

Chester E. Chellman, P.E., L.L.S.

Principal



Chester "Rick" Chellman has more than 30 years experience in civil engineering, traffic engineering, complete street design and street design history research. Rick has site planning, civil and forensic engineering, zoning, expert testimony, and land use experience throughout the United States. In recent years, he has worked extensively on the engineering and traffic engineering aspects of Traditional Neighborhood Development, and New Urbanism, particularly in connection with the matters of street design, vehicular and human-powered traffic control, and external transportation connections worldwide.

EDUCATION

Professional Engineer: Licensed in more than 40 states, Licensed Land Surveyor in New Hampshire and Maine
B.S. University of New Hampshire

EXPERIENCE

Nelson\Nygaard Consulting Associates Inc.
Principal, 2010–Present

PREVIOUS EXPERIENCE

TND Engineering
Owner and Principal, 1985–2010

Charette Experience

- Participant in more than 100 multi-disciplinary design charrettes in the U.S., Canada, China, Europe, the Middle East and London, U.K., since approximately 1988, focusing on New Urbanism and Traditional Neighborhood Design. Team participant with Duany Plater-Zyberk, Moule & Polyzoides, Calthorpe & Assoc. and others for new communities, the enhancement/redevelopment of existing communities, land use regulation drafting and modifications, and street and transportation design.

Municipal Experience

- Chairman of the elected Board of Selectmen for the Town of Tuftonboro, New Hampshire; nine year member of the Tuftonboro Planning Board, including professional assistance in the completion of the Town's Master Plan; and two years service on the Tuftonboro Zoning Board of Adjustment.

Expert Witness

- Expert qualification and testimony as an Engineer and Land Surveyor in District, Superior and Federal District Courts.

Specialties

- Street design, transportation, motor vehicle accident reconstruction; land use regulation and design; civil engineering.

Board Member

- Congress for the New Urbanism (CNU), retired 1998; current member CNU New England Chapter

SELECTED LECTURES, PUBLICATIONS AND EXPERIENCE

Author/ Principal Author:

- The Traditional Neighborhood Development (TND) Zoning Ordinance (text form)
- "Design Speed and Related Matters for Neotraditional Neighborhoods" Submitted to 1994 Transportation Research Board

- "Street Design: Design Intent, History, and Emerging Concepts", Land Development, Spring-Summer 1995, National Association of Home Builders
- "Traditional Neighborhood Development Street Design Guidelines", A Recommended Practice of the Institute of Transportation Engineers (ITE), October 1999. This publication received the ITE's 1998 Transportation Planning Council Technical Committee Award when it was a proposed recommended practice.

Co-Author of:

- "New Town Ordinances and Codes" New Classicism Omnibus, Volume, Rizzoli International Publications, Inc., New York, NY 1990
- "Traffic Engineering for Neo-Traditional Neighborhood Design" February, 1994 Institute of Transportation Engineers, Washington, D.C.
- "Architectural Graphic Standards", section on Traditional Neighborhood Development street design
- "Context Sensitive Solutions in Designing Major Urban Thoroughfares for Walkable Communities" 2010 Institute of Transportation Engineers, Washington, D.C. Technical Advisor.
- "Neighborhood Street Design Guidelines" Institute of Transportation Engineers, Washington, D.C. Recommended Practice 2010. Neighborhood Street Design Committee.
- "Urban Street Design Manual" a design and policy manual for the construction, design and layout of urban streets in the Emirate of Abu Dhabi, United Arab Republic (2009).

Lectures:

- "Design of New Urbanist Streets"—Urban Land Institute, Orlando, Florida
- "Design of Traditional Neighborhood Streets"—New Mexico State Land Office, Santa Fe, New Mexico
- "Neo-Traditional Neighborhood Design"—Maine-New Hampshire, Seacoast Growth Mgt Conference, Portsmouth, NH
- "Context Directed Street Design"—Congress for the New Urbanism, Council # 3, Charleston, South Carolina, April 2002
- "Designing Safer Streets for Pedestrians"—NH DOT, Annual Bike & Pedestrian Conference, Durham, NH
- "Context Directed Street Design"—Congress for the New Urbanism, Council # 4, Santa Fe, New Mexico
- "TND Transportation Design-Rewriting Suburban DNA"—Seaside Institute, Seaside, Fl
- Street Design for Town Planning—Instructor, Harvard University, Cambridge, Massachusetts
- Congress for the New Urbanism #12—Committee Chair, program moderator and participant, Chicago, Illinois
- Civitas (Urban Design Master Class)—The Prince's Foundation for the Built Environment, Woking, UK
- University of Pennsylvania, School of Design—Lecture on South Village and US Street Design History, Philadelphia, January, 2005
- South Village and Context Directed Street Design—Congress for New Urbanism, New England Chapter, Boston, MA. April 2005
- GrowSmart Maine—Lecture on New Urbanism and Transportation, Smart Growth Conference Augusta, Maine, June 2005
- Mayor's Institute on City Design—Special Session on Municipal/Educational Interface University of Pennsylvania
- Mayor's Institute on City Design—Gulf Coast Mississippi & New Orleans, LA, Hurricane Katrina Recovery Concepts and Planning, Participant



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- SmartCode Workshop–Biloxi, Mississippi, Speaker

REGISTRATIONS AND CERTIFICATIONS

- Professional Engineer:
Licensed in more than forty jurisdictions in the United States, including all of New England, New York, Arizona, Texas, and California.
- Licensed Land Surveyor:
Licensed in New Hampshire and Maine