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LA and the nation.

Los Angeles County Metropolitan Transportation Authority
**Senior Director, Project Engineering
(Tunneling)**

The Senior Director, Project Engineering will be responsible for the management and performance of the strategic and tactical activities of a Project Engineering group supporting planning, design, and construction for Metro projects. Responsibilities include staff management, establishing design criteria for tunneling discipline, reviewing tunnel engineering plans, resolving complex tunneling challenges, pre-feasibility studies, conceptual engineering, representing Metro at public meetings, and interfacing with other disciplines and all Metro capital projects.

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Essential Knowledge and Abilities

- > Theories, principles, and practices of engineering and architectural planning, design, construction of transit system facilities, bus and rail transit systems, and vehicle engineering
- > Contemporary construction methods, equipment, material, and construction costs
- > Research techniques and report preparation
- > Applicable local, state, and federal laws, rules, and regulations
- > Project management
- > Safety policies and procedures
- > Public agency procurement procedures and contract administration
- > Modern management theory
- > Planning, organizing, and directing the overall functioning of an engineering department
- > Managing engineering planning, design, and construction
- > Following regulations, policies, and procedures
- > Communicating effectively orally and in writing
- > Analytics, troubleshooting, and decision making
- > Interacting professionally with various levels of Metro employees and outside representatives
- > Exercising sound judgment and creativity in making decisions
- > Determining strategies to achieve goals
- > Establishing and implementing policies and procedures
- > Managing and directing subordinate staff
- > Read and interpret civil engineering, mechanical, and electrical drawings
- > Lead and share the vision/objectives
- > Actively listen
- > Determine risks and any long-term safety issues with a specific design
- > Think and act independently
- > Understand, interpret, and apply laws, rules, regulations, policies, procedures, contracts, budgets, and labor/management agreements
- > Prepare comprehensive reports and correspondence
- > Plan financial and staffing needs
- > Make financial decisions within a budget
- > Travel to construction sites
- > Read, write, speak, and understand English

Key Duties and Responsibilities

- > Prepares Project Engineering Facilities or Systems group work plan and administers the group's work for compliance with authorized budget and schedule
- > Coordinates with other Engineering Directors to plan, prioritize, update, and monitor the Department's work and to assign staff to each project
- > Directs the activities of Project Engineering Facilities or Systems group to monitor and review the work of consultants, subconsultants, cost and schedule

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proposals, negotiations, and development of consultant workplans

- > Develops work scopes and negotiates consultant services contracts and contract changes; coordinates and supervises consultants' engineering design activities
- > Directs engineering and architectural activities related to the design and construction or modification of major bus and rail facilities, guideways, tunnels, and structures
- > Directs coordination with other environmental engineering activities, including site assessments, ground water remediation, soil remediation, liquid waste testing and disposal, permitting, water conservation, and regulatory compliance
- > Directs and oversees management of projects related to ADA (Americans with Disabilities Act), Clean Air Act, and others as mandated by federal, state, and local regulatory agencies
- > Directs engineering activities related to the systems design and construction of new and existing transit systems facilities, including mechanical, electrical, and communications work
- > Investigates project problems and makes recommendations to prevent future occurrences
- > Resolves conflicts between designer and project requirements and or regulatory requirements
- > Validates that the designs perform as expected by detail testing
- > Evaluates system's manufacturers recommended component overhaul schedules
- > Assures that state-of-the-art engineering approaches are applied during design and construction of engineering projects and work complies with Metro Standards and Criteria
- > Contributes updates to the Metro Design Criteria, as necessary, based on lessons learned on other projects
- > Ensures work complies with federal, state, and local laws, regulations, and rules
- > Assists in planning, developing and implementing departmental policies and procedures and recommending improvements
- > Assists in establishing and implementing Construction Project Management's goals and objectives
- > Prepares reports, test plans, presentations, and white papers; presents reports to management and Board of Directors
- > Confers with Metro management, staff, government officials, contractors, and consultants regarding engineering matters relating to systems improvements
- > Directs a staff of professional engineers, architects, and associates directly and through subordinate management
- > Communicates and implements safety rules, policies, and procedures in support of the agency's safety



vision and goals; and maintains accountability for the safety performance of all assigned employees

- > Leads design team for plan check with city, county, Caltrans, public utilities, SCAQMD (South Coast Air Quality Management District), and other regulatory agencies
- > Contributes to ensuring that the Equal Employment Opportunity (EEO) policies and programs of Metro are carried out

Experience and Education

- > Bachelor's Degree in Engineering, Architecture, or a related field; Master's Degree in a related field preferred
- > Five (5) years of relevant management-level experience in facilities or systems engineering design and construction of major public agency transit projects or major public agency building projects

Preferred Qualifications

- > Experience planning and designing vertical and horizontal tunnel alignments and construction of bored tunnels, cross passages and tunnels including geotechnical and structural items
- > Experience planning, designing and providing construction support services to projects with tunneling components
- > Experience interpreting data from tunnel boring machines and geotechnical instrumentation databases
- > Experience performing tunnel engineering, including planning, feasibility, preliminary engineering, final design, design support during construction, and rehabilitation of tunnels and underground structure
- > Experience presenting complex tunneling issues verbally, email, memoranda and reports
- > State of California registration as a Professional Engineer or Architect

Salary

- > The salary range for the Senior Director, Project Engineering is H1Q (\$127,941- \$159,910 - \$191,880) Salary placement will be determined by education and experience.

Benefits

Financial Security

- > 401k Thrift Savings Plans
- > 457 Deferred Compensation Plans
- > CalPERS Pension Plan

Group Benefit Plans

- > Medical/Dental/Vision/Life Insurance
- > Medical and Dependent Care Flexible Spending Account

Time Off

- > Time off with Pay
- > 12 Paid Holidays
- > Maternity & Family Leave

Employee Perks

- > Transportation Passes and subsidies
- > Medicare
- > Tuition Reimbursement
- > Credit Union Membership
- > SDI
- > Employee Assistance Plan
- > Flexible Work Schedules
- > Child Care Center
- > Jury Duty Pay

Application and Selection Procedure

For more information about Metro, please visit metro.net
The closing date for this position is **Friday, September 16, 2022.**

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Please submit your cover letter and resume to:

Kate Harrington

Partners In Diversity, Inc.
KATE.HARRINGTON@P-I-D.BIZ
www.partnersindiversity.com