SUBSTATION PHYSICAL LAYOUT ENGINEER – E2

Posting ID: EM200134C2
Company: Timmons Group, Inc.
Position Type: Full-Time
College Major(s): Electrical Engineering (EE)

Company Website: http://www.timmons.com/
Work Location: Glibert, AZ
Salary:
College Level(s): Undergraduate-Senior, Graduate Student, PhD. Student, Alumni

OVERVIEW

Timmons Group is a multi-disciplined engineering and technology firm recognized nationally as a “Best Firm to Work For” by CE News. We offer a workplace ripe with rewarding opportunities while cultivating a healthy work-life balance. With more than a dozen offices throughout the Mid-Atlantic and Southeast, we provide civil engineering, environmental, economic development, GIS/geospatial technology, landscape architecture and surveying services to a diverse client base. Take a closer look at all that makes Timmons Group unique: diverse talents, challenging assignments, interesting projects, culture of learning and a flexible family-friendly work environment. Competitive salaries and a generous benefits package strengthen the advantages we offer. For more information, visit: www.timmons.com.

We are currently seeking a Substation Physical Layout Engineer - E2 for our Power Engineering & System Planning group in our Phoenix, AZ area office. Under general supervision, the Substation Physical Layout Engineer II will develop and/or revise substation drawings related to the physical layout of electric power substations from 4kV to 500kV. They will apply engineering standards including NEC, NESC, NEMA, IEEE and ANSI. This position reports to the Group Leader.

Roles and Responsibilities
Arrangement of substation structures, equipment and their foundations

Develop section views and other detail drawings that show how structures, equipment and bus work are installed

Layout of conduits and raceways

Ground grid design and equipment grounding

Physical substation design including yard layouts, plans, sections and details, grounding, lightning protection, control building arrangements, interior and exterior raceways, auxiliary AC/DC power systems and associated bills of material
Arrangement of substation structures, equipment and their foundations

Develop section views and other detail drawings that show how structures, equipment and bus work are installed

Ground grid design and equipment grounding

Load/system studies and coordination

Arc-flash studies

Prepare calculations for studies and reports (grounding, lighting protection, AC/DC load studies, etc.)

Prepare equipment specifications for procurement and/or factory acceptance testing

**Education and Qualifications**

Bachelor’s degree in Electrical Engineering from an accredited college or university required

3+ years of experience in the electric utility industry or related experience

Excellent attention to detail required

Experience with grounding study software and/or other analysis software preferred

Knowledge of computer drafting tools such as AutoCAD preferred

Great communication skills and responsiveness

Ability to multi-task

Professional demeanor required

**Preferred Skills**

The requirements listed above are representative of the knowledge, skills and/or abilities required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

We are looking for high energy, creative, flexible, patient, self-starters who are willing to work at a dynamic pace. Candidates must share a commitment to our company’s Vision, Mission and Shared Values.

Timmons Group is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability or protected Veteran status.

**How to Apply**
