

# Lead Consultant Civil Engineering

Roseville, CA, United States

APPLY NOW

## Job Description

### This Opportunity

WSP is looking to build our **transportation design team** in the **Sacramento region** with a **Lead Civil Engineer**. The ideal candidate will provide project leadership on complex civil engineering projects ensuring contributors know what they are required to do and by when, preparing and overseeing relevant project budgets, monitoring external events, ensuring satisfactory performance, and supervising subcontractors and employees.

The ideal candidate will provide high level technical assistance and guidance for multi-site/phase due diligence, investigation, remediation, impact assessment, permitting, improvement, and construction of infrastructure projects and systems in the public and private sector. Tasks include the research and data gathering, concept development, planning, and design of facilities, roads, site improvements, water supply systems, drainage systems, and sewage collection systems. Substantiates reports and documentation to advise on material, installation, design, and construction specifications. Ensures that responsibilities are delivered and adhered to with a level of quality that meets or exceeds acceptable industry standards for design, safety, and functionality.

### Your Impact

- Provide guidance with collecting, compiling, and analyzing data from the physical work site, surveys, GIS data, subsurface utility information, maps, hydrologic analysis, geotechnical data, and other matrices for project development, design, and construction.
- Apply high-level civil engineering techniques and processes to identify improvements for various infrastructure project phases including concept development, preliminary design, final design, procurement, construction, and operation.
- Perform professional civil engineering work and conduct research and inspections of proposed and existing site conditions, resources, building, infrastructure, transportation facilities, and operations to determine conformance with applicable rules, standards, and construction or operating permits.
- Develop construction plans, specifications, and cost estimates; preparing construction phasing plans, and updating infrastructure layout plans that require coordination with owners, other disciplines, sub-consultants, and clients.
- Involved from project inception to completion in the management of design and construction of infrastructure projects, including rehabilitation and reconstruction, grading, drainage, pavement design, specifications, building materials, and phasing.
- Oversee and monitor cross-functional teams of engineers, planners, and scientific professionals to execute project work on mid-level and/or multiple concurrent projects, including budgets, tracking hours and

- expenses, task completion, cost and quantities of materials/equipment/labor, technical calculations, permit applications, construction, compliance documentation, and regulatory and technical analysis memos.
- Coordinate, review and approve infrastructure design plans, ensuring data integrity and work is compliant with all applicable codes, ordinances, and regulations.
- Prepare data and visualizations such as tables, charts, reports, sketches, calculations, cross-sections, and other illustrations for the interpretation or presentation of more complex data, findings, or analyses.
- Prepare comprehensive technical reports and presentations that explain research, concepts, and recommendations to prevent, control, restore, or address engineering, design, and/or construction issues or opportunities.
- Analyze, evaluate, and interpret data obtained during field investigations, offering input with developing action plans for moderate- to high-level risk mitigation activities.
- Prepare and implement site Health and Safety Plans (HASPs).
- Interact with regulatory agencies, subcontractors, and clients in a confident and professional manner.
- Collaborate with professionals, other engineers, planners, and infrastructure authorities on Federal, State, regional, and locally funded improvement and development projects, as well as proposal and business development opportunities.
- Remain current in latest civil engineering techniques and practices.
- Exercise responsible and ethical decision-making regarding company funds, resources and conduct, and adhere to WSP's Code of Conduct and related policies and procedures.
- Perform additional responsibilities as required by business needs.

## **Who You Are**

### **Required Qualifications**

- Bachelor's Degree in Engineering, or closely related discipline.
- 7 to 10 years of relevant post education experience in engineering and civil design.
- Engineer license required.
- Proficient with civil engineering principles, practices, process, design/build, and the application to permitting and project work-related issues.
- Extensive knowledge of infrastructure design.
- Experience with infrastructure planning, design, and construction management; including active involvement in a variety of rehabilitation, new design, and construction projects.
- Well-defined specific knowledge of relevant civil construction laws, codes, regulations, compliance practices, and record-keeping requirements.
- Well-developed ability to make technical computations and calculations involving the application of engineering principles, understanding plans and specifications, and making factual comparisons to the appropriate regulations.
- Highly effective interpersonal and communication skills when interacting with others, expressing ideas effectively and professionally to an engineering and non-engineering audience.
- Demonstrated high-level of self-leadership with attention to detail, multi-tasking, and prioritization of responsibilities in a dynamic work environment.
- Works independently with minimal oversight and provides guidance and leadership to junior team or project members, with strict adherence to QA/QC.
- Highly proficient with technical writing, office automation, discipline-specific design software (i.e., MicroStation, AutoCAD, Civil 3D, ArcGIS, InRoads,), technology, math principles, spreadsheets, and tools.
- Well-developed critical thinking and problem-solving skills required to apply technical knowledge to reach conclusions from testing results, data collation, computations, statistical analysis and arriving at the most effective, economical, and logical solution.
- Demonstrated effectiveness at coordinating and assertively directing subcontractors and others to consistently complete tasks safely and efficiently.
- Proven track record of upholding workplace safety and ability to abide by WSP's health, safety and drug/alcohol and harassment policies.
- Ability to work schedules conducive to project-specific requirements that may extend beyond the typical workweek.
- Occasional travel may be required depending on project-specific requirements.

### **Preferred Qualifications:**

- Master's Degree in Engineering.

### WSP Benefits:

WSP provides a comprehensive suite of benefits focused on providing health and financial stability throughout the employee's career. These benefits include coverage related to medical, dental, vision, disability, and life; retirement savings; paid sick leave; paid vacation (or other personal time); paid parental leave; and paid time off for purposes of bereavement, voting, and/or attendance at naturalization proceedings.


Compensation:

Expected Salary: \$107,000 - \$158,950

WSP USA is providing the compensation range that the company in good faith believes it might pay and/or offer for this position within the state of Colorado, based on the successful applicant's education, experience, knowledge, skills, and abilities in addition to internal equity and specific geographic location. WSP USA reserves the right to ultimately pay more or less than the posted range and offer additional benefits and other compensation, depending on circumstances not related to an applicant's sex or other status protected by local, state, and/or federal law.

#LI-RF1

## Job Info

Job Identification	59646
Locations	 1000 Enterprise Way, Roseville, CA, 95678, US
Posting Date	07/30/2024, 11:07 AM

## About Us

### About WSP

WSP USA is the U.S. operating company of WSP, one of the world's leading engineering and professional services firms. Dedicated to serving local communities, we are engineers, planners, technical experts, strategic advisors and construction management professionals. WSP USA designs lasting solutions in the buildings, transportation, energy, water and environment markets. With more than 15,000 employees in over 300 offices across the U.S., we partner with our clients to help communities prosper.

[www.wsp.com](http://www.wsp.com)

WSP provides a flexible and agile workplace model while meeting client needs. Employees are also afforded a comprehensive suite of benefits including medical, dental, vision, disability, life, and retirement savings focused on providing health and financial stability throughout the employee's career.

At WSP, we want to give our employees the challenges they seek to grow their careers and knowledge base. Your daily contributions to your team will be essential in meeting client objectives, goals and challenges. Are you ready to get started?

WSP USA (and all of its U.S. companies) is an Equal Opportunity Employer Race/Age/Color/Religion/Sex/Sexual Orientation/Gender Identity/National Origin/Disability or Protected Veteran Status.

The selected candidate must be authorized to work in the United States.

### **NOTICE TO THIRD PARTY AGENCIES:**

WSP does not accept unsolicited resumes from recruiters, employment agencies, or other staffing services. Unsolicited resumes include any resume or hiring document sent to WSP in the absence of a signed Service Agreement where WSP has expressly requested recruitment/staffing services specific to the position at hand. Any unsolicited resumes, including those submitted to hiring managers or other business leaders, will become the property of WSP and WSP will have the right to hire that candidate without reservation – no fee or other compensation will be owed or paid to the recruiter, employment agency, or other staffing service.