

## **Dr. Carl B. Reed, P.E., D.E.**

### **Delich Roth & Goodwillie, P.A. Engineers**

#### **Senior Vice President**

Carl serves as Director of Structural Engineering. His knowledge and experience in structural design allow him to provide the appropriate structural system for any project. Carl's contribution to DRG includes the design of various bridge projects that include poured-in-place concrete, structural steel, and P/S girder systems. He is also involved in the design of various structural systems, feasibility studies, reports, construction administration, project specification, field investigation, bridge inspection, bridge load rating, and providing special building inspections per IBC Code. Carl makes extensive use of computer software in his analysis and design work.

The following projects are representative of Carl's design and project management abilities:

- 142<sup>nd</sup> Street Bridge over Little Kaw Creek, Wyandotte/Leavenworth Counties, KS
- K-96 Bridge over the Neosho River in Cherokee County, KS
- U.S. 283 Bridge over the North Fork of the Solomon River, Norton County, KS
- I-435/I-35 "Maltese Cross" interchange bridges in Johnson County, KS
- NB & SB K-7 Bridges over 119th Street, Johnson County, KS
- 111th Street Bridge over K-7, Johnson County, KS
- Route 7 Bridge over Big Creek in Henry County, MO
- 42nd Street Bridge over the A.T. & S.F. Railroad Yards (Renovation), Kansas City, KS
- Third Street RCB Bridge over Jersey Creek, Kansas City, KS
- Hardsaw Road Bridge over Sni-A-Bar Creek, Jackson County, MO
- 99th Street Bridge over the Kansas City Southern Railroad, Kansas City, MO
- Joe Dice Swinging Bridge, Warsaw, MO
- James Street Viaduct Emergency Pier Repairs, Kansas City, KS
- Kansas City, KS Justice Complex – Construction observation on foundations and structural frame
- Structural inspection and repair plans for an assortment of private, commercial and institutional buildings for various clients, including: Unified Government of Wyandotte County/Kansas City, KS, Bayer, Kaw Valley Center, Hallmark/Crown Center, Graphic Services, Kaw Valley Drainage District and Fairfax Drainage District
- Provided structural design for Bayer HES Research Facility, the Bio-Chemistry Facility and KCK Fire Station No. 15.
- Designed portions of the pre-engineered Operations and Maintenance facility at Fairfax Drainage District. The unique feature of this project was the structure supported monorail hoist system for the movement of large loads
- Design of the Administration and Maintenance facility at Wastewater Treatment Plant No. 1 in Kansas City, KS
- Structural Project Manager and Lead Design Engineer for the Kansas City, KS Justice Complex
- Special structural inspection services to comply with Kansas City, MO's construction permit requirements

#### **Education**

- B.S., Engineering, University of Kansas
- M.S., Engineering, University of Kansas
- D.E., University of Kansas

#### **Registration**

- Kansas, Licensed Professional Engineer
- Missouri, Licensed Professional Engineer

#### **Professional Memberships**

- National Society of Professional Engineers
- ACEC/Kansas and ACEC/Missouri
- Kansas Society of Professional Engineers
- American Public Works Association
- American Society of Civil Engineers
- Engineers Club

