

**Highlights**

- Civil Engineering Degree
- Mechanical Engineering Degree
- Dual Masters Degrees
- PhD Student

**Expertise**

- Civil Engineering
- Professional Liability Claim
- Litigation Support & Expert Testimony (Civil Engineering)
- Litigation Support & Expert Testimony (Forensics)
- Litigation Support & Expert Testimony (Construction)
- Construction Defect
- Surety
- Contract Claim
- Construction Claim Analysis & Prep
- Cost to Complete Studies
- Project Relets & Bidding
- Damages
- Cost of Repair
- Construction Estimating
- Property Condition Assessments
- LEED Assessment & Certification
- Program Management
- Loss Control

**Lance VanDemark, PE | Vice President, Civil Engineering**

**EMAIL** lvandemark@vertexeng.com | **PHONE** 303.623.9116

**BIOGRAPHY**

Lance VanDemark has over 19 years of experience in Civil Engineering & Land Development and has a strong educational background in Structural Engineering & Engineering Management. Mr. VanDemark has provided comprehensive Civil Land Development Services on a multitude of projects including grading, drainage, utilities design in addition to entitlements and project management. Additionally, Mr. VanDemark has provided over 8 years of assignments in Civil Forensics since joining Vertex in early 2012. Mr. VanDemark has been retained on construction defect and expert witness files for residential, commercial and heavy civil engineering projects across the US. In addition to the construction defect and expert witness work, Mr. VanDemark has also worked on cost to complete, surety, insurance and eminent domain claims.

**EDUCATION/TRAINING**

- Ph.D., Engineering and Applied Science, University of Colorado - Denver (Expected Graduation December 2020)
- M.S., Engineering Systems, Colorado School of Mines 2005
- M.S., Engineering and Technology Management, Colorado School of Mines 2004
- B.S., Civil Engineering, Colorado School of Mines 1999
- B.S., Mechanical Engineering, Colorado School of Mines 1999

**LICENSES/CERTIFICATIONS**

- Professional Engineer (PE) – Civil, State of AL, AR, AZ, CO, CT, DC, DE, FL, GA, HI, IA, ID, IL, IN, KS, KY, LA, MA, MD, MI, MN, MO, MS, MT, NC, ND, NE, NH, NJ, NM, NV, NY, OK, OR, PA, RI, SD, TN, TX, UT, VA, VT, WA, WI, WV, WY
- 10 Hour OSHA Training

**SPECIAL TRAINING**

Software: AutoCAD, WaterCAD, MathCAD, Flowmaster, Solidworks, Microsoft Project

**ASSOCIATIONS**

- Editorial Board/Associate Editor - American Society of Civil Engineers (ASCE) - Journal of Legal Affairs and Dispute Resolution in Engineering and Construction
- Member American Society of Civil Engineers (ASCE)
- Member National Society of Professional Engineers (NSPE)
- Member American Water Works Association (AWWA)
- Member American Institute of Steel Construction (AISC)

**PUBLICATIONS/PRESENTATIONS**

VanDemark, L and Clevenger, C., Forthcoming, *Site Civil Issues within Construction Defect Litigation*, ASCE Journal of Legal Affairs and Dispute Resolution, 2020, 12(1): 05019010. DOI: 10.1061/(ASCE)LA.1943-4170.0000418.

VanDemark, L and Clevenger, C., *Common Disputes in Eminent Domain Cases*, ASCE Journal of Legal Affairs and Dispute Resolution, 2020, 12(1): 05019010. DOI: 10.1061/(ASCE)LA.1943-4170.0000358.

VanDemark, L, Clevenger, C. and Brogan E., *Designating Responsible Parties for Drainage within Five*

*Feet of a Building*, ASCE Journal of Legal Affairs and Dispute Resolution, 2019, 11(3): 03719001. DOI: 10.1061/(ASCE)LA.1943-4170.0000298

VanDemark, L and Clevenger, C., *Risk Mitigation for the Design and Installation of Underdrain Systems*, ASCE Journal of Legal Affairs and Dispute Resolution, 2018, 10(4): 03718001. DOI: 10.1061/(ASCE)LA.1943-4170.0000268.

VanDemark, L and Clevenger, C., *Estimation of Infiltration Based on Development Density and Soil Type for Denver, Colorado*, ASCE 2018 Construction Research Congress.

Published thesis *Recording-based characterization and quantification of earthquake-induced site nonlinearity*, Lance P. VanDemark, Colorado School of Mines Engineering Department, (2005). Contributed to *On estimating site damping with soil non-linearity from earthquake recordings* by Ray Zhang, International Journal of NonLinear Mechanics, (2004).

February-2020: Presented *Site Civil Issues within Construction Defect Litigation*, for the ASCE Journal of Legal Affairs and Dispute Resolution at the ASCE Construction Institute Summit

March-2019: Presented *Designating Responsible Parties for Drainage within Five Feet of a Building*, for the ASCE Journal of Legal Affairs and Dispute Resolution at the ASCE Construction Institute Summit

August-2019: Presented *Common Disputes in Eminent Domain Cases* for the ASCE Journal of Legal Affairs and Dispute Resolution International Workshop in Hong Kong for the ASCE Construction Institute

March-2018: Presented *Risk Mitigation for the Design and Installation of Underdrain Systems*, for the ASCE Journal of Legal Affairs and Dispute Resolution at the ASCE Construction Institute Summit