

Bridge Engineer, HDR

Frankl, Bernard A.



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Specialties:

- Analysis, Design & Computational Modeling of Complex Steel and Steel-Concrete Bridge Structures
- Analysis and Rating of Steel and Steel-Concrete Bridge Structures
- Analysis and Rating of Steel and Steel-Concrete Tunnels
- Structural Stability of Steel Structures

Qualifications & Certifications:

- Ph.D., 2017, CE, University of Nebraska Lincoln
- M.S., 2008, CCEE, North Carolina State University
- B.S., 2006, CEE, South Dakota School of Mines and Technology
- Professional Engineer, SD, ND, WY, NE

Professional Experience:

- 14+ years as Bridge Designer
- 5 years as Structural Researcher
- 2 years as Professor

Summary: Bernard A. Frankl, PhD, PE is a bridge engineer, HDR's innovative research coordinator, HDR's load rating technical committee chair. Bernard has over 14 years experience designing steel and concrete bridges ranging from simplistic reinforced concrete box culvert to complex steel arch bridges. He has extensive experience in both design and rating. Bernard has also been actively involved in HDR research activities and involvements. Bernard was also a key member in developing a tunnel rating guide for the Federal Highway Administration. Bernard has also been involved in steel girder stability research, outdoor bridge load testing, cable impact research, structural wall panel research, and friction stir welding research throughout his career.

Committees & Memberships:

- TRB Committee
- SSRC Committee
- AISC
- ASCE

