

Position Details**Classification:**

Senior Transportation Engineer

Office:

Planning and Engineering

Working Title:

Engineering Technical Lead

Location:

Fresno

Position Number:

311-646-3161-007

HR Approval Date/Initials:

7/23/26 SA

CBID/Bargaining

Unit: R09

Work Week

Group: E

Tenure:

Permanent

Time Base:

Fulltime

Job Description Summary

Under the general direction of the High-Speed Rail Authority's (Authority) Supervising Transportation Engineer, the Senior Transportation Engineer will serve as the Engineering Technical Lead. The Senior Transportation Engineer is responsible for providing technical oversight for the Structural and Seismic Engineering section to support Design and Construction at the Authority, a complex railroad megaproject. The Senior Transportation Engineer shall have extensive knowledge of structural and seismic design and construction procedures and practices and will perform a variety of complex tasks, requiring a high degree of independent action, initiative, discretion, and tact to ensure the efficient and effective functioning of the Structural and Seismic Engineering Section. The Senior Transportation Engineer will represent the Authority when participating in meetings with contractors, consultants, and working with representatives from other Federal, State, Regional and local agencies. The Senior Transportation Engineer will prepare correspondences between contractors, consultants, and other stakeholders, regarding technical engineering issues.

Duties

Percentage

Essential (E)/Marginal (M)

- 35% (E)
- Develops engineering policies, procedures, and bulletins.
 - Conducts studies and research for engineering reports, technical papers, and directive letters.
 - Develops and maintains engineering processes and plans.
 - Performs analysis and interpretation of reports, studies, and plans to establish engineering services.
 - Interpretes of structural and seismic engineering related design criteria, codes, and third party and local agency requirements.
 - Works cooperatively as a representative of the Authority at

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- external and internal meetings.
 - Prepares correspondence and reports relating to technical issues between contractors, consultants, and other stakeholders.
- 35% (E)
- Responsible for technical oversight during the planning, design and construction of segments along the high-speed rail corridor.
 - Reviews preliminary and final design packages and construction contractor submittals, including guideways, bridges, transportation structures, and other areas of structural and seismic engineering.
 - Coordinates programmatic due diligence reviews of technical submittals received from the various construction and design packages.
 - Performs document management and review coordination related to technical design submittals, requests for information, and designs variance requests.
- 15% (E)
- Facilitates timely reviews of invoices for completeness and compliance with Authority's policies and procedures, the State Contracting Manual (SCM) and the California Government Code (GC), to ensure timely payments are made and to avoid penalties under the California Prompt Payment Act.
 - Monitors and manages assigned contracts and agreements to ensure all contractual requirements are met and are administered in with the applicable policies and procedures of the Authority, SCM and GC.,
 - Provides project management support including development of scope of work, schedule, and budget for task orders.
- 10% (E)
- Provides support for Configuration Management, including the identification, development, and maintenance of configuration items.
 - Participates in Configuration Management working group meetings and workshops to contribute to discussions and decisions regarding all configuration items.
 - Offers input for impact analyses and collaborates with other stakeholders to ensure the successful completion of Configuration Management goals and tasks.
 - Occasionally travels statewide to various construction sites and to represent the Authority at meetings with contractors, consultants, the public, and other stakeholders.
- 5% (M)
- Other work-related duties as required.

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Special Requirements

The checked boxes below indicate any additional requirements of this position.

License Required Yes ☒ No ☐ Type: Engineering	Conflict of Interest (COI) Yes ☒ No ☐	Bilingual Required Yes ☐ No ☒ Language:	Contract Manager Yes ☒ No ☐	Medical Required Yes ☐ No ☒
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Other Special Requirements Information:

License Required: Possession of a valid certificate of registration as a civil engineer issued by the California State Board of Registration for Professional Engineers.

Conflict of Interest: This position is designated under the Conflict-of-Interest Code. The position is responsible for making, or participating in the making, of governmental decisions that may potentially have a material effect on personal financial interests. The employee is required to complete Form 700 within 30 days of assuming employment. Failure to comply with the Conflict-of-Interest Code requirements may result in disciplinary action.

Contract Manager: Ensures that assigned contracts and agreements are administered and managed in accordance with the applicable policies and procedures of the Authority, the State Contracting Manual (SCM) and the California Government Code (GC)

Knowledge and Abilities

Knowledge of: Various phases of transportation engineering, including planning processes and methods, systems planning, evaluation of alternatives, and facility locations and design, construction, operation and maintenance; transportation economics and financing; project management concepts; factors which influence the impact of transportation facilities on the environment, the community and the economy; principles and techniques of personnel management and supervision; the Department's Equal Employment Opportunity (EEO) program objectives and the processes available to meet their objectives.

Ability to: Plan and direct the work of others; analyze situations accurately and adopt an effective course of action; make effective presentations; prepare correspondence and reports; communicate effectively; effectively contribute to the Department's EEO objectives.

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Desirable Qualifications

- Experience in structural, geotechnical, or seismic engineering directly related to civil infrastructure project work.
- Experience working on design-build projects.
- Structural and Seismic Engineering experience particularly related to transportation design and related work.
- Experience reviewing design criteria or specifications to provide input or guidance on project work.
- Understands and interpret Structural and Seismic engineering codes, technical requirements, design and construction methods.
- Knowledge of and ability to apply engineering judgment in areas of design and construction engineering on transportation projects.
- Experience project management in the development or design of transportation civil infrastructure project work.
- Strong written, oral, and presentation skills.
- Ability to work independently but with the judgement to know when to ask for assistance and guidance from a supervisor or colleague.
- Experience providing technical oversight related to State transportation projects.
- Experience with working on various phases of the transportation project and design build delivery.
- Engineering coordination experience.
- Experience with contract management.
- Experience managing contractors and consultants or being a team lead over a transportation project.
- Experience building and maintaining positive working relationships with internal and external stakeholders.

Supervision Exercised Over Others

This position will not supervise but may oversee and provide technical assistance and guidance to consultants, staff, and other state and federal employees who work on the high-speed rail project. On individual projects, the incumbent may serve in a lead capacity over other Authority and consultant staff. May function in a lead capacity or act in that role when the project lead is absent.

Public and Internal Contacts

The incumbent will have regular contact with various levels of staff at the Authority, consultants, vendors, contractors, staff at other state agencies, and the public. Employees must handle all situations and communications tactfully and respectfully to support the Authority's mission.

Responsibility for Decisions and Consequence of Error

Errors may have a significant impact on the internal and external operations of the Authority. Successful performance of the above-listed duties is essential to ensure that program delivery and project matters are resolved in an efficient and effective manner. Failure to perform these duties effectively could result in additional costs to the state to

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complete the high-speed rail project and political embarrassment for the Authority in the event of improper handling of duties on the largest infrastructure project in the nation. The incumbent should exercise a high degree of initiative and independent judgment in regularly performing the most difficult duties.

Physical and Environmental Demands

While working on-site, the incumbent works in a professional office environment, in a climate-controlled area which may fluctuate in temperature and is under artificial light. The incumbent will be required to use a computer, mouse, and keyboard, and will be required to sit for long periods of time at a computer screen. While working at a construction site, the incumbent may be exposed to hazards such as unguarded machinery, heavy construction equipment, high-voltage electricity, and hazardous materials such as paints, solvents, silica dust, or other dangerous construction materials.

Working Conditions and Requirements

- a. Schedule: This position requires a Monday through Friday 8AM to 5PM schedule, unless coordinated and approved by the supervisor and the employee.
- b. Telework: Part-time telework is available for this position for California residents based on the requirements of the position.
- c. Travel: This position occasionally travels statewide to various construction sites and to represent the Authority at meetings with contractors, consultants, the public, and other stakeholders.
- d. Other: None.

Acknowledgment and Signatures

I have read and understand the duties listed above and can perform them with/without reasonable accommodation (RA). (If you believe you may require RA, please discuss this with the hiring supervisor. If you are unsure whether you require reasonable accommodation, inform the hiring supervisor who will discuss your concerns with the RA Coordinator.)

Incumbent Printed Name:	Signature:	Date:
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I have discussed the duties with and provided a copy of this duty statement to the incumbent named above.

Supervisor Printed Name:	Signature:	Date:
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