



Mr. Transue specializes in condition evaluation of structures, material testing and research, construction litigation, and the design of repairs and retrofits for existing structures. He has worked extensively using nondestructive techniques for imaging and investigation of structural components.

## LICENSURE & EDUCATION

Licensed Professional Engineer: Colorado, 2002, No. 36700  
B.A. Philosophy, The College of Wooster, Wooster, Ohio, 1988  
B.S. Civil Engineering, The University of Colorado at Denver, 1996  
M.S. Civil Engineering (Structural), The University of Colo. at Denver, 1999

## WORK HISTORY

Project Engineer, Western Engineering & Research Corporation, Denver, Colorado  
Project Engineer, Transue Engineering Associates LLC, Boulder, Colorado  
President, Preservation Technology LLC, Boulder, Colorado  
Project Engineer, Atkinson-Noland & Associates, Boulder, Colorado

## EXPERIENCE

Mr. Transue has worked as a consulting structural engineer since 1998, specializing in the evaluation and repair of existing structures. Mr. Transue has worked as a masonry contractor with Preservation Technology since 2000. Masonry restoration projects have included structural stabilization of facades, rebuilding of load bearing walls, historic monument restoration, stone tooling, carving and replacement, rebuilding foundations, and other restoration activities and structural repairs for commercial, institutional and private clients.

Mr. Transue has served on several committees for the American Society of Testing and Materials. During 2002-2004 he was chairman of a task group on nondestructive evaluation of masonry and another task group on mortar hardness testing.

## AFFILIATIONS

Mr. Transue is a member of The American Society of Civil Engineers (ASCE), The American Society for Testing and Materials (ASTM), and The Masonry Society (TMS).

## PUBLICATIONS

Mr. Transue has published numerous articles on bridge evaluation and management, structural condition assessment, and concrete issues.

1. Grimm, C.T., D.J. Transue (2009 Revisions), Chapter 13 on Masonry, Forensic Structural Engineering, 2nd. Edition, American Society of Civil Engineers, Accepted for Publication in 2009.
2. Transue, D.J., "Masonry Material Evaluation," Proceedings of ASCE Structures Congress 2006: Structural Engineering and Public Safety, American Society of Civil Engineers, Reston VA, 2006.
3. Rens, K.L., C. Noguera, & D.J. Transue, *Bridge Evaluation and Nondestructive Evaluation, The Denver Management System*, Journal of Performance of Constructed Facilities, ASCE 2005.
4. Transue, D.J., Chapter 18 on Masonry, Structural Condition Assessment, SEI/ASCE, Edited by Robert T. Ratay, PhD, PE, Structural Engineering Institute, American Society of Civil Engineers, John Wiley & Sons, Inc., 2005.



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5. Rens, K.L., C.L. Nogueira, and D.J. Transue "Bridge Evaluation using Nondestructive Evaluation -- The Denver Management System" Forensic Engineering - proceedings of the third congress. San Diego, California, October 2003.
6. Transue, D.J., "Conducting In-Place Shear Tests," Masonry Construction, Volume 16, Number 7, Hanley-Wood, Addison, IL, September, 2003.
7. Rens, K.L. and D.J. Transue, "Tomographic Imaging of Cracked Pier Cap of Evans over Santa Fe Bridge," Concrete Repair Bulletin, Volume 15, Number 4, International Concrete Repair Institute, Des Plaines, IL, July/August 2002.
8. Rens, K.L., D.J. Transue, M.P. Schuller, "Acoustic Tomographic Imaging of Concrete Infrastructure," Journal of Infrastructure Systems, American Society of Civil Engineers, N.Y., N.Y., Volume 6, Number 1, pp 15-23, March 2000.
9. Transue, D.J., "Tech Notes: Using Ethyl Silicate Consolidants on Bricks," Colorado Preservationist, Colorado Preservation, Denver, CO, Volume 14, Number 1, Spring 2000.
10. Transue, D.J., "Sounding for Grout and Steel in Masonry Walls," TMS Responds, Volume 1, Number 2, The Masonry Society, 2000.
11. Transue, D.J., M.P. Schuller, and K.L. Rens, "Use of the Pendulum Hammer Hardness Test for Mortar Evaluation," Proceedings of the Eighth North American Masonry Conference, Austin, Texas, June 6-9, The Masonry Society, 1999.
12. Transue, D.J., Nondestructive Method for Hardness Evaluation of Mortars, M.S. Thesis, University of Colorado at Denver, 1999.
13. "Nondestructive Method for Hardness Evaluation of Mortars," (with the Rocky Mountain Masonry Institute, the University of Colorado at Denver, and Atkinson-Noland & Associates), Project report for the National Center for Preservation Technology and Training, National Park Service, Grant Agreement No. MT-2210-7-NC-013, Natchitoches, LA, 1998.
14. Rens, K.L. and D.J. Transue, "Recent Trends in Nondestructive Inspections in State Highway Agencies," Journal of Performance of Constructed Facilities, Technical Note, American Society of Civil Engineers, NY, NY. Volume 12, Number 2, 1998.
15. Transue, D.J., "Examination of Ultrasonic Signal Attenuation as an Indicator of Compressive Strength," Graduate Research Opportunity Project, the University of Colorado at Denver, June 1998.
16. Rens, K.L. and D.J. Transue, "Cement Manufacturing Project: Improving Plant Output by Mitigating Static Electricity," Report for the Portland Cement Association, Account 353-6614, September, 1998.
17. Transue, D.J., K.L. Rens, and M.P. Schuller, "A Study of the Practicality of Acoustic Tomographic Imaging for the NDE of Concrete Structures," Infrastructure Condition Assessment: Art, Science, and Practice, Ed. Mitsuru Saito, American Society of Civil Engineers, NY, 1997.