

Civil Design Drafter

The Company

Williams Engineering, Inc. (WEI) is a civil engineering consulting company that has been in business since 1992, starting in the Grand Junction, Colorado area. Target market has been the public sector (cities, counties, and state agencies). In 2004, WEI started an office in eastern Idaho at Rexburg (population 23,000 with 4 year private university), which is 25 miles from Idaho Falls (population 53,000), 40 miles from the Grand Teton Mountains and nearby Yellowstone National Park, and near the Snake and Teton Rivers. The Rexburg office also performs development and private sector engineering.

The Position

The Rexburg office needs a civil design drafter experienced with either municipal facilities, land development, or both. Selected design drafter must have leadership and management experience, because once on board and familiar with WEI graphic standards and procedures, design drafter will instruct and oversee the work of current and future less experienced drafters.

Technical Qualifications

- Recent AutoDesk ACAD civil drafting experience – at least 5 years and preferably 10 or more.
- Extensive working experience with preparing construction drawing details and plans and profiles for at least 3 of the following: water, sewer, storm drains, irrigation pipelines, and roads, and preferably with all 5.
- Good working experience preparing at least some of the following facility drawings is a plus: sewer lift stations, water booster stations, irrigation pump stations, and waterworks piping.
- Proficiency in using all tools of all ACAD menus and working with aerial photography imaging.
- 3 full years recent experience and competence with AutoDesk's LDD/Civil Design (and preferably classes and some working experience with Civil 3D) *or* Eagle Point's Civil software.
- Eagle Point users should be very experienced in using the Data Collection and Surface Modeling modules, and have extensive experience using the drafting design components of at least 3 of the following 4 modules: Sanitary Sewers, Storm Sewers, Road Calc, and Site Design, and preferably all 4 and more.
- LDD/Civil Design or Civil 3D users should be very experienced in using all tools of all:
 - LDD menus except Parcels; that is, Projects, Points, Lines/Curves, Alignments, Labels, Terrain, Inquiry, and Utilities, and experience with Parcels is a plus;
 - Civil menus, including Cross-sections, Pipes, Grading, Profiles, and Sheet

Manager;

- Applicant should also have good working experience with ACAD Express Tools, Map, imaging, and preferably AutoDesk's Raster Design or Hitachi's raster software;
- Code writing experience using AutoLisp is much preferred;
- Experience with scripting and Excel is a plus; and
- Applicant should have a general working and troubleshooting knowledge of software and hardware issues and be able to work through common or routine problems that arise (we are not looking for IT skills, just general knowledge and experience).

Communication and Interpersonal Skills

- Applicant must be a good speller and have reasonably good technical grammatical skills.
- Applicant shall have adequate telephone skills to be able to communicate in a professional manner with vendors and other consultant or client drafting and technical information departments and others regarding drawings, software, details, product information, etc. as may be required.
- Applicant must have good interpersonal skills required not only to be a team player with other drafters, but also with engineers and other office staff – we strive for a team approach in establishing and evaluating project procedures.
- Applicant shall have the skills to work with and help train other drafters, getting them up to speed with WEI procedures and standards and to help them continue to learn and develop in their profession.
- Applicant shall be able to fit into a small organization that, after 14 years in business, is looking to grow, and to be helpful and supportive through the transition.
- Applicant shall be a motivated learner and one who is a self-starter. Applicant should be capable of finding methods, procedures, and solutions for increasing accuracy, speed, and efficiency of work. We want someone who builds on what they know, rather than just coasts along.
- Applicant must be attentive to details and have an attitude and approach of thoroughness. Productivity while maintaining high quality is our goal.

Cost of Living Information

The cost of living in Eastern Idaho is fairly low. Food and gas are typical of less densely populated areas, being slightly higher than in metropolitan areas. However, this is more than made up in the low cost of land and consequent lower housing costs. Suburban acreage is typically in the \$4,000 to \$6,000 per acre range, with small 1 and 2 acre lots typically in the \$25,000 to \$40,000 range. Nice but older homes come cheaply, ranging from \$50 to \$70 per square foot. An example of housing costs is the home the owner of WEI purchased at market value in May 2004. Located in a nice neighborhood with



doctors, surgeons, college professors, and business owners, lots are 1.3 acre to 5 acres, all nice homes with attractive landscaping. The owner's home was built in 2000, has 3818 livable square feet, an oversized three car garage with shop, landscaping in with automatic sprinkler system, paved driveway, and its own water well. Constructed with Styrofoam block and concrete, costs for the preceding 15-month period with occupation by a family of six and a mother-in-law setup (the house has separate kitchen, dining, living, and bedroom) was \$135 per month for natural gas, electricity, and water (electricity costs for the well). The purchase price was \$219,000, or \$57.36 per square foot. Building new will cost approximately \$95 to \$100 per square foot.

Growth in the area is strong, at least 5% in most areas in the region, and 20% each of the last 5 years in Ammon, located 30 miles south. With the change from a 2 year college to 4 year, growth in Rexburg has been estimated at 12-1/2% in each of the last several years, which should level out, but land prices have risen and land and housing in the area appears to be a good investment.

Compensation and Benefits

WEI uses a professional employee organization (PEO) to handle all payroll, benefits, and labor issues. This allows those aspects of business to be handled legally, professionally, and expeditiously. It also allows WEI to provide a full range of benefits normally found only with larger companies.