

Alternative Job Titles

Project Engineer, Construction/Project Manager, Heavy Highway/Civil Construction Superintendent, Project Foreman

Job Description

A Construction Manager for heavy civil and highway/roadway projects is responsible for the overall completion and management of construction projects. Responsibilities include oversight of project quality control, financial controls, production efficiency, site safety, and project management systems and reporting. The position requires knowledge of construction and project management practices, equipment, standards and policies, and job site reporting. Construction Managers provide leadership on safety promotion on the project site. Safety-related competencies include knowledge of systemic safety principles to assess risk, develop safety plans, and promote, implement, and evaluate project safety. Duties include:

- Identify hazards and control measures for each phase of a project.
- Develop safety plans based on risk assessment, incorporating knowledge of safety regulations and compliance measures.
- Utilize effective traffic control techniques to ensure safety of project site workers and those passing through a work zone.
- Implement effective safety measures on site and use safety management techniques to conduct incident investigations, identify deficiencies, and implement effective countermeasures.
- Understand systemic road safety principles and crash reduction factors; ensure road design and construction practices integrate road safety best practices.

Knowledge Requirements

- Construction & Traffic Control Practices
- Health, Safety & Environmental Policies and Compliance
- Job Hazard & Risk Analysis
- Incident Investigation
- Safety Design & Countermeasures
- Project Management Practices
- Construction Equipment
- Estimating/Budgeting/Cost Control
- Quality Assurance and Control

Required Skills & Abilities

- Project Management/Supervision
- Written and Oral Communication
- Organizational Skills
- Time and Task Management Skills
- Teamwork
- Problem Solving
- Interpersonal & Conflict Resolution
- Safety Culture Leadership

Technical Skills Requirements

- Scheduling Software
- Cost Estimating & Tracking Software
- Microsoft Office Applications

Education & Work Experience

- A combination of education and work experience is generally accepted.
- A Bachelor's or Master's degree may be required for some senior positions.
- Additional certifications or licenses may be required by employers (e.g. CDL, OSHA, Safety Trained Supervisor, Work Zone Safety Certifications, Safety Certified Transportation Project Professional).