

Thatcher Engineering, Inc. (Minneapolis, MN)

Structural Engineering Intern 2012 - Job Description

Thatcher Engineering, Inc. (TEI) is currently looking for an intelligent and ambitious Civil Engineering student whose studies include a Structural Engineering emphasis. TEI would prefer that prospective applicants have accomplished all lower division coursework and some upper division structural courses (approximately three or more years of completed course work).

TEI is currently seeking a seasonal employee for the 2012 summer. This employment opportunity will provide engineering experience(s) on a wide variety of structural projects including: construction observation of a renovation for a 125 year-old brick and timber building, bridge removal and construction of a new three-sided arch bridge; as well as, ongoing work with Architect, Landscape Architect and Industrial clients to meet their challenging structural engineering needs.

I. General Statement of Duties

Successful applicant will assist in the structural engineering services sector of TEI performing engineering services for our clients. He/She will be involved in a wide variety of structural engineering tasks that may include but not be limited to:

- Assist in structural evaluation, analysis and/or design of structural elements of existing or new architectural and industrial buildings
- Assist in perform construction observation of building renovation and/or bridge construction.
- Assist with structural analysis of complex structural systems for existing structures. Design structural modifications to increase load capacity of extend anticipated service life of structural members.
- Assist in developing engineering cost estimates and reports.
- Assist in developing project scopes, budgets and proposal for future work to TEI clients.
- Assist with structural drafting project in AutoCAD.
- Assist Registered Land Surveyor with surveying projects
- Assist Registered Geologist with on-site materials sampling and analysis.

II. Supervision Received

Successful applicant will work under the direct supervision of a Registered Professional Engineer who has 23 years of experience in providing practical solution orientated structural engineering in both design and construction administration. He/She will be provided with all required training (including job site safety training and/or confined space entry training if necessary), and mentorship for each specific task and project type.

III. Supervision and Leadership Authority Exercised

Successful applicant may have an opportunity to observe construction as a Resident Project Representative to review and verify compliance of construction performed by contractor and make direct reports of observations to responsible Engineer of Record (EOR).

IV. Responsibilities

Successful applicant will work in a variety of site conditions and must be comply with appropriate dress attire including wearing safety equipment furnished by TEI (failure to comply with safety equipment

Thatcher Engineering, Inc. (Minneapolis, MN)

requirements may be grounds for immediate termination). He/She will also be responsible for providing reliable observation of construction and be required to take accurate and complete notes of field work observed. (TEI will provide proper training for these tasks). He/She may also be required to effectively communicate information from the EOR to contractor(s) and general public. He/She will be required to provide a level of professionalism that promotes a positive image of TEI to our clients and the general public.

V. Travel from TEI office (Minneapolis, Minnesota)

Successful applicant will be required to provide their own vehicle. Some travel may be required to attend meetings at client's locations or construction sites. TEI will provide reimbursement for mileage at the rate of \$0.47 per mile (round trip from TEI office), and parking (with receipts).

VI. Qualifications

A. Education

1. Completed three years of study towards a BS of Civil Engineering degree.

B. Experience

1. Prior employment is preferred.

C. Skills

1. Ability to communicate and articulate effectively in English with TEI staff, clients, contractors, and general public.
2. Ability to deliver high quality exceptional services.
3. Possess effective verbal and written communication skills, strong technical skills, good work habits, and a team-orientated approach.
4. Excellent computer skills with MS Office products. Skills with RISA and AutoCAD software preferred.

D. Other Requirements

1. Valid driver's license with insurable driving record.
2. Immediate access to a reliable vehicle for use on TEI projects.
3. Construction observation may require climbing ladders, scaffolds, steep soil slopes.

The duties and requirements described above are the general nature and level of work to be performed, but are not intended to be a complete comprehensive list of all the duties and requirements. TEI has the right to revise this job description at any time.

TEI is an EOE/Drug Free Employer.

VII. Applications

Interested applicants may submit a cover letter and resume by April 30, 2012 to:

Mr. Paul E. Steward, PE
Vice President, Structural Engineering Services
Thatcher Engineering, Inc.
3055 Old Highway 8, Suite 103
Minneapolis, Minnesota 55418
psteward@thatcher-eng.com

Emailed applications must have the following subject line: TEI Structural Engineering Intern 2012
TEI will respond by May 4, 2012 to setup interviews.