

Niko Gibbs

Senior Civil Engineer

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SUMMARY

Experienced Senior Civil Engineer with over 7 years specializing in airport design. Passionate about enhancing airfield geometry and pavement design to improve operational efficiency. Proven success in leading extensive design projects while mentoring junior engineers, ensuring all initiatives meet rigorous safety and quality standards. Skilled at preparing detailed contract documents, specifications, and cost estimates that align with client needs. Strong communicator adept at presenting technical details clearly to clients and stakeholders. Eager to continue delivering innovative solutions and fostering team growth within a collaborative environment.

EXPERIENCE

Senior Civil Engineer

Aviation Design Group 📅 January 2021 – Present 📍 Dallas, TX

Oversaw key design projects focused on airfield geometry and pavement for major airports across the U.S. Contributed significantly to improving operational standards, budgets, and workflows.

- Led design efforts in airfield geometry and pavement at various airports, enhancing both efficiency and safety protocols.
- Prepared comprehensive contract documents and specifications for aviation projects, aligning with federal regulations and standards.
- Managed project budgets effectively, ensuring delivery quality matched or exceeded expectations throughout each project's lifecycle.
- Mentored junior engineers by supervising their work, which resulted in improved skill sets and increased confidence across the team.
- Conducted technical presentations, fostering clear communication with clients and ensuring alignment on project requirements.
- Collaborated with cross-functional teams to implement innovative design solutions enhancing project outcomes.

Civil Engineer

Urban Engineering Solutions 📅 June 2016 – December 2020 📍 Houston, TX

Played an integral role in designing infrastructure improvements for airport access roads and utility relocations, improving user experiences.

- Designed airport access roads and strategies for utility relocation, resulting in heightened infrastructure reliability.
- Assisted project management tasks contributing to securing multiple high-profile contracts through business development efforts.
- Developed meticulous cost estimates boosting competitive edge within the aviation sector, driving client acquisition.
- Organized and led progress meetings to address emerging challenges, ensuring transparency and engagement with stakeholders.
- Generated technical reports encapsulating project findings that facilitated informed decision-making among team members.
- Improved team efficiency through enhanced communication and organized task allocation among project participants.

Junior Civil Engineer

Skyline Engineering 📅 August 2014 – May 2016 📍 Austin, TX

Supported senior engineers in various aviation projects, particularly focusing on airfield lighting and signage to ensure compliance with safety standards.

- Assisted in the design and analysis phases of airfield lighting systems, driving improvements in overall airport safety.
- Participated in drafting specifications and reports, ensuring accuracy in adherence to technical requirements across several projects.
- Engaged in site assessments and data collection, providing invaluable insights that influenced design decisions.
- Helped develop construction phasing plans optimizing resource use, helping to keep timelines on track.
- Worked collaboratively with team members to troubleshoot design issues and implement effective solutions, promoting a proactive approach.
- Acquired proficiency in AutoCAD and Microstation, enhancing speed and quality of design deliverables.

LEADERSHIP & AWARDS

- Outstanding Project Leadership Award - Aviation Design Group (2023)
- Best Infrastructure Project Recognition - Urban Engineering Solutions (2019)

EDUCATION

Bachelor's Degree in Civil Engineering

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

Coursework: Structural Analysis, Materials Engineering, Transportation Engineering, Project Management

CERTIFICATIONS

- Licensed Professional Engineer (P.E.) 📅 2016

- AutoCAD Certification 📅 2018
- Microstation Certification 📅 2019

TECHNICAL SKILLS

- **Design Software:** AutoCAD, Microstation, Revit
- **Project Management Tools:** Asana, Trello, Microsoft Project
- **Reporting Software:** Microsoft Word, Excel, PowerPoint
- **Engineering Standards:** AASHTO, FAA Guidelines, ASTM
- **Presentation Tools:** PowerPoint, Google Slides, Prezi
- **Data Analysis Tools:** MATLAB, Excel, R
- **Collaboration Software:** Slack, Microsoft Teams, Zoom
- **Regulatory Knowledge:** Local Zoning Codes, Environmental Regulations, Safety Standards
- **Budgeting Tools:** SAP, Oracle Financials, QuickBooks
- **Technical Communication:** Report Writing, Client Briefings, Proposal Development

SKILLS

- Civil Engineering Design
- Project Management
- AutoCAD
- Microstation
- Technical Reporting
- Team Leadership
- Budget Management
- Pavement Design
- Airfield Geometry
- Client Communications
- Quality Control
- Regulatory Compliance
- Utility Installation
- Construction Phasing
- Infrastructure Improvement
- Safety Standards

PROFESSIONAL AFFILIATIONS

- Member, American Society of Civil Engineers
- Volunteer, Engineers Without Borders

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST