

JOB DESCRIPTION

Chief Transportation Design Specialist

Job Title: Chief Transportation Design Specialist

Job Type: Fulltime

Department: Engineering (Transportation)

Reporting Structure: Reports to Transportation Engineering Manager

Job Location: Magnolia, Texas

Travel or Environment Requirements: Occasional travel required for project site and client visits.

Must have dependable transportation, a Texas Driver's License and carry State mandated auto insurance. Requires visually observing and differentiating details and colors of objects; recognizing sound, tone and pitch; speaking and writing clearly and effectively; adjusting to interruption and changes; working in hot, cold, and noisy work areas; standing, walking and sitting for extended periods; climbing stairs and ladders; dealing with people in tense situations. Must be willing and available to conduct or attend some evening meetings.

Essential Duties

- Independently applies extensive and diversified knowledge of principles and practices in transportation project design to include development of schematics and plans, specifications and estimates (PS&E) with broad direction and guidance by project engineer.
- Uses advanced techniques in the modification or extension of design practices and disciplines to complete assignments.
- Works on major projects or several projects of moderate scope with complex features.

Technical Responsibilities:

- Assigns component work, oversees and integrates work product of design and drafting, specializing in various projects
- Works on transportation engineering projects under the supervision of a Licensed Engineer
- Performs design and detailing tasks for transportation projects
- Prepares and reviews complete project documents for accuracy, conformity, and quality assurance.
- Develops standards of practice, techniques and improved processes and procedures, especially related to roadway/highway CADD.
- Assists upper level management and staff as a technical specialist or advisor in addition to design responsibilities.
- Mentors and trains engineering interns, drafting and other design staff.

Managerial Responsibilities: Directs project production staff necessary to complete assignments. Performs Quality Control on other projects.

Direction Received: Receives supervision and guidance relating to overall objectives, critical issues, new concepts, and policy matters. Receives direction on unusual conditions and developments.

Communication Skills: Effective oral and written communication skills required to represent the organization.

Qualifications and Education Requirements:

Experience: 15+ years technical experience in transportation project design. Broad experience in the application of MicroStation and Geopak for transportation projects.

Education: Engineering or Technical Education

Licensure and Certification: None required

