

Biographical Sketch

Reginald R. Souleyrette, Ph.D., P.E., F. ASCE
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(a) Professional Preparation

University of Texas	Austin	Civil Engineering	B.S., 1984
University of Texas	Austin	Civil Engineering	M.S., 1986
University of California	Berkeley	Civil Engineering	Ph.D., 1989

(b) Appointments

University of Kentucky Department of Civil Engineering

- Chair, Department of Civil Engineering, 2014-present
- Commonwealth Chair Professor of Transportation Engineering, 2011-present
- Program Manager, Planning and Education, Kentucky Transportation Center, 2012-present

Iowa State University, Department of Civil, Construction and Environmental Engineering

- Gerald and Audrey Olson Professor, 2003-2011
- Associate Department Head, 2007 – 2010
- Director of Graduate Education 2003-2007
- Associate Director, Center for Transportation Research and Education, 1993-2011
- Associate Professor, 1996- 2003
- Assistant Professor, 1993- 1996

University of Nevada, Las Vegas, Department of Civil and Environmental Engineering

- Assistant Professor, 1989-1993
- Assistant Director, Nuclear Waste Transportation Research Center (1989-1993)

(c) Publications

- Pratelli, A., Sechi, P. and R. Souleyrette. “Upgrading Traffic Circles to Modern Roundabouts to Improve Safety and Efficiency – Case Studies from Italy,” *Promet – Traffic & Transportation*, Vol. 30, 2018, No. 2, pp. 217-229.
- O’Connell, L. and R. Souleyrette, “Kentucky's Program for Traffic Records Performance Management: Lessons Learned and Implications for Database Reform Policies,” *Transportation Research Record, Journal of the Transportation Research Board (TRR)*. No. 2643, DOI: 10.3141/2643-06, 2017, pp. 45-53. Print ISSN: 0361-1981
- Liu, Q., T. Wang and R. Souleyrette, “A 3D Evaluation Method for Rail-Highway Hump Crossings,” *Journal of Computer-Aided Civil and Infrastructure Engineering* 32 (2017) 124–137, DOI: 10.1111/mice.12244.
- Malloy, B., J. Rose, and R. Souleyrette, “Rehabilitation of Railway/Highway At-Grade Crossings: Recommendations and Guides,” *TRR*. No. 2545, 2016, pp. 100-114.
- Wang, T., R. Souleyrette, D. Lau, A. Aboubakr and E. Randerson. “A Dynamic Model for Quantifying Rail-Highway Grade Crossing Roughness.” *Journal of Transportation Safety and Security*. Online. DOI: 10.1080/19439962.2015.1048016, 05 November 2015.

- McHenry, M., M. Brown, J. LoPresti, J. Rose, and R. Souleyrette, “The Use of Matrix Based Tactile Surface Sensors to Assess the Fine Scale Ballast-Tie 1 Interface Pressure Distribution in Railroad Track,” TRR. No. 2476, 2015, pp. 23-31.
- Xu, P., Q. Sun, R. Liu, R. Souleyrette, and Y. Tang, “Optimal Match Method for Milepoint Postprocessing of Track Condition Data from Subway Track Geometry Cars,” ASCE Journal of Transportation Engineering; 04/2016; [http://dx.doi.org/10.1061/\(ASCE\)TE.1943-5436.0000859](http://dx.doi.org/10.1061/(ASCE)TE.1943-5436.0000859)
- Li, P. and R. Souleyrette, “A Generic Method to Estimate Freeway Traffic State Using Vehicle ID-matching Technologies,” Journal of Computer-Aided Civil and Infrastructure Engineering. Article published online: 20 JUL 2015, DOI: 10.1111/mice.12159
- Xu, P., Q. Sun, R. Liu., R. Souleyrette and F. Wang, “Optimizing the Alignment of Inspection Data from Track Geometry Cars,” Journal of Computer-Aided Civil and Infrastructure Engineering Volume 30, Issue 1, 2015 pp. 19-35.
- Gkritza, K., R. Souleyrette, M.J. Baird, and B. Danielson, “Empirical Bayes Approach for Estimating Urban Deer-Vehicle Crashes Using Police and Maintenance Records,” ASCE Journal of Transportation Engineering 140(2), 04013002, 2014.
- Fitzsimmons, E., S. Nambisan R. Souleyrette and V. Kvam, “Analyses of Vehicle Trajectories and Speed Profiles along Horizontal Curves,” Journal of Transportation Safety and Security 5:3, 187-207, 2013
- Fitzsimmons, E., S. Nambisan and R. Souleyrette, “Measuring Horizontal Curve Vehicle Trajectories and Speed Profiles: Pneumatic Road Tube and Video Methods.” ASCE Journal of Transportation Engineering Volume 193, No. 3, 2013, pp. 1-11.
- Fitzsimmons, E., V. Kvam, R. Souleyrette, S. Nambisan and D. Bonett, “Determining Vehicle Operating Speed and Lateral Position along Horizontal Curves Using Linear Mixed-Effects Models,” Journal of Traffic Injury Prevention, 14:3, 2013, 309-321

(d) Synergistic Activities

- Research Director, Southeastern Transportation Center, University Transportation Center Program (2014–present)
- Instructor for National Highway Institute, “Railroad-Highway Grade Crossing Improvement Program,” FHWA/NHI 2-day workshop, Course #380005 (2013–present)
- Member of Scientific Committee for ASCE and TRB Specialty Conferences (2007-present)
- Member, Advisory Panel, National Academies Transportation Research Board, National Cooperative Highway Research Program (2013-2018)
- Peer Reviewer, National Academies Transportation Research Board Conference Reports (2015)
- Chair, National Academies Transportation Research Board, Data and Information Systems Section, (2010-2013)
- Co-Chair, National Academies Transportation Research Board, Geographic Information Systems Committee, (2005-2010)
- Served as co- editor of *The Role of New Faculty in the 21st Century, Computers in Engineering Education* (1990)