

<b>Justin Dahlberg, PE</b>	
Director, Bridge Engineering Center Institute for Transportation Iowa State University 2711 South Loop Dr. Suite 4700 Ames, IA 50010	(515) 294-5664 dahlberg@iastate.edu  <b>IOWA STATE UNIVERSITY</b> <b>Institute for Transportation</b>

**BACKGROUND**

Justin Dahlberg is the Director of the Bridge Engineering Center (BEC) at Iowa State University and Director for the National Center for Wood Transportation Structures (NCWTS). Collectively, these centers employ multiple research staff and graduate students and collaborate with Iowa State University faculty and professionals around the world to complete the centers’ objectives and goals to maintain and improve bridge infrastructure assets. Mr. Dahlberg’s professional career includes six years as a structural engineer for a private consulting firm where he had the opportunity to lead projects and design structures for several multi-million-dollar projects, and nine years of conducting bridge-related research for the BEC and NCWTS. Dahlberg has conducted investigative bridge research and performed onsite and bridge-related laboratory tests while working on projects involving structural health monitoring, material performance, repair and rehabilitation, and bridge performance. Onsite investigation has included bridges located in many geographically diverse areas around the US and working with multiple material types and bridge configurations. His experiences have enabled him to work among all levels of government and private personnel in many states around the US. Mr. Dahlberg is a registered engineer in the State of Iowa.

**EDUCATION**

- MS, Structural Engineering, Iowa State University, Ames, IA
- BS, Civil Engineering, University of Wisconsin-Platteville

**PROFESSIONAL EXPERIENCE**

**Institute for Transportation, Iowa State University**

- Director, Bridge Engineering Center (BEC), 2022–Present
- Director, National Center of Wood Transportation Structures (NCWTS), 2020–Present
- Bridge Research Engineer, 2010–2015, 2019–Present

**Saul Engineering, Des Moines, IA**

- Structural Engineer, 2007–2010, 2015–2019

**SELECTED RESEARCH PROJECTS**

- *Implementation of a Pilot Continuous Monitoring System: Iowa Falls Arch Bridge*, Iowa DOT
- *Deployment of Structural Health Monitoring of Bridge in the State of Iowa*, Iowa DOT
- *Evaluation of Various Methods for Deflecting Debris from Bridge Piers*, Iowa DOT
- *Investigation of the Efficacy of Helical Pile Foundation Implementation in ABC Projects*, Iowa DOT
- *Development and Integration of Advanced Timber Bridge Inspection Techniques for NBIS*, MnDOT

- *Development of Cost-Effective Timber Bridge Repair Techniques for Minnesota, MnDOT*
- *Assessment, Repair and Replacement of Bridges Exposed to Fire Damage, Iowa DOT*
- *Multi-Span Lateral Slide Laboratory Investigation, Iowa DOT*
- *Guide for Standardized Modular Orthotropic Steel Deck, FHWA*
- *Evaluation of Performance of A709 Grade QST 65 Steel, Iowa DOT*
- *Iowa ABC Connection, Iowa DOT*
- *Polymer Concrete Overlay Evaluation, Iowa DOT*
- *Implementation of Recommendations for Eliminating Longitudinal Median Joints in Wide Bridges, Iowa DOT*
- *Development of Rural Road Bridge Weigh-in-Motion System to Assess Weight and Configuration of Farm-to-Market Vehicles, Iowa DOT*
- *Evaluation of Performance of Innovative Bridges in Wisconsin, WisDOT*
- *Methods for Removing Concrete Decks from Bridge Girders, Iowa DOT*
- *Investigation and Evaluation of the Iowa DOT Bridge Deck Epoxy Injection Process, Iowa DOT*
- *Timber Abutment Piling and Back Wall Rehabilitation and Repair, Iowa DOT*

#### **PROFESSIONAL AFFILIATIONS, HONORS, AND SERVICE**

- Transportation Research Board (TRB)
  - Member, TRB Committee AFH40 – Construction of Bridges and Structures