Motorcoach Mechanic Training Curriculum for FHWA

### *North American Transportation Management Institute*

- Certified Instructor

### *Transportation Safety Institute*

- Former Associate Instructor

### *Accreditation Commission for Traffic Accident Reconstructionists*

- Member of the Governing Board of Directors

### *American Bus Association*

- Former Coordinator and Technical Director of the International Motorcoach Driver and Mechanic Competitions

### *United Motorcoach Association*

- Former Dean, American Motorcoach Academy

### *Intelligent Transportation Systems of America*

- Former Member, Commercial Vehicle Policy Committee
- Former member, Commercial Vehicle Operations Legal Issues Committee

### *Transit SCORE*

- Developed and instruct courses for Transit Managers and Supervisors on Hiring Great Drivers and Employees; Accident Investigation; Transit Security; and Regulatory Compliance

## PUBLICATIONS

A Guide for Municipalities for Bicycle Planning (Proceedings of the Forth National Seminar and Planning, Design and Implementation of Bicycle and Pedestrian Facilities)

The Interaction of Pedestrian Movement with Traffic Movement in Relation to Anticipated Roadway and sidewalk changes (Proceedings for the International Conference on Pedestrian Safety, Volume One – Session Reports)

Selling Transportation Engineering Means Selling Yourself (54<sup>th</sup> Annual ITE Conference Proceedings)

Smart Environmental Technology: The Critical Component for Driver-Vehicle Communication Within the Intelligent Vehicle Highway Safety System (Managing Traffic and Transportation 1992 Conference Proceedings)

*Bus Ride Magazine*

- Thinking About Your Approach to Safety
- Training - Are We Doing Enough?
- Space Management 101, The Basics of Defensive Driving
- Fleet Management: A Matter of Dollars & Sense
- Safety Never Stands Alone
- A Recipe for Safety - And How to Prepare It
- Passenger Management
- Interim ADA Rules Review
- Reducing Your Liability
- Alcohol, Passengers & Your Liability
- Making Safety Your Business
- Near Misses
- Safety Director - Who Is It?
- Driver Retention - More of an Art than a Science
- The Millennium - What Is The Industry's Next Step?
- Make Up for Your Regulation Shortfalls
- Necessary Changes For the New Century
- Safety - Put Up or Shut Up
- Service & Safety - Are They Different?
- Training - Can It Help Manage Attitude?
- Risk Control - How Do You Handle It?
- ADA - Make It Part of Your Business
- Do You Need A Cultural Adjustment?
- Ergonomics - If You Don't Know What It Is It May Be Time To Learn
- Safety Management Program Considerations
- Hours-of-Service Rules Are Not the Solution
- Using Effective Policies . . . Is A Real Good Policy
- Safety Incentives - Are They Really Incentives?
- Non-Driver Accidents: Is There a Double Standard?
- Safety Is Everyone's Problem
- Prescriptions and Over-the-Counter Does Not Mean Over-the-Road
- Know Your Regulatory Acronyms
- The Changing Role of the Safety Professional
- MBDA - Management By Driving Around
- Accountability - The Missing Ingredient in Most Management Systems
- Managing Safety: A System Beats Just Compliance With the Rules
- Safety and Security - Always Together
- Training: A Ticket to Cost Savings and Effective Risk Management
- The Aging Driver and Changing Risks
- Mirrors - A Reflection on Blind Spots
- Regulations - Do You Know What's New and What's Being Planned
- Have You Thanked Your Employees Lately
- Security Awareness Training for Your Employees - It's Much More Important Than You Think
- Customer Service - Don't Let It Become Lip Service
- Keeping Foxes Away From the Hen House
- Accidents and the Experienced Driver
- What is a Higher Standard of Care?
- Where Were the Buses?
- The Five P's: Lessons Learned from Hurricane Katrina

- Lessons Learned from the Aftermath of Accidents
- Good Judgment: Priceless
- A Snapshot is Worth a Thousand Words

*Canadian Bus Exchange*

- A Closer Look at Wheel Separations
- South of the Border – the Latest Regulatory Developments

*American Bus Exchange*

- Safety Management – Managing Behavior – Not Regulatory Compliance
- The Challenge: To Develop a Motorcoach Training Standard
- Driver Qualification Files – A Review of How to Prepare Them & How to Use Them
- Safety – Just What Do We Manage?
- Pricing Your Service Properly

*CVSA Guardian*

- CVSA – Alliance is the Word for Success
- North American Inspectors’ Championship – Time to Get On Board

*VercomNet ITS Expert*

- Vehicle and Driver Technologies – What Is Their Value to You?

Co-Authored for U.S. Department of Transportation

With Arrowhead Space & Telecommunications, Inc.

- Bus Driver Fatigue and Stress Issues Study, DTGH61-99-Z-00027, December 1999, Federal Highway Administration, Office of Motor Carriers, Washington, DC

With Michael R. Crum and Paula C. Morrow, Iowa State University

- Motor Carrier Scheduling Practices and Their Influence on Driver Fatigue, July 2001, The Trucking Research Institute of the American Trucking Association Foundation; The Private Fleet Management Institute of the National Private Truck Council; and The Federal Motor Carrier Safety Administration.

Through the American Trucking Association Foundation

- Truck Driver Risk Assessment Guide and Effective Countermeasures: Recommended Management Practices: A Partnership between the ATA Foundation; Federal Highway Administration, Office of Motor Carriers and Highway Safety; and the Driver Training And Development Alliance
- Graduated Commercial Driver License Feasibility Study
- Fleet Management Practices for Commercial Drivers

With Cambridge Systematics

- I-95 Corridor Coalition Project – Commercial Vehicle Operations

Through the Transportation Research Board of the National Academies

- Commercial Truck and Bus Safety Synthesis Program Task Order MC-07 - Operational Differences/Similarities between the Motorcoach, School Bus and Trucking Industries: September 2004 Transportation Research Board
- Commercial Truck and Bus Safety Synthesis 4, Individual Differences and the “High-Risk” Commercial Driver: 2004 sponsored by the Federal Motor Carrier Safety Administration
- Commercial Truck and Bus Safety Synthesis 7; Motorcoach Industry Hours of Service and Fatigue Management Techniques: 2005 Sponsored by the Federal Motor Carrier Safety Administration
- Commercial Truck and Bus Safety Synthesis 12; Commercial Motor Vehicle Carrier Safety Management Certification: 2007 Sponsored by the Federal Motor Carrier Safety Administration
- Commercial Truck and Bus Safety Synthesis Program Project Number MC-21-Synthesis Report on Special Safety Concerns of School Bus Drivers: October 2008 Transportation Research Board

Authored/Co-Authored for Department of Homeland Security, Transportation Security

Administration:

- Security & Emergency Preparedness Template for the Motorcoach Industry
- "Operation Secure Transport" security awareness training for the motorcoach industry