**CIVIL/STRUCTURAL ENGINEER 1 – ENTRY LEVEL**

**AMPIRICAL - KEARNY MESA OFFICE, SAN DIEGO**

**AMPIRICAL OVERVIEW**

Since 2006, Ampirical has provided comprehensive customer support, from project conception to design engineering, project management, and construction in electrical transmission and distribution. With over 70 years' experience combined in this industry alone, Ampirical’s founders have a long history of fulfilling their mission in *Engineering Power-ful Solutions*.

**SUMMARY**

The Overhead Transmission Line Design Engineer is responsible for the detailed design of electric transmission, sub-transmission, and distribution lines.

**ESSENTIAL DUTIES and RESPONSIBILITIES**

* Prepare conceptual routes, layouts, preliminary designs as well as detailed designs utilizing established guidelines and specifications for high voltage transmission lines
* Prepare plan and profile sheets, staking sheets, bills of materials, and stringing charts
* Develop and modify design criteria utilizing industry standards and/or client specifications
* Develop and modify pole loading drawings, framing drawings, and construction drawings
* Develop and modify terrain models
* Perform structure loading calculations
* Perform as-built revisions
* Provide construction support
* Review and provide quality assurance for design engineering deliverables developed internally or by third parties
* Occasionally attend project site visits/walkdowns
* Interface occasionally with the client at their offices or in the field
* Support client’s design engineers as directed

**QUALIFICATIONS**

**REQUIRED**

* Bachelor’s Degree in Civil or Structural Engineering from an accredited engineering school.
* Ability to prioritize work, manage tasks for multiple projects under budget, and time constraints.
* High level of personal initiative and ability to interact with personnel, clients, and contractors.
* Strong problem solving and analytical skills and must be proficient on the computer.

**PREFERRED**

* EIT Certified
* Proficient in PLS-CADD and PLS-POLE, and experience with AutoCAD and/or MicroStation.
* Experience with PLS-TOWER, and SAG10 are preferred.
* Familiar with CPUC GO-95 & SDG&E Standards

**WORK ENVIRONMENT**

The Overhead Transmission Line Engineer will to report senior personnel for each project, will interface with other members of the department, and have occasional interface with the client at their office. Travel out of town for short periods may be required by project and assignments.

Interested in Engineering Power-ful Solutions? Take a look at the link below to see why working at Ampirical is much more than a job...

<https://youtu.be/ilneslhRWWY>

Please apply for this position at the following link:

<https://ampirical.hrmdirect.com/employment/job-opening.php?req=1027996&&jbsrc=1025>

See all job openings at all offices for Ampirical:

<https://ampirical.com/careers/available_opportunities/>