

## Curriculum Vitae

### Charles W. “Chuck” Huffine, PE, PTOE, AICP

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### Synopsis

Chuck has over 35 years of consulting and municipal experience in traffic engineering, crash/safety assessment and transportation planning:

- served as an expert witness in crash/highway safety, and traffic engineering/impacts since 1995.
- developed white papers, plus provided case input and testimony for depositions and trials on behalf of defendants and plaintiffs.
- current serves on Vice Chair of the Institute of Transportation Engineers (ITE) Traffic Engineering Council (International Level).
- published 14 papers on transportation topics in professional journals or conference compendia.
- presented papers or topics at professional conferences over 30 times since 1990.
- taught four webinars on traffic engineering and safety topics for ITE.
- taught the review course for Professional Traffic Operations Engineer (PTOE) certification exam for 3 years, a workshop on Traffic Calming and webinars on traffic calming and work zone safety.
- proficient with the techniques and recommendations of the American Association of State Highway and Transportation Officials (AASHTO) Highway Safety Manual.

Areas of expertise include:

Construction Zone Safety	Pavement Edge Drop Off Standards
Crash Assessment and Analysis	Railroad Grade Crossing Safety
Driver Behavior/Human Factors	Roadside Safety Standards
Expert Testimony	Roadway Safety
Highway Safety	Stopping Sight Distance Design Standards
Highway and Street Design Standards	Traffic Control Devices (MUTCD)
Intersection Sight Distance Design Standards	Traffic Engineering

### Education

Bachelor of Science, Civil and Environmental Engineering, Cornell University (1986)

Master of Business Administration, University of Rochester (1991)

### Professional Organizations, Councils and Certifications

Fellow, Institute of Transportation Engineers

Vice Chair, Traffic Engineering Council, Institute of Transportation Engineers

Member, American Planning Association

Certified Professional Traffic Operations Engineer (PTOE), Institute of Transportation Engineers

Licensed Professional Engineer (PE) in Florida, Colorado, Utah, Wyoming, New York, South Dakota

Licensed Professional Traffic Engineer (TE) in California

## **Employment History**

### ***Manatee County Public Works, Lakewood Ranch, FL (8/20 – current)***

Senior Traffic Engineer. Responsible for monitoring, evaluation and designing traffic signal timing plans on County roads. Performs development traffic impact study and signal design reviews.

### ***CLH Associates LLC, Highlands Ranch, CO (4/17 – current)***

President. Small business to provide expert witness, transportation planning, traffic engineering and other related services.

### ***Harris Kocher Smith, Denver, CO (8/19 – 3/20)***

Senior Traffic Engineer. Prepared traffic impact studies for various developments. Conducted operational and safety analysis for study area intersections and roads.

### ***City of Englewood, CO (9/18 – 8/19)***

City Traffic Engineer. Responsible for planning, budgeting, operations and maintenance for the City’s traffic signals, signs, parking, and striping.

- Director of a staff of 5 signal technicians and implementation of a \$1,100,000 annual budget.
- Direct public interface on traffic issues and concerns.
- Staff liaison with the Englewood Transportation Advisory Committee citizens group.
- Construction supervision for the Broadway/Mansfield Traffic Signal replacement and pedestrian improvements and Project Manager for the Dartmouth Bike Lane project.
- Conducted a crash safety assessment for the City.
- Reviewed signing and striping plans, plus full development plans for 3 school replacement projects and over 50 residential and commercial development projects.
- Developed Traffic Impact Study guidelines and requirements.
- Developed traffic engineering specifications and details.

### ***Michael Baker International, Lakewood, CO (3/15 – 3/17)***

Senior Associate, Transportation Group Manager. Responsible for technical advisement and technical project decisions.

- Project Manager and technical resource for traffic safety, transportation planning, active transportation, traffic engineering, traffic impact studies.
- Project work in toll road planning, active transportation, safety/crash assessment.

### ***Jacobs, Denver, CO (11/11 – 3/15)***

Technical Discipline Manager for Transportation Group. Responsible project management. Served as a regional technical resource in traffic and safety engineering. Performed intersection safety and operational assessments for many projects. Manager for traffic engineering on-call contracts for Colorado Department of Transportation, City and County of Denver, and other counties and municipalities. Provided testimony at municipal council meetings in support of project proposals.

### ***SEH, Inc., Denver, CO (11/09 – 11/11)***

Senior Engineer in the Traffic Engineering/Transportation Planning Practice. Responsibilities included project management, quality control, and technical work for traffic engineering projects.

### ***Stantec Consulting, Inc. / Sear-Brown Group, Inc., Denver, CO and Rochester, NY (10/87 – 10/09)***

Transferred to the Denver, CO office as an Associate in the Transportation Group, with the responsibility to start a traffic engineering and transportation planning practice. Traffic Engineering and Transportation Planning Discipline Leader for Mountain Region.

## **Publications & Presentations**

"West Ridge Road: Successful Coordination of Signals and People", with Ivan M. Horodyskyj; Compendium of Papers, Institute of Transportation Engineers (ITE) District 1/District 7 Joint Meeting, Ottawa, Canada, 1992

"High School Outreach Fueling Transportation Careers", Upstate ITE Newsletter, 1992

"Safety Benefits of Signal Coordination", with Donald D. Adams; Compendium of Technical Papers, ITE Annual Meetings, 1995

"Access vs. Safety: Retrofit Access Management on NYS Route 104," with Richard Brauer; Compendium of Technical Papers, ITE International Conference, 1999

"Olympic Gold Medal: Transit and the University of Utah," with Donald D. Adams; Compendium of Technical Papers, ITE Annual Meeting, 1999

"Students, Trains and Automobiles – Safety at the University of Memphis"; Compendium of Technical Papers, ITE Annual Meeting, 2001

"Visualization Tools for Public Communications", Compendium of Technical Papers, ITE Annual Meeting, 2003

"Kodak Neighborhood Traffic Management", ITE International Meeting, Melbourne, Australia, 2005

"Rochester Multi-modal Gateway," ITE District 6 Annual Meeting, 2006

"Changing Campus Culture: Making the Bus ‘Cool’," with Joanna Morsicato, ITE District 6 Annual Meeting, 2009. **Winner of the Best Paper Award.**

"Completing the Denver Beltway: Land Use and Travel Demand Modeling Challenges for Establishment of a Fundable Project," with Joanna Morsicato, ITE District 6 Annual Meeting, 2009.

"Laramie Transportation Authority: Bringing a Community Together," ITE District 6 Annual Meeting, 2011.

"Traffic Engineer Bashing: Reversing the Trend", ITE Journal, 2013.

"Traffic Calming Fact Sheets", ITE Website, 2018

## **Professional Webinars and Courses Taught**

Professional Traffic Operations Engineer (PTOE) review course, 2002 - 2005.

ITE Webinars (4) and Workshops (2) on Traffic Calming Techniques, Roadway Safety, Traffic Engineering and Traffic Control Devices, 2019 - 2021.

## **Awards**

ITE, New York Upstate Section, Outstanding Service Award, 1992

ITE, New York Upstate Section, Outstanding Service Award, 1996

ITE, International "District and Section Newsletter Award", 1996

ITE, New York Upstate Section, Outstanding Service Award, 2000

ITE, District 6, Best Paper Award, 2009 Annual Meeting

WTS Colorado, President's Choice Award, 2011

ITE International, Traffic Engineering Council Technical Achievement Award, 2019