



Job Description

Name:		Location:	9605 Camp Bowie West
Job Title:	Signal Systems Supervisor	Reports to:	AVP Systems Operations
Department:	Systems Operations	Division:	Signal Systems Design
Travel Required:	15%	Position Type:	Full Time Employee

Job Description

Role/Purpose

In one to three sentences describe the overall purpose for this role in the organization. This area will answer the question "Why does this position exist?"

- *Responsible for all aspects of Highway Grade Crossing Warning design*
- *Manage various Signal and Communication projects to ensure adherence to necessary specifications, standards and practices*
- *Manage, train, and grow the Signal System Design Team*
- *Serve as the electrical design expert for CTC*

Key Responsibilities

Summarize the measurable activities of the position. For example, what does this person do for the company that is different from others. Please be specific.

- *Design and review site layout and circuit prints supporting estimate generation for Project Managers*
- *Provide prints to be sealed by Project Engineer (or seal prints if designated PE)*
- *Provide wiring prints for EAF to wire bungalow and signals*
- *Provide construction prints to Construction crew to install bungalow and signals*
- *Provide final AS installed prints for seal if necessary and then given to Project Manager for submittal to railroad/customer*
- *Ensure designs are safety-critical through the design of system hardware and thorough functionality testing*
- *Provide systems training to customers*
- *Provide customer technical support*
- *Train and mentor Signal System Designers*
- *Respect and abide by corporate policies and procedures*
- *Other tasks as assigned*

Qualifications, Education and Training Requirements

Typically defined in terms of education, certifications, technical competence and experience. What certifications, designations, or other training does this position require in order to be safely executed?

- *Bachelor's – Electrical Engineering*
- *Programming languages such as C / C++ / C# including Boolean and ladder logic designs*
- *Proficient with CAD programs such as Bentley Microstation, AutoDesk / AutoCAD 2D/3D, Eagle PCB Design*
- *Advanced knowledge of computer software / hardware / architecture*
- *Knowledge of computer operating systems such as Windows, Mac, and Linux*
- *DESIRED: Professional Engineer (Electrical)*