

Lisa K. Spainhour, Ph.D., P.E.

Professor and Chair, Department of Civil and Environmental Engineering, FAMU-FSU College of Engineering
2525 Pottsdamer Street, Tallahassee, Florida 32306

Email: spainhour@eng.famu.fsu.edu | Phone: 850.410.6123

(a) Professional Preparation

Ph.D. Civil Engineering, North Carolina State University, Raleigh, NC, 1994

M.S. Civil Engineering, North Carolina State University, Raleigh, NC, 1991

B.S. Summa Cum Laude in Civil Engineering, North Carolina State Univ., Raleigh, NC, 1989

(b) Appointments

11/2019-present Department Chair – Department of Civil & Environmental Engineering, Florida A&M-Florida State University

8/2010-present Professor – Department of Civil & Environmental Engineering, Florida A&M-Florida State University

8/1999- 7/2010 Associate Professor – Department of Civil & Environmental Engineering, Florida A&M-Florida State University.

8/1994-7/1999 Assistant Professor – Department of Civil & Environmental Engineering, Florida A&M-Florida State University.

(c) Selected Awards and Recognitions

2019 Engineer of the Year, Tallahassee Branch, American Society of Civil Engineers

2016 Engineering Service Award, FAMU-FSU College of Engineering

2013 Excellence in Online Course Design, Office of Distance Learning, Florida State University

2011 Engineer of the Year in Education Award, Big Bend Chapter, Florida Engineering Society

2007 Outstanding Paper Award, Pedestrian Committee, Transportation Research Board, for “Wootton, I.A. and Spainhour, L.K., ‘Examining Deficiencies in Florida Pedestrian Crash Data,’ Transportation Research Record, Journal of the Transp. Research Board” (2007)

(d) Selected Publications

Ulak, M., Ozguven, E. E., Vanli, O., Dulebenets, M., and **Spainhour, L.** (2018) “Bayesian Tobit Modeling of Crashes Involving Aging Drivers, Passengers, Bicyclists, and Pedestrians: Spatiotemporal Variations.” Accident Analysis and Prevention, No. 121, Pp. 1-13.

Ulak, M.B., Ozguven, E.E. and **Spainhour, L.K.** (2017) “Spatial Investigation of Aging-Involved Crashes: A GIS-Based Case Study in the Northwest Florida,” Journal of Transport Geography, No. 58, Pp. 71-91, Elsevier.

Ulak, M.B., Kocatepe, A., Ozguven, E., Horner, M. and **Spainhour, L.** “A GIS-Based Spatial and Statistical Analysis of Severe Crash Hotspot Accessibility to Hospitals,” Transportation Research Record, 2635, pp. 90-97, 2017.

Ulak, M. B., Ozguven, E. E., and **Spainhour, L.**, "Age-based Stratification of Drivers to Evaluate the Effects of Age on Crash Involvement", Transportation Research Procedia, 22, pp. 551-560, 2017.

Ulak, M.B., Ozguven, E.E., and **Spainhour, L.** (2016). “Investigation of Significant Factors Affecting Aging Involved Crashes: A Causal and Spatial Case Study in Northwest Florida,” 2016 UTC Conference for the Southeastern Region, Knoxville, TN, Mar 31-Apr 1, 2016.

Alam, B.M. and **Spainhour, L.K.** (2009) “Contribution of Behavioral Aspects of Older Drivers to Fatal Crashes in Florida,” *Transportation Research Record, Journal of the Transportation Research Board*, Number 2078, Pages 49-56. Based on a refereed paper presented at the 87th Annual Meeting of the Transportation Research Board, Washington, D.C.

(e) Selected Contracts and Grants

Spainhour, L.K. “Electronic License and Vehicle Information System, FY 23-24,” Florida Department of Transportation, 10/1/23-9/30/24, \$522,000.

Spainhour, L.K. “TraCS Training, Support, and Enhancement, FY 23-24,” Florida Department of Transportation, 10/1/23-9/30/24, \$1,138,000.

Spainhour, L.K. "Electronic License and Vehicle Information System, FY 22-23," Florida Department of Transportation, 10/1/22-9/30/23, \$499,791.

Spainhour, L.K. "TraCS Training, Support, and Enhancement, FY 22-23," Florida Department of Transportation, 10/1/22-9/30/23, \$1,117,452.

Spainhour, L.K. "Electronic License and Vehicle Information System, FY 21-22," Florida Department of Transportation, 10/1/21-9/30/22, \$500,000.

Spainhour, L.K. "TraCS Training, Support, and Enhancement, FY 21-22," Florida Department of Transportation, 10/1/21-9/30/22, \$996,253.

Spainhour, L.K. "Electronic License and Vehicle Information System, FY 20-21," Florida Department of Transportation, 10/1/20-9/30/21, \$542,490.

Spainhour, L.K. "TraCS Training, Support, and Enhancement, FY 20-21," Florida Department of Transportation, 10/1/20-9/30/21, \$ 924,268.

Spainhour, L.K. "Electronic License and Vehicle Information System, FY 19-20," Florida Department of Transportation, 10/1/19-9/30/20, \$518,883.

Spainhour, L.K. "TraCS Training, Support, and Enhancement, FY 19-20," Florida Department of Transportation, 10/1/19-9/30/20, \$ 885,999.

Spainhour, L.K. "Electronic License and Vehicle Information System, FY 18-19," Florida Department of Transportation, 10/1/18-9/30/19, \$511,584.

Spainhour, L.K. "TraCS Training, Support, and Enhancement, FY 18-19," Florida Department of Transportation, 10/1/18-9/30/19, \$ 900,400.

Spainhour, L.K. "Electronic License and Vehicle Information System, FY 17-18," Florida Department of Transportation, 10/1/17-9/30/18, \$312,490.

Spainhour, L.K. "TraCS Training, Support, and Enhancement, FY 17-18," Florida Department of Transportation, 10/1/17-9/30/18, \$882,600.

Spainhour, L.K. "Electronic License and Vehicle Information System, FY 16-17," Florida Department of Transportation, 10/1/16-9/30/17, \$527,000.

Spainhour, L.K. "TraCS Training, Support, and Enhancement, FY 16-17," Florida Department of Transportation, 10/1/16-9/30/17, \$579,195.

Spainhour, L.K. and Horner, M. "Safety Evaluation of Elder Drivers and Pedestrians at Roundabouts," FSU Center for Accessibility and Safety for an Aging Population/USDOT, 1/1/14-12/31/15, \$102,525 (includes \$68,350 from USDOT and \$34,175 from FSU in cost sharing).

Sobanjo, J., Charness, N.H., Spainhour, L.K., Ping, W.V, Brown, J., Horner, M.W., Boot, W., Duncan M.D. Jr, and Ozguven, "Center for Safe and Accessible Transportation for an Aging Population," United States Department of Transportation. 10/1/13-9/30/18, \$3,740,000.

(f) Synergistic Activities

Executive Director, Resilient Infrastructure and Disaster Response (RIDER) Center, (9/2019 - Present).

Software development: Spainhour, L.K. and Cochran, A. (2002-23) TraCS-Florida: Traffic and Criminal Software-Florida, Florida Department of Transportation, Tallahassee, FL.

Software development: Spainhour, L.K. and Williams, Z. (2002-23) ELVIS-Florida: Electronic License and Vehicle Identification System-Florida, Florida Department of Transportation, Tallahassee, FL.

Professional Engineer #68323 (Florida).

Online course development: Spainhour, L.K. (2012-24) CES 5845 Composites in Civil Engineering, CES 5706 Advanced Reinforced Concrete Design.

Reviewer for *Transportation Research Record*, *Journal of Composites in Construction*, *ACI Structures Journal*, *Cement and Concrete Composites*, *Journal of Infrastructure Systems*.

Participate in Florida Traffic Records Coordinating Committee and other activities regarding electronic capture and transmission of roadway, crash, and citation data.

Guest speaker, mentor, and judge for a variety of primary, secondary, and post-secondary school functions on topics relevant to engineering and societal impact thereof.

Member of American Society of Civil Engineers Department Heads Coordinating Committee, mentor to various FAMU-FSU student professional organizations