

Rail Engineer

Full Time Professional

Denver, CO, US

30+ days ago Requisition ID: 1494

Salary Range: \$80,000.00 To 110,000.00 Annually

Job Title: Rail Engineer

Industry: Commuter Rail Operations & Maintenance

Reports to: Chief Engineer

Position Summary:

Position is responsible for railroad systems and infrastructure-related engineering projects. Oversees and reviews the work of staff and contracted personnel conducting design, repair, maintenance and replacement of track, drainage systems, bridges & culverts, highway-rail and pedestrian-rail grade crossings, signal control points/interlockings, overhead contact systems and substations, stations, maintenance facilities, and park and rides. Position may also be responsible for providing and/or facilitating design, calculations, and various engineering services.

Description of Duties:

- Manage scope, budget, and schedule, as well as development of design criteria, specifications, project guides, project meeting notes, and cost estimating activities for multidisciplinary engineering projects.
- Provides technical reports, engineering plans, and specifications through data collection/analysis/interpretation, field study, and problem solving to drive system safety, availability, reliability, and maintainability.
- Act as the main technical adviser for subcontractors and craft personnel.
- Collaborate with cross-functional teams to provide seamless project execution.

- Assist DTO Procurement and Administration staff with preparation of Engineering Contracts through scope of work development.
- Assist with the development and implementation of Engineering Department maintenance standards and asset renewal criteria as necessary.
- Interface with contractors for the preparation of engineering drawings, plans, and specifications.
- Independently evaluate, select, and apply standard engineering techniques, procedures, processes, and criteria using sound judgment in making adaptations and modifications to Engineering Department-issued drawings, plans and specifications.
- Assist with the implementation of processes and tools, providing system reports, maintaining and updating electronic information systems.
- Use computer design software and field equipment to prepare engineering documents.
- Participates in the development and implementation of goals, objectives, and procedures for the Engineering Department.
- Attends and participates in professional group meetings, staying on top of new trends and innovations in the field of railroad design, maintenance, inspection and repair.
- Other duties as assigned or required to meet business needs.

Qualifications:

- Bachelor of Science degree in Engineering from a four-year college or university.
- Minimum 4 years related experience.
- Engineer in Training (EIT), or Professional Engineer (PE) license, preferred.
- Working knowledge of rail systems (Track, Signals, Power/OCS, Structures).
- Must have strong oral and written communication skills.
- Must have strong analytical skills and attention to detail.
- Proficient in the Microsoft Office Suite of applications; AutoCAD Design software; Asset management and maintenance management systems.
- Ability to prioritize and accomplish multiple tasks with minimal supervision.
- Understand applicable regulatory requirements pertaining to rail systems.
- Must be available to travel and work in the field on occasion.
- Must hold, or have the ability to obtain, a valid Colorado driver's license.
- Must be eligible to work in the U.S. and successfully pass a pre-employment background check.

- Must pass a pre-employment drug and alcohol screen and be willing to comply with the DTO Drug and Alcohol Policy.
- Salary will be based off experience, skills, and qualifications the candidate brings to the position.

Working Conditions:

- Though infrequent, the incumbent might be required to work nights and/or weekends.
- Environmental Conditions: office, field, and construction site environment; exposure to noise, dust, grease, smoke, fumes, gases, heat, cold, and inclement weather conditions
- Physical Conditions: May be required to walk, stand, or sit for prolonged periods of time.