

Mr. David P. Kierpiec specializes in forensic inspections and retrofit designs of structures damaged by fire, wind, and tree/car impacts. He has performed evaluations of deteriorated structures, including both wood/steel-framed balconies, wood-framed staircases, wood-framed residential buildings, and steel/concrete-framed commercial buildings. Mr. Kierpiec has bridge design and assessment experience, along with thorough knowledge of the latest AASHTO code. He also has teaching experience from being a Teaching Assistant of reinforced concrete at the University of Illinois at Urbana-Champaign.

Licensed Professional Engineering Intern

- State of Illinois, License No. 061.041346

Positions Held

Engineering Systems Inc., Aurora, Illinois

- Senior Staff Consultant, 2025 – Present
- Staff Consultant, 2023 – 2024

Bollinger, Lach & Associates, Inc., Itasca, Illinois

- Structural Engineer, 2022 – 2023

University of Illinois, Champaign, Illinois

- Structural Engineer, 2022 – 2023

Bollinger, Lach & Associates, Inc., Itasca, Illinois

- Structural Engineering Intern, Summer 2021

Engineering Systems Inc., Aurora, Illinois

- Structural Engineering Intern, Summer 2020

University of Illinois, Champaign, Illinois

- Course Assistant for TAM 210/211: Statics, 2019 – 2020

Teaching & Technical Presentations

- Riddle, J., **Kierpiec, D.** "A Structural Engineer's Role in Tornado, Fire, and Scaffolding Disasters." ASCE General Meeting, University of Illinois at Urbana-Champaign Student Chapter. November 2024.
- Riddle, J., **Kierpiec, D.** "An Introduction into the World of Forensic Engineering." ASCE General Meeting, University of Illinois at Urbana-Champaign Student Chapter. February 2024.

David P. Kierpiec

Senior Staff Consultant

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ESi

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Aurora, IL 60504

Education

MS, Civil Engineering (Structural).
University of Illinois at Urbana-Champaign. 2022

BS, Civil Engineering (Structural).
University of Illinois at Urbana-Champaign. 2021

Areas of Specialization

Bridge Condition Assessment
Bridge Analysis & Design
Residential/Commercial Damage Assessment
Repair Design
Scaffolding System Design
Shoring Design
Structural Analysis & Design

Professional Affiliations/Honors

American Society of Civil Engineers (ASCE)

- Member

American Institute of Steel Construction (AISC)

- Member

Structural Engineering Institute of ASCE (SEI)

- Member

Structural Engineers Association of Illinois (SEAOI)

- Member

CPS Wentcher Scholar

- Class of 2021

Chicago Engineers' Foundation Scholar

- Class of 2021

Concrete Education and Research Foundation

- Scholarship Recipient, 2020

Deep Foundation Institute (DFI)

- Scholarship Recipient, 2019

Chicago Association of Spring Manufacturers (CASMI)

- Scholarship Recipient, 2018, 2019

Engineering Dean's List

- 2017 – 2021

CEE Student Ambassador

- 2020 – 2021

CEE Student Committee (CSC)

- Member, 2018 – 2020