Larry J. Miller, PE

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Professional Summary

Registered Professional Engineer with over two decades of leadership in the precast concrete industry, including executive roles spanning preconstruction, engineering, operations, business development, and quality control. Proven expertise in managing large-scale infrastructure and industrial projects, building strategic client relationships, and mentoring engineering talent. Extensive experience in teaching precast concepts through national seminars and higher education programs.

Education

University of Colorado at Denver

- **Master of Science in Structural Engineering**, January 2006
- **Bachelor of Science in Civil Engineering**, May 1998

Academic Teaching Experience

Lecturer – Concrete Industry Management (CIM) Program
Texas State University – San Marcos, TX
2024

Taught three classes on Precast Concrete, delivering industry-relevant content to students.

Lecturer – Industry associations such as NPCA, ACPA, and PCI.

- Instruction topics included:
  - Structural Precast Concrete Design
  - Concrete Mix Design Technology
  - Rigging and Handling Safety
  - Embedded Connections
  - Accounting Basics in Manufacturing
  - Advantages and Disadvantages of Precast Systems
  - Advanced Engineering of Precast Systems
- Organized field trips to precast plants and suppliers for immersive learning.

Publications

"Underground Precast Concrete Utilizing the LRFD Design Standards"
Presented to the U.S. Department of Transportation, Published in the Transportation Research Board – 2008

Professional Experience

Vice President of Preconstruction & Business Development
Heldenfels Enterprises, TX
7/2020 – Present

- Lead preconstruction team and manage project planning, design, and client collaboration.
- Achieved record growth in backlog, sales, and margins.
- Key projects: Tesla Giga Factory, Samsung Chip Factory, Rio Grande LNG, and major bridge/marine works.

Managing Director – HALFEN North America (CRH Company)
4/2017 – 5/2020

- Full P&L responsibility across sales, engineering, finance, marketing, and operations (~$25M revenue).
- Led nearly 100 employees; developed business strategy and improved cross-functional collaboration.

Vice President Strategic Accounts – Oldcastle (CRH Company)
5/2015 – 4/2017

- Directed team of Strategic Account Managers; supported key clients in achieving construction goals.
- Oversaw enterprise-wide product/service coordination for national strategic customers.

Director of Business Development – Oldcastle (CRH Company)
8/2010 – 5/2015

- Led team targeting top AEC firms with product specifications and technical support.
- Delivered over 200 technical presentations to 1,000+ engineers.
- Played a critical role in marketing, client engagement, and national design tools.

Central Region Engineering Manager – Oldcastle (CRH Company)
12/2002 – 12/2009

- Directed engineering, quality control, and safety across 12 manufacturing plants.
- Developed proprietary engineering software "CASTLESTORM" for structural analysis.
- Spearheaded training programs and CAPEX projects in TX and CO ($2M+).
- Led acquisition transition efforts, including ERP, layout, QC, and HR initiatives.

Structural Engineering Manager – Oldcastle (CRH Company)
4/1999 – 12/2002

- Supervised engineering and QC staff in Colorado operations.
- Performed daily structural design and advanced concrete mix development.
- Provided field engineering support and plant-level training seminars.

Certifications & Professional Development

- **Registered Professional Engineer**
- Master Graduate – **Rapport Leadership International**
- Graduate – **CRH Global Leadership Development Program**
- Creator – CASTLESTORM Structural Engineering Software
- Extensive experience with SAP2000, AutoCAD, Mathcad, Microsoft Dynamics, SalesForce, and ConstructConnect
- Precast/Prestressed Concrete Institute (PCI) – Technical Committees
- American Concrete Pipe Association – Former Technical Committee Member
- CRH North American Innovation

Lectures & Presentations

- Over 200 technical seminars delivered to engineering/design audiences nationwide
- Lead trainer for onboarding and mentoring engineering staff in precast concrete
- Frequent speaker at industry trade associations and national conferences