

# JOB DESCRIPTION

## Engineer

**Job Title:** Engineer, Traffic Engineer, Transportation Engineer

**Job Type:** Fulltime

**Department:** Engineering (Civil/Traffic/Transportation)

**Reporting Structure:** Reports to Engineering Manager

**Job Location:** Houston, Texas

**Travel or Environment Requirements:** 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, and lifting up to forty (40) pounds. Must have State Driver's License and carry Texas State mandated auto insurance. Must have dependable transportation to attend meetings or to make field visits on a short notice. Must be willing and available to conduct or attend some evening meetings.

### Essential Function:

- Applies broad knowledge of principles and practices in a specific practice area.
- Evaluates, selects, and adapts standard techniques, procedures, and criteria.
- Acquires general knowledge of principles and practices of related fields, and ability to function on multi-disciplinary teams.
- Works on multiple projects of moderate size or portions of major projects.
- Present specific aspects of engineering assignments at project meetings

### Technical Responsibilities:

- Designs a complete project, system, component, or process.
- Prepares complete project documents.
- Designs to applicable standards and analyzes and interprets data.
- Formulates and solves problems in addition to EI responsibilities.
- Utilizes applicable software and tools in analysis and design of the project.

**Managerial Responsibilities:** Assign tasks and coordinates graduate engineers, Engineering Interns, technicians and administrative staff. Plans and coordinate detailed aspects of the engineering work.

**Direction Received:** Receives general direction on key objectives. Receives guidance when necessary on unconventional or complex problems, direction on modified techniques, and new approaches on assignments with conflicting criteria.

**Communication Skills:** Effective oral and written communications skill in order to interact with clients, customers, contractors.

### Qualifications and Education Requirements

**Experience:** 4+ years (Advanced degree may be substituted for the experience)

**Education:** Bachelor's Degree in Engineering from an ABET accredited program. Advanced Degree desirable. Engaged in life-long learning to maintain knowledge of contemporary issues.

**Licensure and Certification:** Professional Engineer

