
Role Specification

Job title: Civil Structural Engineer

Department: Engineering

Location: Houston, USA

Date: December 2022

The role within the Company

Velocys continues to build upon its project delivery capabilities and is now seeking a talented individual to join the engineering division in this newly created role of Civil Structural Engineer based at our project execution office in Houston, USA.

The primary focus of the position is to ensure the accuracy of technical input for all aspects of project delivery. Key areas will include the full management and development of specifications, involving design criteria, analysis, and forecasting. In addition, involvement with permitting, equipment and material procurement will be required in collaboration with subcontractors and third parties as appropriate. Equally, the role will require the successful candidate to draw upon their extensive experience of solving complex engineering issues, while recognising the need to remain on track with the both the project and company objectives.

Responsibilities

- Development and review of design criteria
- Identify issues relating to the project and apply analytical, practical problem-solving skills to resolve problems in real time
- Provides support for change orders associated with civil site development
- Management of project procurement requirements associated with materials and equipment
- Revision of project specifications, technical bid evaluations to support the award recommendations of identified suitable subcontractors
- Management of permitting and subcontracting requirements
- Produce and monitor project forecasts, check calculations and supply chain
- Co-ordination of engineering deliverables in assigned areas between Civil and Structural and other engineering disciplines to include licensors and subcontractors
- Provides input to preparation of cost estimating plan
- Review of estimate quantities
- Lead the structural, civil, and geotechnical design within the projects to include the drafting of contractors' scope of works.
- Promote and support value engineering initiatives with all parties as appropriate
- Apply proven knowledge of and ability to create and interpret steel and or concrete calculations
- Review and interpret geotechnical reports.
- Draw upon understanding of pertinent US and UK design codes, government regulations, and industry practices.

Organisational interactions

- Immediate supervisor title: Vice President, Engineering
- Next level supervisor title: Senior Vice President, Global Head of Business & Technology



- Delivery
- Collaboration with other individuals and groups:Engineering, Manufacturing and Catalysis Departments of Velocys, third party vendors, suppliers, and sub-contractors

Education and experience

- Accredited degree or equivalent in engineering discipline
- Demonstrable practical experience gained in an engineering related commercial environment
- Professional membership of a recognised engineering body
- Strong attention to detail with the ability to multi-task and deliver to deadlines
- Demonstrable interpersonal skills and communication skills with the ability to converse on all levels.
- Excellent report writing skills to include technical and commercial content
- Analytical approach to problem solving and identifying potential solutions
- Intermediate knowledge of MS Office to include O365, Word, Excel and PowerPoint.
- IT literate with the ability to use discipline specific software.

Contact

Please send your CV and any additional information to support your application to:

careers@velocys.com.

