

COLLIN HURLER, P.E., RSP1

EDUCATION:

B.S. in Civil Engineering, Rowan University, Glassboro, NJ, 2016

REGISTRATION:

Licensed Professional Engineer: Arizona, Colorado, Georgia, Nevada, Texas, and Utah

National Council of Examiners for Engineering and Surveying (NCEES) Record Holder – Model Law Engineer (MLE)



EXPERIENCE:

Transportation Engineering Manager, Knott Laboratory, LLC, Centennial, CO, January 2025 to Present

Project Manager, Knott Laboratory, LLC, Centennial, CO, January 2024 to January 2025

Project Engineer, Knott Laboratory, LLC, Centennial, CO, February 2022 to January 2024

Transportation Engineer, Wilson & Company, Inc., Colorado Springs, CO, January 2021 to February 2022

Transportation EIT, Wilson & Company, Inc., Colorado Springs, CO, May 2019 to January 2021

Highway Designer, Hardesty & Hanover, LLC, Mount Laurel, NJ, May 2016 to May 2019

Highway/Traffic Intern, Hardesty & Hanover, LLC, Mount Laurel, NJ, June 2015 to May 2016

Civil Engineering Intern, Bernier, Carr & Associates, Watertown, NY, May 2014 to August 2014

FORENSIC ENGINEERING:

Mr. Hurler has conducted, analyzed, and testified to numerous forensic engineering investigations in a wide variety of fields including, but not limited to:

- Transportation Engineering:
 - Vehicle, bicycle, pedestrian, scooter, and micromobility accidents, collisions, crashes, and falls resulting in both injuries and fatalities
 - Roadway, highway, and multimodal transportation facility design, construction, and maintenance
 - Evidence-based road safety principles and quantitative analysis, nominal vs. substantive safety, the "Safe System" approach, and the evaluation of crash data quality and limitations
 - Human factors in transportation, including the interaction between road user limitations, cognitive workload, positive guidance principles, and roadway infrastructure elements
 - Geometric design of highways and streets, including horizontal and vertical alignments; superelevation design; intersection design; driveway/access design; conflict point analysis, design, and mitigation; roadside design; and design vs operating (posted) speeds
 - Sight distance, including stopping sight distance, intersection sight distance, sight distance on horizontal and vertical curves, decision sight distance, and passing sight distance
 - Permanent and temporary traffic control, including signing, striping, traffic control devices, traffic control plans, temporary construction zones, pedestrian control features, and MUTCD compliance
 - Pedestrian infrastructure, roadway crossings, and pedestrian safety
 - Data-driven diagnosis of safety problems and program evaluation, including network screening, identification of crash patterns, and the selection and implementation of countermeasures

- School zones and associated vehicular control, pedestrian control, and crossings
- Utility design, construction, maintenance, and associated impacts to road user safety
- Layouts, design, and safety of private and commercial properties and parking facilities
- Analysis of contracts, scopes of work, projects specifications, bids/estimates, RFIs, change orders, etc.
- Compliance with applicable regulations, codes, standards, and guidance from AASHTO, USDOT, FHWA, NHTSA, MUTCD, NACTO, NCHRP, TRB, SAE, ADA, PROWAG, ADA, AHJs, and more
- Premises Liability:
 - Personal injury, including trip-and-falls, slip-and-falls, step-and-falls
 - Pedestrian walkway safety and footwear, including stairway safety and public/private infrastructure
 - Design, construction, and maintenance of grading and drainage infrastructure and civil infrastructure, including snow and ice removal and mitigation.
 - Lighting and visibility evaluations
 - Compliance with ADA, IBC, IRC, IFB, IPMC, UBC, PROWAG, NFPA, UFAS, ABA, HUD, FHAA, etc.
- Civil Engineering and Construction Defect:
 - Deficient grading and drainage and associated moisture intrusion
 - Degradation, failure, and compliance of asphalt and concrete pavements and infrastructure
 - Stormwater system failure, subsurface utilities, and directional drilling/boring
 - Expansive and unsuitable soils
 - Retaining and landscaping wall collapses and failures
 - Structural and building envelope deficiencies
- Property Insurance and Damage:
 - Hail losses, wind losses, fire losses, freeze losses, snow load losses, pipe bursts, moisture intrusion, and age-related deterioration

TRANSPORTATION ENGINEERING AND DESIGN:

Mr. Hurler has substantial previous experience in the field of Transportation Engineering Design prior to entering the field of Forensic Engineering. This involved providing technical design expertise and leading the design of countless high-profile roadway/traffic engineering projects in numerous states and for dozens of local agencies. His expertise is in roadway and highway design, geometric design, three-dimensional modeling, and development of design plans and detailed cost estimates. He has worked on a wide array of civil and transportation engineering projects including but not limited to major highway projects; both existing and new construction; intersection improvements; sight distance analysis and design; guardrail design; signing and striping analysis and design; utility design; ADA design; sidewalk and shared-use path design; driveway and access design; pedestrian and bicycle facility design; surfacing improvements; safety, capacity, and congestion improvements; site development; bridge replacements; and drainage improvements.

MEMBERSHIPS AND PROFESSIONAL AFFILIATIONS:

Mr. Hurler is a member of the following technical and professional societies:

ASCE	American Society of Civil Engineers	NFPA	National Fire Protection Association
ASTM	International – Committees E58 & F13	NSPE	National Society of Professional Engineers
ITE	Institute of Transportation Engineers	TDI	Transportation and Development Institute

TECHNICAL CONFERENCES AND SEMINARS (PRESENTER):

1. "Conflict Points: Design and Investigation." Presenter. Colorado Department of Transportation 2026 Colorado Traffic Safety Summit, Grand Junction, CO, July 14, 2026
2. "The Geometry of Safety: Understanding Conflict Points, Innovative Roadway Designs, and Forensic Engineering Investigations." Presenter. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, February 20, 2026
3. "Understanding and Using the MUTCD." Presenter. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, July 18, 2025
4. "Sight Distance Design, Analysis, and Forensic Engineering Investigation." Presenter. Hall & Evans, LLC Continuing Education Series, Denver, CO, June 1, 2023
5. "Introduction to Sight Distance Design and Analysis." Presenter. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, November 11, 2022

TECHNICAL CONFERENCES AND SEMINARS (ATTENDEE):

1. Seminar. "Every Point Matters: Building a Culture of Safety One Decision at a Time," Dr. Terry Chase, ND, MA, RN, CEIP-ED – Theresa Chase, LLC. Colorado Department of Transportation 2026 Colorado Traffic Safety Summit, Grand Junction, CO, July 16, 2026
2. Seminar. "From Installation to Impact: Evaluating Vision Zero Projects in Denver," Rae Stephani, PE, PTOE, RSP - Y2K Engineering; Rinal Chheda, PE, PTOE - City and County of Denver. Colorado Department of Transportation 2026 Colorado Traffic Safety Summit, Grand Junction, CO, July 16, 2026
3. Seminar. "Almost a Crash, Actually a Clue: Using Near-Miss Data to Shape Vision Zero Strategies," Erik Braaten, RSP1 - Denver Regional Council of Governments; Darrell Alston, PE, PTOE - City of Thornton; Patrick Picard, AICP, RSP1 - Fehr and Peers. Colorado Department of Transportation 2026 Colorado Traffic Safety Summit, Grand Junction, CO, July 15, 2026
4. Seminar. "DRCOG's Quick-Build Toolkit: Materials, Countermeasures, Evaluation Tools, and More," Kathryn Rush, AICP - Denver Regional Council of Governments. Colorado Department of Transportation 2026 Colorado Traffic Safety Summit, Grand Junction, CO, July 15, 2026
5. Seminar. "The Final Errand: What Fatal Crashes Involving Aging Drivers Reveal to Engineers, Investigators, and Public Health," Matt Duncan, PE, PTOE – Metro Trax Engineering; Michelle Boscia, Public Health Educator Fremont County Department of Public Health and Environment. Colorado Department of Transportation 2026 Colorado Traffic Safety Summit, Grand Junction, CO, July 15, 2026
6. Seminar. "Safe Multimodal Arterials," Jennifer Carpenter, RSP1, Senior Transportation Planner - Michael Baker International; Josh Sender, PE, RSP1, Senior Traffic Safety and Multimodal Engineer - Adams County Public Works; Maddie Verzyl, EIT - Michael Baker International. Colorado Department of Transportation 2026 Colorado Traffic Safety Summit, Grand Junction, CO, July 15, 2026
7. Seminar. "Making Arterials Safe for Bicyclists," Trung Vo, PE, AICP – Denver Office Director – Toole Design. Colorado Department of Transportation 2026 Colorado Traffic Safety Summit, Grand Junction, CO, July 15, 2026
8. Seminar. "Safe Systems Infrastructure in Australia: Lessons from Down Under," Gerritt Slatter, Senior Civil Engineering Manager for Capital Projects - City of Boulder. Colorado Department of Transportation 2026 Colorado Traffic Safety Summit, Grand Junction, CO, July 15, 2026
9. Seminar. "US 50 Road Safety Audit," Max Rusch, Pem PTOE, RSP – Stolfus & Associates. Colorado Department of Transportation 2026 Colorado Traffic Safety Summit, Grand Junction, CO, July 14, 2026

10. Seminar. "Crash Site Response Demonstration," Colorado Department of Transportation's Traffic Incident Management Team. Colorado Department of Transportation 2026 Colorado Traffic Safety Summit, Grand Junction, CO, July 14, 2026
11. Seminar. "Welcome & High-Impact Strategies Panel," Sheriff Todd Rowell; Shoshana Lew, Executive Director – CDOT; Dana Brosig, Director - Mesa County Regional Transportation Planning Office; San Lee, State Traffic Engineer – CDOT; Skyler McKinley, Regional Director of Public Affairs – AAA; Molly Kadota, Healthy Communities Coordinator – CDPHE. Colorado Department of Transportation 2026 Colorado Traffic Safety Summit, Grand Junction, CO, July 14, 2026
12. Conference. Colorado Department of Transportation 2026 Colorado Traffic Safety Summit, Grand Junction, CO, July 14, 2026 – July 16, 2026
13. Seminar. "Report Writing with Proven Focus," Carrie Frank, Esq. & Jennifer Moore, Esq., Proven Focus. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, June 26, 2026
14. Seminar. "Summarization of the 2026 EDR Symposium," Brent Graham, ACTAR. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, May 29, 2026
15. Seminar. "Ethics: From Theory to Practice," Carlos Bertha, Ph.D, COL (USA, Ret.), M.ASCE. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, May 22, 2026
16. Seminar. "Camera and Video Basics and Their Impact on Visualization Work," Bishop Goguen, B.F.A. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, March 27, 2026
17. Seminar. "Rule 702 - Navigating the Rules of Evidence," Jason P. Evans, M.B.A., B.S. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, October 3, 2025
18. Seminar. "Daubert," Carrie Frank, J.D., M.S.S.W., Proven Focus. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, September 26, 2025
19. Seminar. "Civil 3D Heat Maps and More," Samuel Dougherty, M.S., PE. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, September 19, 2025
20. Seminar. "Applied Statistics for Engineers," Bill Seites-Rundlett, Ph.D. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, August 22, 2025
21. Seminar. "Matchmoving and Object Tracking," David Ridder, B.F.A. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, August 1, 2025
22. Seminar. "Point Clouds - Point Cloud Registration and Processing Tools," Bishop Goguen, B.F.A.. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, May 30, 2025
23. Seminar. "Forensic Investigations," Hank Mowry, P.E., DFE. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, May 2, 2025
24. Seminar. "Upping Your Testimony Game," Jennifer O. Moore, Esq., Queener Law. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, April 25, 2025
25. Seminar. "Recon3D - Handheld iPhone Scanning for Forensics," Seth Behrens, P.E., DFE. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, March 14, 2025
26. Seminar. "Survey Without Suffering? An Intro to Knott's New RTK Drone," David Torsiello, PE. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, October 25, 2024
27. Seminar. "Assessing Wood Structures, Balconies and Decks," Kevin Moore, P.E., S.E. and Kelly Cobein, S.E., NCSEA. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, September 27, 2024
28. Seminar. "Assessing Concrete and Parking Structures," Craig Racey, P.E. and Andrea Shear, P.E., NCSEA. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, September 20, 2024

29. Seminar. "Building Investigations and Assessments 101," Stanley Stoll, M.Eng., P.E., DFE. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, August 28, 2024
30. Seminar. "7 Best Practice Tips for AEC and Building Documentation," Clair Vander Swaag, Leica Geosystems. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, August 9, 2024
31. Seminar. "Code Compliance & Existing Structures," Patrick Sparks, PE, NCSEA. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, July 26, 2024
32. Seminar. "Ethical Behavior - The Key to Earning Trust," Stuart G. Walesh, Ph.D., P.E., F.NSPE, Dist.M.ASCE. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, July 12, 2024
33. Seminar. "Current Event Data Recorder Tech for Vehicle Crash Reconstruction, Part 2," Ricky Nguyen, P.E.. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, March 29, 2024
34. Seminar. "Current Event Data Recorder Tech for Vehicle Crash Reconstruction, Part 1," Ricky Nguyen, P.E.. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, March 15, 2024
35. Seminar. "What is Twinmotion Good At," Stanley Stoll, M.Eng., P.E., DFE, CFEI, CVFI. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, November 3, 2023
36. Seminar. "A Refresher Course on Cause Determination," Hank Mowry, PE. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, October 13, 2023
37. Seminar. "Getting Started with Point Cloud Data," Hank Mowry, PE. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, September 22, 2023
38. Seminar. "Construction Inspection of Geosynthetic Reinforced Mechanically Stabilized Earth (MSE) Walls," Robert M. Koerner, Ph.D., P.E., NAE, Hon. ASCE. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, August 25, 2023
39. Seminar. "Illumination in Premises Liability Investigations," Hank Mowry, PE. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, August 11, 2023
40. Seminar. "Tesla Event Data Recorder (EDR) Download and Analysis," Seth Behrens, PE. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, July 28, 2023
41. Seminar. "Ethics for Engineers," National Academy of Forensic Engineers (NAFE). Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, June 30, 2023
42. Seminar. "Light and Medium Duty Trailer Design," Seth Behrens, PE. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, May 12, 2023
43. Seminar. "Report Writing," Hank Mowry, PE. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, April 28, 2023
44. Seminar. "The Most Difficult Questions for Experts: With Answers," Hank Mowry, PE. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, April 14, 2023
45. Seminar. "Cross-Examination: How to be an Effective and Ethical Expert Witness," Hank Mowry, PE. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, March 31, 2023
46. Seminar. "Winning Over the Jury: Techniques for Experts that Work," Hank Mowry, PE. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, March 17, 2023
47. Seminar. "How to Testify at Deposition & Trial: Fundamental Techniques and Ethical Expert Witness," Hank Mowry, PE. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, March 3, 2023
48. Seminar. "Standard Procedure for Inspections," Hank Mowry, P.E.; Timothy Maloney, P.E.; Stanley Stoll, P.E. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, January 27, 2023

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49. Seminar. "Introduction to Photogrammetry," Kacie Hultgren. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, October 28, 2022
50. Seminar. "Project Management Foundations: Schedules Part 2 of 2," Bonnie Biafore, PMP Trainer. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, August 12, 2022
51. Seminar. "Project Management Foundations: Schedules Part 1 of 2," Bonnie Biafore, PMP Trainer. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, July 29, 2022
52. Seminar. "Trip and Falls and Slip Resistance," Hank Mowry, PE. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, July 1, 2022
53. Seminar. "Surveying - From the Field to CAD," Cade Caldwell, P.E. and Zach Henrichs, M.S., P.E. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, May 6, 2022
54. Seminar. "Engineering the Future: 2020 Code of Ethics," Stanley C. Stoll, M.Eng., P.E., D.F.E. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, March 11, 2022
55. Seminar. "The US Legal System and Expert Witness," Stanley C. Stoll, M.Eng., P.E., D.F.E. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, March 10, 2022
56. Seminar. "Reasonable Degree of Engineering Certainty," Hank Mowry, PE. Knott Laboratory, LLC Continuing Education Seminar, Centennial, CO, March 10, 2022

CERTIFICATIONS AND TRAINING:

- Transportation Professional Certification Board (TCPB) – Roadway Safety Professional 1 (RSP1), Received March 2026 (Certification).
- Institute of Transportation Engineers – ITE Road Safety Professional (RSP) Level 1 Refresher Course, February 2026 (Training).
- Occupational Health and Safety Administration (OSHA) – OSHA 40 Hour Construction Safety and Health, May 10, 2021, Trainer: Curtis Eugene Chambers, 26-607338378 | 26-007334244 (Training and Certification).
- Colorado Contractor's Association – Traffic Control Supervisor, June 18, 2021 (Training).

EXPERT TESTIMONY:

As a result of Mr. Hurler's investigations and analyses, he has been accepted and qualified to testify in state court as an expert in forensic engineering investigations including as an expert in Transportation Design and Construction and Sidewalk Safety, and has provided testimony as an expert related to Asphalt Pavement Maintenance and Pedestrian Walkway Safety.