

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

Chester "Rick" Chellman has more than thirty years of experience in civil engineering design, engineering consulting, traffic engineering and land surveying, land use regulations and development planning. Rick



has site planning, civil and forensic engineering, zoning, expert testimony and land use experience throughout the United States of America and many other countries. In recent years, Rick has worked extensively on the engineering and traffic engineering aspects of Traditional Neighborhood Development (TND), and New Urbanism (NU) particularly concerning the matters of

street design, parking, vehicular and human-powered transportation.

Rick has extensive experience in public participatory planning events. This experience includes participation in numerous charrettes in many US and international locations. Rick also led charrettes to design the new towns of Tongzhou in Beijing, China and Santa Isabel in Guatemala.

Rick was awarded a Knight Fellowship from the University of Miami, and he has lectured at several universities, including New Hampshire, New Mexico, Texas, California and Harvard. Rick often speaks on the topics of street design, transportation and urban design.

Rick has also designed streets and prepared traffic impact analyses throughout the United States, the Middle East, Guatemala, Mexico, Costa Rica, El Salvador, China, Russia and Canada. Rick personally designed all of the streets in the new capital city of Abu Dhabi as he began work on the new Urban Street Design Manual for the Emirate of Abu Dhabi with other team members.

Professional Registrations

Professional Engineer:

Licensed in all of the lower 48 States in the United States, and the District of Columbia.

Licensed Land Surveyor:

Licensed in Maine and New Hampshire

Publications Co-Author/Team Member

- “NACTO Urban Street Design Manual”, NACTO, NY, NY, 2013;
- “Context Sensitive Solutions in Designing Walkable Urban Thoroughfares” Institute of Transportation Engineers, Washington, D.C. Technical Advisor, 2010.
- “Traditional Neighborhood Development Street Design Guidelines” Institute of Transportation Engineers, Washington, D.C. Recommended Practice. Neighborhood Street Design Committee, 1999.
- “Neighborhood Street Design Guidelines” Institute of Transportation Engineers, Washington, D.C. Recommended Practice. Neighborhood Street Design Committee, 2010.
- “Complete Streets Chicago” City of Chicago, Department of Transportation, 2013.
- “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.
- “Real Urban Intersection Design” Institute of Transportation Engineers Journal, May, 2014.
- “Traffic Calming ePrimer” Online resource of US DOT, Federal Highway Administration (Module 2): https://safety.fhwa.dot.gov/speedmgt/traffic_calm.cfm

- “Development of a Context Sensitive Multimodal Functional Classification System”, National Cooperative Highway Research Program, 2016. This methodology has been incorporated by the American Association of State Highway and Transportation Officials (AASHTO) in the 2018, 7th Edition of AASHTO’s: Policy on Geometric Design of Highways and Streets (the “Green Book”)
- “Street Design Manual for Urban Areas in Kenya” a design and policy manual for the design and layout of urban streets in Kenya, 2022

Awards

Charter Award, Congress for the New Urbanism, 2006 for the Urban Extension of Crewkerne, UK (Team Member)

ITE Transportation Planning Council Technical Committee Award for Traditional Neighborhood Development Street Design Guidelines as a proposed recommended practice (PRP) in 1998.

Charter Award, Congress for the New Urbanism, 2009 for The Smart Code (Team Member)

Driehaus Form-Based Codes Award, 2010 for City of Peoria Form-Based Code (Team Member)

EPA Programs and Policies Award, 2012 for Portsmouth, Va. Form-Based Code (Team Member)

Driehaus Form-Based Codes Award, 2012 for City of Santa Ana Transit Zoning Code (Team Member)

Taft Corners Vision and Form Based Code, Williston, Vt. Project of the Year NNE APA Chapter 2022 (Team member)

Municipal Experience

Chairman of the elected Board of Selectmen for the Town of Tuftonboro, New Hampshire; nine-year member and Chair 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. Current Chair, City of Portsmouth, NH Planning Board.

Expert Witness

Expert qualification and testimony as an Engineer and/or Land Surveyor in several venues and jurisdictions including District Court, Superior Court (“Supreme Court” in New York) and Federal District Court in New Hampshire, Maine, Vermont, New York, Massachusetts, Georgia, California and New Mexico (not all Courts in all jurisdictions).

Memberships:

American Society of Civil Engineers

Charter member, **Congress for the New Urbanism**

Institute of Transportation Engineers (Fellow); member of ITE Transportation Expert

Witness, Traffic Engineering, Transit, Transportation Planning, Parking and Pedestrian and bicycle Councils

Positions Held:

- Founder: White Mountain Survey Company Co. Inc. / White Mountain Survey & Engineering, Inc.
- Founder and Consultant: TND Engineering
- Director of Development: NewMedico Associates, Inc.
- Board Member: White Mountain National Bank
- Board Member: Congress for the New Urbanism (National and New England Chapters)
- Principal: Nelson\Nygaard Consulting Associates
- Director of Design: Smart Growth America

Personal:

Rick is an avid photographer, and he enjoys walking, reading, science and exploring.