

Edwin Casey

Lead Professional, Structural Engineering

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SUMMARY

Results-driven structural engineer with over 8 years of experience in the design, development, and management of infrastructure projects. Proven expertise in applying engineering principles to enhance project outcomes, ensuring compliance with industry standards and regulations. Exceptional leadership skills demonstrated through guidance of cross-functional teams and mentoring junior engineers. Committed to upholding workplace safety and delivering high-quality results under tight deadlines. Eager to contribute our strategic vision and technical expertise toward meaningful infrastructure improvements.

EXPERIENCE

Senior Structural Engineer

Greenway Engineering Group 📅 January 2022 - Present 📍 Syracuse, NY

Oversaw major infrastructure projects focusing on bridge design and construction, maintaining commitment to safety and quality standards.

- Provided technical leadership during design and construction phases for infrastructure projects.
- Led a team developing designs for bridges, conducting thorough inspections and evaluations.
- Collaborated effectively with clients and stakeholders to clarify project requirements and deliverables.
- Generated comprehensive construction plans and specifications that promoted cost-effectiveness.
- Managed budgets and timelines, ensuring successful completion within financial constraints and quality standards.
- Communicated findings through detailed reports and presentations to diverse stakeholders.

Structural Engineer

Riverside Civil Solutions 📅 June 2018 - December 2021 📍 Saratoga Springs, NY

Contributed expertise in designing and analyzing structural elements for public infrastructure projects while ensuring safety and regulatory compliance.

- Designed structural elements for various projects consistent with federal and local regulations.
- Conducted site investigations aiming to assess conditions and strategize remediation efforts.
- Collaborated with multidisciplinary teams to implement client-focused design solutions.
- Utilized software tools for enhancing structural modeling accuracy contributing to project precision.
- Mentored junior engineers, fostering professional growth and a culture of continuous learning.
- Supported grant applications and proposals that secured funding for critical infrastructure projects.

Junior Structural Engineer

Cascadia Engineering Services 📅 July 2016 - May 2018 📍 Rochester, NY

Assisted senior engineers in various design and analysis tasks for numerous construction initiatives, gaining invaluable hands-on experience.

- Supported design processes by executing field surveys and compiling data for evaluations.
- Engaged in drafting technical documents, supporting clarity and consistency of engineering standards.
- Participated actively in project schedule and budget preparations, aiding effective management.
- Built collaborative relationships with supervisors, enhancing insight into structural engineering practices.
- Pursued ongoing professional development through workshops and training on relevant engineering topics.

LEADERSHIP & AWARDS

- Outstanding Performance Award at Greenway Engineering Group for significant contributions to impactful infrastructure projects.
- Recognition from Riverside Civil Solutions for excellence in leading complex engineering assignments.

EDUCATION

Bachelor's Degree in Civil Engineering

University of Albany 🎓 GPA: 3.9 📅 2016 📍 Albany, NY

Coursework: *Structural Engineering, Materials Science, Fluid Mechanics, Geotechnical Engineering*

CERTIFICATIONS

- Registered Professional Engineer 📅 2021
- Certified Construction Manager 📅 2019

TECHNICAL SKILLS

- **Structural Engineering Tools:** ETABS, SAP2000, STAAD Pro
- **Design Software:** AutoCAD, Revit, BIM
- **Project Management Software:** Microsoft Project, Primavera P6, Trello
- **Inspection Tools:** Total Station, Laser Scanning, Drones
- **Analysis Tools:** MATLAB, Python, SketchUp
- **Documentation Standards:** ASCE, AISC, OSHA
- **Quality Assurance Practices:** Peer Review, Process Audits, QA/QC Systems
- **Compliance Protocols:** NEPA, SEQR, SHPO
- **Environmental Assessment Techniques:** GIS, Environmental Impact Studies, Site Assessments
- **Collaboration Platforms:** Microsoft Teams, Slack, Zoom

SKILLS

- Structural Analysis
- Construction Management
- Infrastructure Design
- Problem Solving
- Project Management
- Technical Documentation
- Budget Management
- Code Compliance
- AutoCAD
- Team Leadership
- Safety Regulations
- Site Planning
- Revit
- Client Communication
- Data Analysis
- Material Selection

PROFESSIONAL AFFILIATIONS

- Member of the American Society of Civil Engineers.
- Active participant in local engineering community events.

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST