

Senior CAD Technician / Drafter

As a Senior CAD Technician / Drafter you will be responsible for preparing plans to be used in engineering and construction, including highway, bridge and tunnel components. You will support our engineering department in designing and drafting plans, roadway profiles, cross sections, and general civil engineering/infrastructure project elements.

Principal / Essential Duties & Responsibilities:

- Prepares means and methods drawings on the construction methods, sequence of works, temporary works, formwork definition as well as lifting operations and logistic issues, including scaffolding and accesses
- Ensure that all the Requirements from Employers and any parties are met and that no objections can be provided to the permanent construction
- Ensure that the drawings are developed using the workflows set in the CADD Manual
- Ensure that those drawings are compliant with the required standards by using designated softwares (AutoCAD, 2D, 3D and Autodesk Civil 3D)
- Work closely with other departments and engineers
- Integrate quality and safety measurements and prevent any risks in the execution methods and sequence drawings
- Report about the progress of the design development
- Circulate the drawings to the design or construction team for their further review and upon review, integrate the received comments through issuance of reviewed drawings
- Train and mentor junior drafters
- Assist the engineering department on creating standards, libraries and templates
- Perform other related duties as assigned

Qualifications:

Required

- Associate's Degree from an accredited institution.
- Minimum of 5 years' experience as Draftsman/CAD Designer in the construction industry and in infrastructure works (roadway, bridge, tunnel, etc.).
- Minimum 2 years' experience using AutoCAD Civil 3D software.
- Minimum 1 year experience on Formwork, Work Sequences and Construction Methods drawings.

Preferred

- Experience in infrastructure 3D Modeling such as: building pads, alignment and profile design, roadway modeling, DTM modeling, drainage, cross sections and quantity take-offs.
- Experience with Microstation GEOPAK SS4 or Bentley Openroads designer.

- Knowledge or experience in BIM software, such as Revit, Navisworks or Synchro.
- Previous experience in tunneling projects and/or large infrastructure projects.

This job description describes the general nature and level of work performed by employees within this classification. It is not a comprehensive inventory of all duties, responsibilities and qualifications required of employees assigned to this job. This document does not create an employment contract, implied or otherwise; employment in this job is an “at will” employment relationship.

Equal Opportunity Employer