

<b>Roy E. Sturgill, Jr., PhD, PE</b>	
Assistant Professor, Department of Civil, Construction and Environmental Engineering Iowa State University Town Engineering Building 813 Bissell Rd. Ames, IA 50010	515-294-3933 <a href="mailto:sturgill@iastate.edu">sturgill@iastate.edu</a>  <b>IOWA STATE UNIVERSITY</b> <b>Institute for Transportation</b>

## EDUCATION

- University of Kentucky– Lexington, Kentucky
  - PhD, Civil Engineering, 2018
  - MA, Business Administration, 2003
  - BS, Civil Engineering (Minor: Mathematics), 2003
  - Graduate Certificates: Applied Statistics
- Virginia Polytechnic Institute and State University
  - MS, Civil Engineering – Construction Engineering and Project Management, 2004
  - Graduate Certificates: Engineering Education, Preparing the Future Professoriate

## CERTIFICATIONS

- Professional Engineering (PE) License, State of Iowa (No. P25629) (Active)
- Professional Engineering (PE) License, State of Kentucky (No. 26119) (Active)
- Leadership in Energy and Environmental Design Green Associate (LEED-GA), 2009 (Inactive)
- Greenroads Sustainable Transportation Professional, STPα, among the initial 25 credentialed, 2012 (Inactive)

## PROFESSIONAL EXPERIENCE

- Assistant Professor, Department of Civil, Construction and Environmental Engineering, Iowa State University, 2019–present
- Research Engineer, Kentucky Transportation Center, University of Kentucky, 2012–2019
- Adjunct Instructor, Department of Civil Engineering, University of Kentucky, 2013–2013
- Adjunct Instructor, Civil Engineering Technology Program, Bluegrass Community and Technical College, 2012–2014
- Engineer, Division of Highway Design, Kentucky Transportation Cabinet, 2012–2013
- Engineer, Division of Construction, Kentucky Transportation Cabinet, 2007–2012

## SELECTED RESEARCH PROJECTS

- *Guideline for Depicting Existing and Proposed Utility Facilities in Design Plans* (National Cooperative Highway Research Program): PI, 2022–present

- *Practices to Identify and Mitigate PFAS Impacts on Highway Construction Projects and Maintenance Operations* (National Cooperative Highway Research Program): Co-PI, 2022–present
- *Robotic Mapping of Underground Infrastructure* (Iowa Energy Center): Co-PI, 2022–present
- *Best Practices for Utility Management in the Public Right of Way* (Federal Highway Administration and Iowa Department of Transportation): PI, 2021–present
- *Project Development and Utility Coordination as a Partnership* (Federal Highway Administration and Iowa Department of Transportation): PI, 2021–present
- *Early Identification and Location of Utility Facilities within Iowa DOT Project Footprints* (Federal Highway Administration and Iowa Department of Transportation): Co-PI, 2021–present
- *Practices in the Collection and Use of Utility As-Built Information for Minimizing Project Risks* (National Cooperative Highway Research Program): Co-PI, 2021–present
- *Support of Every Day Counts Six (EDC-6) Implementation Initiative e-Ticketing/e-Construction* (Federal Highway Administration): Co-PI, 2021–present
- *Valuation and Compensation for Accommodating Utility and Communications Installations in Public Rights of Way* (National Cooperative Highway Research Program): PI, 2020–present

## SELECTED PUBLICATIONS

- Al-Bayati, A., R. Sturgill, L. Panzer, Montes Victorio, S., and Omer, T. 2022. Locating underground utilities in the United States: A comparative analysis of services provided by private locators. *Transportation Research Interdisciplinary Perspectives*, Vol. 16.
- Tripathi, A., D. Patel, R. Sturgill, and G. Dadi. 2022. An Analysis of e-Ticketing Technology for Inspection Performance and Practicality on Asphalt Paving Operations. *Transportation Research Record: Journal of the Transportation Research Board*, Vol. 2676, No. 8.
- Li, Y., S. Al-Haddad, T. Taylor, P. Goodrum, and R. Sturgill. 2019. Impact of Utilizing Construction Engineering and Inspection Consultants on Highway Construction Project Cost and Schedule Performance. *Transportation Research Record: Journal of the Transportation Research Board*, Vol. 2673, No. 11, pp. 716–725.
- Al-Shabbani, Z., R. Sturgill, and G. Dadi. 2018. Developing a Pre-Task Safety Briefing Tool for Kentucky Maintenance Personnel. *Transportation Research Record: Journal of the Transportation Research Board*, Vol. 2672, No. 12, pp. 187–197.
- Li, Y., T. Taylor, G. Dadi, and R. Sturgill. 2017. Modeling Long-Term Highway Staffing Requirements for State Transportation Agencies. *Transportation Research Record: Journal of the Transportation Research Board*, Vol. 2612, No. 1, pp. 76–84.

## PROFESSIONAL AFFILIATIONS, HONORS, AND SERVICE

- Transportation Research Board:
  - Committee Research Chair, Standing Committee on Utilities (AFB 70), 2020–present
  - Member, Standing Committee on Construction Management (AFH 10), 2013–present
  - Friend, Information Technology in Construction Subcommittee (AFH 10(1)), 2013–present
  - Friend, Standing Committee on Project Delivery Methods (AFH 15), 2016–present

- Member, American Society of Civil Engineers, UESI Utility Coordination Committee, 2018–present
- Member, American Association of State Highway Transportation Officials (AASHTO) Technical Subcommittees (Utility Mapping, GIS & SUE; Utility Project Scoping & Coordination; Utility Accommodation & Safety), 2017–present