



"Serving our western heritage, enhancing
our natural resources"

Civil Engineering – Assistant Engineer

Western Heritage Consulting & Engineering is seeking candidates for an Assistant Professional Engineer or Engineer in Training in the Civil Engineering Division in Casper, WY. This position requires thorough knowledge of civil/agricultural design and engineering practices and techniques, as well as CAD and graphics drafting skills. Applicant will be asked to plan and conduct independent work requiring judgment in the evaluation, selection, application and adaptation of engineering techniques, procedures and criteria. Applicant will devise new approaches to problems, and prepare or modify drawings, specifications, calculations, charts and graphs, and monitor work for compliance to applicable codes, accepted engineering practices and Western Heritage Consulting & Engineering standards. An emphasis in water and natural resources, including hydrology & hydraulics, and site grading is preferred.

Responsibilities:

- Develop surface models, pipe networks, pressure networks, and manage point clouds utilizing AutoCAD Civil 3D or ESRI software
- Utilize sketches, notes and other input material to complete design drawings with minimal supervision
- Inform Project Manager(s) of progress on assigned projects
- Provide basic project design utilizing AutoCAD Civil 3D
- Prepare technical engineering calculations
- Use catalogs to specify items for which original design is not required
- Instruct drafters on how to create drawing of designs
- Perform research, write technical reports and prepare opinions of cost
- Use modeling software to solve engineering problems
- May provide some surveying and construction observation
- Construction Inspection, field work and site surveys when needed
- Receive initial instruction or advice from a supervisor or project manager; work is subject to supervisor approval
- May supervise student and/or drafting staff
- Prepare project schedules and may provide project management
- May traverse and work in all types of terrain and weather conditions, as well as project sites in various stages of construction
- Other assigned duties as required

Job Requirements:

- Bachelor's Degree in engineering or other applicable field from an ABET accredited U.S. institution of higher education
- 2+ years of engineering experience using AutoCAD Civil 3D for civil design site/land development
- PE licensure or EI certificate with ability to obtain PE licensure within 2 years
- Proficient in AutoCAD, AutoCAD Civil 3D experience is preferred
- Construction observation and/or operator experience is preferred
- Survey experience with survey grade GPS, mapping grade GPS and Total Station preferred
- Effective communications skills both oral and written
- Effective interpersonal skills with coworkers and public agency officials



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- Self-starter
- Valid Driver's License
- Ability to work interdependently within a team environment
- Must be flexible to changes in work assignments on short notice and/or on a daily basis as changes occur in project needs
- Represent WHCE in a professional manner at all times

Skills and Special Requirements/Licensing:

- AutoCAD Civil 3D
- Excellent computer skills in Microsoft Suite
- Pre-employment drug and alcohol screening
- Background screening including previous employment, education, criminal history, and driving record verification
- Ability to legally work in the United States

Work Environmental & Physical Demands:

The characteristics described below are representative of those encountered while performing the essential functions of this position. Reasonable accommodations will be made to enable individuals with disabilities to perform the essential functions.

- While performing duties of this job, employee will occasionally be required to drive a motor vehicle, stand, walk, sit, reach with hands and arms, climb or balance, stoop or kneel, talk and hear, and use fingers and hands to feel objects, tools or controls. Workload may require work in outside environment or on construction sites at times with exposure to sun and wind with occasional limited exposure to precipitation.
- Must occasionally lift and/or move up to 45 pounds.
- Project observation, sampling, observation and certification may require assembly or testing of mechanical components requiring operation of design equipment or components.
- Specific vision abilities required include close vision, distance vision, depth perceptions, and the ability to adjust focus.
- Overtime may be necessary as workload's dictate. This may include weekdays, weekends and/or holidays.
- Job will generally be performed in an office environment, but may require travel to visit a Client's office, project location or industrial/construction job site. Conditions will vary at each location, but the conditions listed above will generally apply.
- May be assigned to work at a Client's office, facility or site for an extended period of time. Conditions will vary at each location, but the conditions listed above will generally apply. When performing outside Western Heritage Consulting & Engineering's office, appropriate safety training and safety equipment will be provided by Western Heritage Consulting & Engineering and/or Client as required.

Response and submittal:

Remit resume, cover letter, & contact information to: info@westernhce.com for questions:
307.215.7430 ext. 101.