

SAMANTHA JONES WRIGHT

Lecturer

Department of Civil Engineering, University of Kentucky

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EDUCATION

University of Kentucky, College of Engineering

Master of Science in Civil Engineering **1997**

Research: Traffic Signal Installation and Crash Reduction

Graduate School Research Fellowship, 1996-1997

Graduate Honors *Magna cum Laude*

University of Kentucky, College of Engineering

Bachelor of Science in Civil Engineering **1996**

National Merit Scholar, 1991-1995

Summer Research Fellow, University of California Irvine, 1994

Eisenhower Research Fellow, Federal Highway Administration, Washington DC, 1995

LICENSURE

Professional Engineer, Kentucky #22584, since 2002

National Council of Examiners for Engineering and Surveying #41146, since 2008

AWARDS

Young Civil Engineer of the Year 2010, University of Kentucky, Department of Civil Engineering

PAPERS

Stamatiadis, N., Kirk, A., Jasper, J. and Wright, S., (2017). "A Functional Classification System to Aid Contextual Design," *Best Paper - Transportation Research Board AFB10 Committee on Geometric Design*.

PROFESSIONAL EXPERIENCE

Department of Civil Engineering, University of Kentucky

Lecturer

July 2013 – present

As a lecturer in the Civil Engineering Department, Samantha has undertaken undergraduate teaching responsibilities, along with service on the Civil Engineering Education Team. Course descriptions include:

- **CE 106 Computer Graphics and Communication** - CE 106 is an introductory course in graphical communication for engineering students. This course includes the introduction of orthographic projection, visualization techniques, and hand-drawing, as well as the use of computer software to solve civil engineering problems. Introductory drawing techniques are explored, including orthographic projection, primary engineering views, perspective, and object rotation, along with drawings related to civil engineering topics, such as contours, watershed delineation, roadway profile, block and lot layout, earthwork and structure elevation.
- **CE 429 Civil Engineering Systems Design** – The purposes of this course are to provide students an in-depth understanding of the multidisciplinary nature of civil engineering projects; to allow students to become

familiar with various stages of project development and design; and to provide the students a hands-on experience with a real-life project. CE 429 focuses on synthesizing the taught material in individual civil engineering courses into a civil engineering project, which includes the problem statement, field review, alternatives development and assessment, preliminary design, documentation and oral communication. Students work in teams to complete the course requirements.

Wilbur Smith Associates/CDM Smith

Principal Project Manager

1998 – July 2013

As a Principal Project Manager with CDM Smith (formerly Wilbur Smith Associates), Samantha participated in a variety of engineering projects, including planning, location, environmental, traffic, and preliminary design studies for highway and bridge projects. Samantha is practiced in all areas of project management, including project scoping, scheduling, workload planning, staff oversight and mentoring, client management, and project delivery. Sample projects include:

- ***I-75 Connector Project, 2012-2013*** – CDM Smith Project Manager for this preliminary design and environmental study for a new link between Jessamine and Madison Counties, referred to as the I-75 Connector. Project activities include oversight and management of traffic forecasting and analysis, environmental overview and corridor screening, historic survey and eligibility determinations, and agency 6001/6002 coordination efforts. This project includes important and extensive coordination with a Citizen’s Advisory Committee, the Section 106 Consulting Parties, and interested members of the public.
- ***Milton-Madison Bridge Replacement Project, 2008-2013*** – Project Engineer for this effort to obtain an approved NEPA document and provide Design-Build oversight for the replacement of the US 421 bridge between Milton, KY and Madison, IN. Activities include preliminary engineering, environmental studies, public involvement, design-build management, and agency/permit coordination services. The historic resources on both sides of the river are critical elements of this project, requiring special coordination through the NEPA, Section 4(f), and Section 106 documentation process, along with environmental compliance oversight during the construction phase.
- ***Ohio River Bridges, East End Bridge, 2005-2011*** – CDM Smith Project Manager for the Bridge Type Selection Process and Preliminary Design of the East End Bridge as part of the Ohio River Bridges Project. Responsibilities included oversight of the permit development process, hydraulic analysis, navigational simulation, deck drainage estimates, and public/committee coordination, as well as tracking of and compliance with environmental commitments for the project.
- ***I-69 Strategic Corridor Planning Project, 2002-2008*** – Project Manager for this evaluation of the existing Western Kentucky and Pennyrile Parkways for interstate characteristics, as part of the designation of the I-69 Corridor in Kentucky. Activities included field measurement and as-built plan review to consider cross-sections, clear zones, bridge clearances, guardrail treatments, and other design features, as well as public involvement, traffic analysis, environmental considerations, design exceptions, and cost estimating.

MEMBERSHIPS

American Society of Civil Engineers (ASCE)