

Victor Boyd

Structural Steel Field Engineer

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SUMMARY

Dedicated Structural Steel Field Engineer with over a decade in construction, focusing on project engineering, safety protocols, and quality assurance. Proven ability to manage complex projects under tight deadlines while adhering to safety standards and quality expectations. Strong expertise in material management and work planning has consistently driven successful project outcomes and improved operational efficiency. Excited to bring strategic contributions and innovative solutions to future projects, fostering collaboration among teams and ensuring the highest safety and regulatory compliance.

EXPERIENCE

Structural Steel Field Engineer

Innovative Engineering Solutions 📅 January 2021 - Present 📍 Houston, TX

In current role as Structural Steel Field Engineer, spearheaded multiple large-scale projects, maintaining focus on technical specifications, subcontractor coordination, and project workflow optimization. This position combines field operations with safety management while supporting structural steel initiatives.

- Drove preparation of detailed construction drawings and schedules, improving overall project execution by streamlining processes.
- Designed temporary construction facilities, ensuring regulatory compliance and project integrity throughout development.
- Efficiently coordinated material management tasks including requisitioning and quantity takeoffs, optimizing resource allocation for project demands.
- Sustained zero-accident record by implementing rigorous safety protocols monitored daily on-site by craft teams.
- Created comprehensive 'as built' documentation reflecting all modifications, facilitating better maintenance strategies for the client post-project.
- Collaborated effectively with subcontractors to review inspection test plans, assuring adherence to established quality benchmarks.

Field Engineer

Construction Dynamics Inc. 📅 March 2017 - December 2020 📍 Dallas, TX

Served as Field Engineer managing engineering activities across several large projects. Focused on upholding safety and quality protocols while tracking materials and labor productivity.

- Administered field engineering functions for key construction projects, overseeing safety standards and compliance with AISC design codes.
- Conducted systematic site inspections that ensured adherence to local and federal safety regulations, reinforcing a culture of continuous improvement among teams.
- Formulated and maintained robust inventory systems for tracking materials and equipment, enhancing on-site efficiency.
- Mentored junior engineers on best practices regarding safety and quality control, elevating team performance and skill.
- Participated in cross-functional project planning sessions, assessing potential risks and collaborating on proactive strategies to mitigate issues.
- Implemented innovative field solutions, which minimized downtime caused by gaps in material delivery or tool availability.

Junior Structural Engineer

Skyline Construction Services 📅 June 2014 - February 2017 📍 San Antonio, TX

As Junior Structural Engineer, contributed actively to designing structures and assisted senior engineers in furthering project goals daily in terms of compliance and functionality.

- Assigned with liaising for necessary structural designs while performing calculations essential for finalized projects bid proposals.
- Supported senior engineering staff in developing technical requests and aspects related to compliance review documentation.
- Executed field surveys and inspections valid down to minor details in measurement accuracy to uphold project standards.
- Fostered teamwork within engineering groups to sustain effective project sequencing from start to finish.
- Coordinated project timelines with stakeholders to ensure milestones were being met; escalated concerns when applicable.
- Actively engaged in personal professional development, seeking out opportunities to enrich technical understanding and stay current with industry developments.

LEADERSHIP & AWARDS

- Safety Excellence Award, 2022
- Outstanding Project Award for Houston Bridge, 2023

EDUCATION

Bachelor's Degree in Civil Engineering

University of Texas at Austin 🎓 GPA: 3.5 📅 2014 📍 Austin, TX

Coursework: Structural Engineering, Project Management, Materials Science, CAD Design

CERTIFICATIONS

- Certified Construction Manager (CCM) 📅 2022
- OSHA 30-Hour Construction Safety and Health 📅 2021

TECHNICAL SKILLS

- **Project Management Tools:** Trello, Asana, Microsoft Project
- **Engineering Software:** AutoCAD, Revit, SAP2000
- **Database Applications:** Microsoft Access, SQL Server, Oracle
- **Safety Compliance Tools:** SafeSite, Procore, OSHA Guidelines
- **Communication Tools:** Email, Slack, Microsoft Teams
- **Document Management Systems:** SharePoint, Dropbox, Google Drive
- **Quantity Takeoff Tools:** Bluebeam, Excel, PlanSwift
- **Inspection & Testing Equipment:** Theodolite, Levels, Ultrasonic Thickness Gauge
- **Design Codes:** AISC, ASTM, ISO 9001
- **Quality Standards:** ISO 9001, Six Sigma, Lean Manufacturing

SKILLS

- Structural Steel Design
- Project Management
- Safety Compliance
- Quality Control
- Material Management
- Team Leadership
- Technical Inspections
- Construction Drawings
- Subcontract Coordination
- AISC Code Standards
- Workshop Planning
- Equipment Procurement
- Risk Mitigation
- Site Inspections
- Regulatory Compliance

PROFESSIONAL AFFILIATIONS

- Member, American Society of Civil Engineers (ASCE)
- Volunteer, Habitat for Humanity

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST