



KITTELSON LLC

FORENSIC TRANSPORTATION ENGINEERING

CHRISTOPHER B. TIESLER, P.E., PTOE, P.ENG.
SENIOR PRINCIPAL ENGINEER

EDUCATION

- Bachelor of Science in Mechanical Engineering, Northwestern University, 2003

PROFESSIONAL STATUS

- Licensed Professional Civil Engineer, State of Alabama, License No. 50626
- Licensed Professional Civil Engineer, State of Alaska, License No. ALEC12427
- Licensed Professional Civil Engineer, State of Connecticut No. 37288
- Licensed Professional Civil Engineer, District of Columbia, License No. PE905942
- Licensed Professional Civil Engineer, State of Maryland, License No. 38493
- Licensed Professional Civil Engineer, State of Maine, License No. 17718
- Licensed Professional Civil Engineer, State of Minnesota, License No. 61357
- Licensed Professional Civil Engineer, State of New Hampshire, License No. 17342
- Licensed Professional Civil Engineer, State of North Carolina, License No. 039413
- Licensed Professional Civil Engineer, State of Oregon, License No. PE80404
- Licensed Professional Civil Engineer, State of Pennsylvania, License No. 79717
- Licensed Professional Civil Engineer, State of Rhode Island, License No. 14988
- Licensed Professional Civil Engineer, State of Virginia, License No. 0402047441
- Licensed Professional Civil Engineer, State of Vermont, License No. 018.0125792
- Licensed Professional Civil Engineer, State of Washington, License No. 44993
- Licensed Professional Civil Engineer, State of West Virginia, License No. 18855
- Licensed Professional Engineer, Province of Alberta, Canada, License No. 311564
- Licensed Professional Engineer, Province of British Columbia, Canada, License No. 62443

PROFESSIONAL ASSOCIATIONS

- Institute of Transportation Engineers (ITE)

PROFESSIONAL EXPERIENCE

KITTELSON & ASSOCIATES, INC.

2003-Present

Responsible for a wide range of projects that include alternatives analyses, safety studies, multimodal transportation impact analyses, transportation system plans, field data collection, sight distance review, access and circulation studies, functional roadway/intersection design (including interchanges and roundabouts), traffic volume forecasting, transportation system modeling, intersection operational analyses, access and circulation assessment, parking lot access and circulation review, arterial traffic signal coordination issues, report preparation, and public presentations. Managed development of roadway corridor plans considering capacity, access management, safety, and operations. Managed preparation of 20-year transportation system plans for communities considering pedestrian, bicycle, automobile, freight,

and transit needs. Served as engineer of record for roundabout, traffic signal, signing and striping, and street lighting design plans. On a national level, was a primary author of NCHRP Report 672, the 2nd edition of FHWA's *Roundabouts: An Informational Guide*. and has assisted in efforts to update statewide roundabout guides for Kansas and Pennsylvania. Taught several short courses on roundabout design and the *Highway Safety Manual* in Pennsylvania and Virginia.

EXPERT WITNESS ACTIVITIES

Assisted attorneys in private practice and government attorneys in condemnation cases and property access rights pending or filed in the state of Virginia. Analyzed the design and operation of traffic control devices and driveways to determine if their presence or absence contributed to or caused an accident to occur. Assisted attorneys in private practice for personal injury cases in Virginia stemming from pedestrian/vehicle collisions and evaluated the effect of pavement markings and traffic control device design in the crashes.

SELECTED PUBLICATIONS

With co-authors L. Rodegerdts, J. Bansen, J. Knudsen, E. Myers, M. Johnson, M. Moule, B. Persaud, C. Lyon, S. Hallmark, H. Isebrands, R. B. Crown, B. Guichet, and A. O'Brien. NCHRP Report 672: *Roundabouts: An Informational Guide, Second Edition*. Transportation Research Board of the National Academies, Washington, D.C., 2010.

SELECTED LECTURES & PRESENTATIONS

2014 – Southern District Institute of Transportation Engineers Annual Meeting (March 31, 2014)

- US 15/US 50 Roundabout - Gilberts Corner, Virginia

2014 – TRB 4th International Conference on Roundabouts (April 17, 2014)

- Virginia Department of Transportation Statewide Roundabout Guidance Development

2015 – Southern District Institute of Transportation Engineers Annual Meeting (April 21, 2015)

- Maximizing Conceptual Design Value: I-95/I-85 Interchange Feasibility Study

2015 – SimCap-NC User Group Fall Meeting (September 24, 2015)

- Understanding the Developer's Perspective and Creating a Multi-Modal Development Review Process

2016 – Southern District Institute of Transportation Engineers Annual Meeting (April 11, 2016)

- N Sycamore Street Complete Street Design – Protected Intersection Design

2022 – Southern District Institute of Transportation Engineers Annual Meeting (March 28, 2022)

- Zion Crossroads: Bowtie Intersection

2023 – Virginia Section Institute of Transportation Engineers Annual Meeting (June 15, 2023)
– Raising the Floor for Safety: NCHRP Report 1036: Guide for Roadway Cross Section
Reallocation

EXPERT NOT RETAINED