

Join Our Team as a Senior Designer at ARRO Consulting!

Contact: ARRO People Department (people@arroconsulting.com)

ARRO Consulting is on the lookout for a highly skilled and motivated Senior Designer to take on pivotal design tasks within our engineering teams. If you have deep expertise in AutoCAD, Civil3D, and a passion for precision in civil and mechanical engineering designs, this role might be perfect for you!

Key Responsibilities:

- **Complex Civil Design Projects:** Utilize advanced features of AutoDesk AutoCAD and Civil3D to execute detailed civil design tasks. Responsibilities include generating topographic surveys, performing surface and subsurface analyses, drafting precise alignments, and creating cross-sectional and longitudinal profiles for a variety of infrastructure projects.
- **Advanced Grading and Volumetric Analysis:** Execute detailed grading plans using 3D Polylines, Feature Lines, Grading Groups, and Corridors in Civil3D. Calculate volumes for cut and fill operations, and design grading solutions for complex landscapes such as channels and berms, under the supervision of senior engineering staff.
- **Hydraulic Structure Design:** Lead the design efforts for essential hydraulic structures, including pipelines, reservoirs, and specially designed water storage facilities. Create comprehensive, detailed drawings that encompass all necessary specifications for construction and implementation.
- **Pump Station and Mechanical System Design:** Familiarity with mechanical, electrical, and plumbing (MEP). Develop and oversee the process and mechanical design of utility infrastructure including, but not limited to, pumping stations and treatment facilities.
- **Software Proficiency and Innovation:** In addition to mastery in AutoCAD and Civil3D, bring expertise or a willingness to learn other software like MicroStation and ArcGIS. Contributions to BIM modeling using Autodesk Revit and similar tools will be highly regarded, enhancing our design processes and output quality.
- **Leadership in Design Execution:** Provide guidance and direction in basic and complex design tasks. Calculate precise engineering grades and accurately determine utility placements based on comprehensive plans and engineer instructions. Mentor junior designers in adopting best practices in CAD operations.
- **Estimation and Budgeting:** Play a crucial role in construction cost estimation by translating design tasks into detailed budget forecasts. Participate in project budgeting

processes, monitor project expenditure, and make necessary financial adjustments to maintain budget integrity throughout the project lifecycle.

What We Offer:

- Competitive compensation and benefits.
- A professional environment where advanced skills in engineering design are recognized and rewarded.
- Opportunities to lead innovative projects and impact the infrastructure landscape significantly.

Requirements:

- Graduate of a relevant two-year technical program or college with a minimum of eight years of relevant experience, or eleven years of experience in the absence of formal education.
- Proven ability to perform and direct complex CADD drafting.
- Excellent problem-solving skills and the capability to lead a team through sequences of tasks to meet project milestones.

Location:

- This position requires regular presence in an ARRO Consulting office. Flexible remote work options are available under specific circumstances.

Join ARRO Consulting and bring your technical expertise to the forefront of civil and mechanical engineering design. Your ability to innovate and lead will help us successfully address our client's challenges and improve the world!

Apply Now to Make a Difference!

EOE/AA

Job Type: Full-time

Benefits:

- 401(k)
- 401(k) matching
- Dental insurance
- Employee assistance program

- Flexible schedule
- Flexible spending account
- Health insurance
- Health savings account
- Life insurance
- Paid time off
- Professional development assistance
- Referral program
- Retirement plan
- Tuition reimbursement
- Vision insurance

Schedule:

- 8-hour shift
- Monday to Friday

License/Certification:

- Driver's License (Preferred)