



Job Title

Transportation Graduate Engineer – Drainage Design (December 2017 Graduates)

Reporting, Grade Level, and Location

Grade Level: Civil Engineering I.

Location: Jacobs Global Headquarters in Downtown Dallas, TX (Address: 1999 Bryan Street, Ste.1200, Dallas, TX 75201)

Keyword(s): Drainage EIT, transportation drainage, storm water, roadway, bridge, rail, hydrology, hydraulic modeling.

About Jacobs

The Buildings & Infrastructure Line of Business is a global network of employees, which serves both the private and public sector. Our employees work to shape the communities we live in by creating world-class projects that transform the future development patterns of those communities. We provide our clients award-winning planning, engineering, architectural and interior design, construction and program management, and design-build project delivery. The Jacobs business model allows us to successfully service our clients, leverage our integrated services, and provide our employees with growth opportunities while delivering global solutions to our client's local programs.

We consistently receive high rankings from Engineering News-Record (ENR) in many classifications, including the categories of Top ENR Design Firms, Top Contractors, Top Green Buildings Design Firms, and Top Transportation Companies.

Job Description

Jacobs Engineering Group – North Texas Transportation Group is seeking an entry level Transportation EIT with 0 to 3 years of experience in our Dallas, TX office to provide drainage design for roadway and bridge projects throughout Texas. Work at this level requires the ability to work in a team, collaborative, and fast paced environment. Typical work assignments may include storm drainage analysis and design, cross drainage analysis and design, bridge scour analysis, erosion control, temporary drainage, quantity and cost estimates, preparation of technical reports and memorandum, and preparation of construction plans, estimates, and specifications as required.

Principal Duties and Responsibilities:

- Work in a team environment with other project engineers on the detailed drainage design of urban and rural transportation projects.
- Conducts storm drainage analysis and design per the requirements of the project and various transportation public agencies such as TxDOT.
- Provide support in the preparation of contract drainage drawings, specifications, and estimates.
- Assist in the preparation of projects specific drainage reports and technical memorandum.



- Serves as a liaison between the Dallas Transportation Drainage Lead, Transportation Project Manager(s) and other project(s) staff members.
- Performs other duties assigned by the Dallas Transportation Drainage Lead and the NTX Transportation Group Manager as needed.

Qualifications

- Bachelor's Degree in Civil Engineering is required from a U.S. ABET accredited school or a foreign equivalent.
- Master's Degree in Civil Engineering from a U.S. ABET accredited school is preferred.
- Minimum GPA 3.0 is required.
- Registration as Engineer-In-Training (EIT) is required.
- An internship working on transportation and/or water resources projects with focus on drainage design is a plus.
- Previous experience working on PS&E, schematic and alternative delivery (i.e. Design-Build and PPP) transportation projects is a plus.
- Experience in utilizing Microstation, Geopak Drainage, and OpenRoads Subsurface Utility Engineering (SUE) is a plus.
- Experience with HEC-HMS and HEC-RAS is a plus.
- Ability to communicate effectively and coordinate all drainage design phases of a project with other team disciplines.

Resume and Cover Letter Submission

Please submit your cover letter and resume via e-mail to: mike.khairy@jacobs.com