

POSITION DUTY STATEMENT

PM-0924 (REV 01/2022)

CLASSIFICATION TITLE Senior Transportation Engineer, CT	OFFICE/BRANCH/SECTION Office of System Metrics and Automation	
WORKING TITLE Engineering Project Manager (Specialist)	POSITION NUMBER 913-350-3161-096	REVISION DATE 05/01/2024

As a valued member of the Caltrans leadership team, you make it possible for the Department to provide a safe and reliable transportation network that serves all people and respects the environment.

GENERAL STATEMENT:

Under the direction of the Office Chief of System Metrics and Automation, a Supervising Transportation Engineer (Supervisor), the incumbent, a Senior Transportation Engineer (Specialist), serves as the Engineering Project Manager (Specialist) for the Division of Traffic Operations.

The incumbent coordinates the planning, development, and implementation of key Traffic Operations led projects and programs that support a holistic, multi-modal, and proactive approach that can maximize the reliability and performance of the existing transportation system without added highway capacity. The projects and programs are complex and innovative, involve many stakeholders, and implement the latest transportation technologies and solutions that help build a foundation for the future of traffic and emergency management in California.

The incumbent applies project engineering and management techniques to ensure strategic and program goals are clearly defined and delivered within scope, schedule, and budget; develops, coordinates, and maintains extensive internal and external partnerships; and serves as the primary point of contact with all partners and stakeholders. The incumbent identifies customer needs/issues revolving around project management processes; participates in teams to develop solutions for those needs/issues; develops engineering solutions/analysis; educates customers on those solutions; and trains appropriate staff/management in the use of those solutions. The incumbent also assists in the development of improvements to project management policies and procedures for the Division of Traffic Operations.

Valid certificate of registration as a civil engineer issued by the California State Board of Registration for Professional Engineers is required.

CORE COMPETENCIES:

As a Senior Transportation Engineer, CT, the incumbent is expected to become proficient in the following competencies as described below in order to successfully perform the essential functions of the job, while adhering to and promoting the Department's Mission, Vision, Values, Strategic Imperatives and Goals. Effective development of the identified Core Competencies fosters the advancement of the following Leadership Competencies: Change Commitment, Risk Appetite, Self-Development/Growth, Conflict Management, Relationship Building, Organizational Awareness, Communication, Strategic Perspective, and Results Driven.

- **Managing Change:** Demonstrating support for organizational changes needed to improve the department's effectiveness; supporting, initiating, sponsoring and implementing change. (Safety First, Cultivate Excellence, Enhance and Connect the Multimodal Transportation Network, Strengthen Stewardship and Drive Efficiency, Lead Climate Action, Advance Equity and Livability in all Communities - Engagement, Equity, Innovation, Integrity, Pride)
- **Decision Making:** Makes critical and timely decisions. Takes charge. Supports appropriate risk. Makes challenging and appropriate decisions. (Safety First, Cultivate Excellence, Enhance and Connect the Multimodal Transportation Network, Strengthen Stewardship and Drive Efficiency, Lead Climate Action, Advance Equity and Livability in all Communities - Engagement, Equity, Innovation, Integrity, Pride)
- **Ethics and Integrity:** Demonstrated concern to be perceived as responsible, reliable, and trustworthy. Respects the confidentiality of information or concern shared by others. Honest and forthright. Conforms to accepted standards of conduct. (Safety First, Cultivate Excellence, Enhance and Connect the Multimodal Transportation Network, Strengthen Stewardship and Drive Efficiency, Lead Climate Action, Advance Equity and Livability in all Communities - Engagement, Equity, Innovation, Integrity, Pride)
- **Problem-solving and Decision-making :** Identifies problems and uses logical analysis to find information, understand causes, and evaluate and select or recommend best possible courses of action. (Safety First, Cultivate Excellence, Enhance and Connect the Multimodal Transportation Network, Strengthen Stewardship and Drive Efficiency, Lead Climate Action, Advance Equity and Livability in all Communities - Engagement, Equity, Innovation, Integrity, Pride)

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- **Teamwork and Collaboration:** Sets team structure. Organizes, leads, and facilitates team activities. Promotes team cooperation and encourages participation. Capable of cross functionality and working well with others on a team to achieve personal goals, team goals, and organizational goals. Takes responsibility for individual actions in order to achieve consistent results. (Safety First, Cultivate Excellence, Enhance and Connect the Multimodal Transportation Network, Strengthen Stewardship and Drive Efficiency, Lead Climate Action, Advance Equity and Livability in all Communities - Engagement, Equity, Innovation, Integrity, Pride)
- **Organizational Awareness:** Contributes to the organization by understanding and aligning actions with the organization's strategic plan, including the mission, vision, goals, core functions, and values. (Safety First, Cultivate Excellence, Enhance and Connect the Multimodal Transportation Network, Strengthen Stewardship and Drive Efficiency, Lead Climate Action, Advance Equity and Livability in all Communities - Engagement, Equity, Innovation, Integrity, Pride)
- **Communication:** Expresses oneself clearly in all forms of communication. Gives feedback and is receptive to feedback received. Knows that listening is essential. Keeps others in the Division and other functional units informed as appropriate. (Safety First, Cultivate Excellence, Enhance and Connect the Multimodal Transportation Network, Strengthen Stewardship and Drive Efficiency, Lead Climate Action, Advance Equity and Livability in all Communities - Engagement, Equity, Innovation, Integrity, Pride)
- **Planning and Results Oriented:** Organizes and executes work to meet organizational goals and objectives while meeting quality standards, following organizational processes, and demonstrating continuous commitment. (Safety First, Cultivate Excellence, Enhance and Connect the Multimodal Transportation Network, Strengthen Stewardship and Drive Efficiency, Lead Climate Action, Advance Equity and Livability in all Communities - Engagement, Equity, Innovation, Integrity, Pride)
- **Technical Expertise:** Depth of knowledge and skill in a technical area. (Safety First, Cultivate Excellence, Enhance and Connect the Multimodal Transportation Network, Strengthen Stewardship and Drive Efficiency, Lead Climate Action, Advance Equity and Livability in all Communities - Engagement, Equity, Innovation, Integrity, Pride)

TYPICAL DUTIES:

Percentage	Job Description
Essential (E)/Marginal (M) ¹	
40% E	Develops, manages, and oversees projects led/initiated by the HQ Division of Traffic Operations. Serves as an engineering project manager. Coordinates with customers to develop and document the actions required to initiate, plan, execute, control and close projects. Develops and executes communications plans (including policies and procedures) related to the cyclical project management processes to ensure success. Helps build consensus and manages the overall project scope, schedule, and cost. Establishes partnerships and builds relationships with key subject matter experts, consultants, external stakeholders, and executive leadership. Typical project management related duties include but not limited to: facilitating meetings with various business functions, performing value engineering, coordinating numerous concurrent project activities for multiple projects, developing technical memos and recommendations, presenting status information to management, and identifying and mitigating potential project risks. Develops and updates project specific work-plans and budgets. Ensures information represented in the plans and reports are timely, relevant, and accurate.
25% E	Implements innovative solutions and process improvements to improve program delivery efficiency and generate operational cost savings. Prepares impacted stakeholders and program areas for change through organizational change readiness best practices. Ensures project and program management processes within the Division of Traffic Operations are integrated, institutionalized, and consistent and follow guidelines set by the Federal Highway Administration (FHWA) and Caltrans policies and procedures. Develops and documents standard processes, reports, and templates to plan and control projects and engineering activities. Performs statewide training and supports workforce development to empower staff to increase likelihood projects and activities lead by the Traffic Operations team are delivered within budget and on-time.
15% E	Assists with the management of service contracts and procurements of engineering services and IT projects. Develops contract scoping, business analysis, and funding submittals and ensures compliance with procurement guidelines and policies.

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15%	E	Prepares correspondence, reports, and technical articles for project related publication and/or presentation. Assists with preparing Budget Change Request, Finance Letters, and issue papers, briefs executive management, responds to Control Agency inquiries, and reviews legislative bills. Responds to legislative requests for information and requests from other State Departments of Transportation and agencies.
5%	M	Completes a variety of special projects and assignments as needed by the Division Chief, Deputy Division Chief, and Office Chief. Performs other work commensurate with the Senior Transportation Engineer (Specialist) classification.

¹ESSENTIAL FUNCTIONS are the core duties of the position that cannot be reassigned.

MARGINAL FUNCTIONS are the minor tasks of the position that can be assigned to others.

SUPERVISION OR GUIDANCE EXERCISED OVER OTHERS

This position is a specialist and does not supervise staff. This position may serve as a subject matter expert on technical and functional matters.

KNOWLEDGE, ABILITIES, AND ANALYTICAL REQUIREMENTS

Possession of a valid certificate of registration as a civil engineer issued by the California Board of Registration for Professional Engineers is required.

Must have knowledge of the principles of traffic engineering, traffic safety, and traffic management; highway design; traffic and construction policies, procedures, standards and other factors relating to transportation facilities; organizational and engineering functions (both within and outside of Caltrans) that pertain to design, operations, maintenance, and construction of all types of transportation facilities; factors which influence the impact of transportation facilities on the environment, the community and the economy.

Must have knowledge of transportation principles and methods and the ability to apply the national best practices at Caltrans to improve capabilities and success in meeting goals. Must have an understanding of how TMS elements and traffic control devices are applied. Must have a thorough knowledge of Caltrans' organization and policies; strategic planning processes and techniques; performance measure development, implementation, and assessment; principles and practices of public administration, budgeting, personnel, planning, program management, and evaluation.

Must have knowledge of planning, programming, adaptive management, project management, and asset management. Must have knowledge and commitment to the use of quality and risk management principles in Caltrans' practices is necessary. Must have knowledge and experience in developing project scope, schedule and budget and managing projects requiring technical analysis and engineering. Understanding of systems engineering, IT project delivery, and value analysis is desired.

Requires the ability to collaborate with multi-disciplinary, technical staff; communicate effectively (both orally and in writing) with multiple audiences; establish and maintain cooperative relationships with individuals and organizations contacted in the course of work; participate in public contact and represent Caltrans; serve in a consulting capacity to other divisions and districts; and respond appropriately to difficult situations.

Must be able to apply sound judgment in problem solving; work productively in a busy and often changing environment; perform multiple tasks simultaneously; maintain a project schedule; accurately and timely follow-up on issues; and effectively interact with many levels of people in a cooperative manner. Must be decisive, take appropriate actions, and complete tasks or projects with a short notice. Requires proficiency with Microsoft (MS) Office programs (including MS Word, MS Excel, MS PowerPoint, MS Outlook, MS Teams), Adobe Acrobat, Cisco WebEx, and using the Internet.

RESPONSIBILITY FOR DECISIONS AND CONSEQUENCES OF ERROR

This position is responsible for making independent action and taking initiative to carry out assigned duties. The incumbent's decisions and actions have a direct impact on the Traffic Operations Program and the Department. Inability to carry out this position's responsibilities could result in: adversely affecting public safety and/or result in tort liability for Caltrans; increased expenses resulting from lost Transportation System productivity; litigation that could delay and/or add substantial cost to essential projects or activities; inability to quantify performance in meeting the Department's strategic goals and safety and mobility commitments; loss of credibility and public confidence in Caltrans as a responsible public agency.

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PUBLIC AND INTERNAL CONTACTS

The incumbent must maintain the highest level of professionalism and integrity, exhibit tact and diplomacy, and effectively communicate with all internal/external contacts.

Internal contacts include various Caltrans districts and divisions (including Design, Construction, Maintenance, External Affairs, and Engineering Services). External contacts include the Legislature, Governor's Office, CHP, FHWA, construction industry representatives, local agencies, other states, national experts, academia, the private sector, and the general public.

The incumbent must communicate effectively orally and in writing, by telephone, via email, and by web conferencing. The incumbent is also required to facilitate, participate in, and host meetings.

PHYSICAL, MENTAL, AND EMOTIONAL REQUIREMENTS

The incumbent must: quickly adapt behavior and work methods in response to new information/priorities and unexpected obstacles; multi-task; effectively interact with many levels of people in a cooperative manner; be decisive; take appropriate actions; and complete tasks or projects with a short notice. Must be able to maintain focus and intensity, yet remain optimistic and persistent, even under adversity. The incumbent shall act in a fair and ethical manner toward others; value cultural diversity and other individual differences in the workforce; and demonstrate a sense of responsibility and commitment to public services. The incumbent must be able to develop new insights into situations and apply innovative solutions to make organizational improvements; grasp the essence of new information and master new technical and business knowledge, particularly in the area of outreach; and facilitate and maintain a work environment that encourages creative thinking and innovation.

Must have the ability to work with a computer and have manual dexterity. Required to sit for long periods of time using a computer, monitors, phone, and other office equipment. The incumbent must be able to occasionally lift up to 25 pounds without assistance. Bending, stooping, and pulling may be required within the normal course of performing some of the responsibilities associated with this position. May be required to speak in front of large groups.

WORK ENVIRONMENT

This position's headquartered location is Sacramento, CA. While at the base of operation, the incumbent works in a climate-controlled office under natural and artificial lighting. Due to periodic issues with heating and air conditioning, building temperatures may fluctuate. Multi-floor buildings are equipped with elevators and stairs.

The incumbent may be required to travel periodically to other office buildings (federal and state offices, district offices, local agencies, etc.) and indoor/outdoor field locations. While at field locations, the incumbent may be exposed to uneven surfaces, noise, and varying climate conditions. The incumbent may be required to travel within the state and may be required to travel out-of-state for business operations. Possession of a valid driver's license is required to operate a State owned, leased, and/or personal vehicle. The environment is fast-paced, demanding, and busy; and requires considerable flexibility in managing time, priorities and assignments. Vacations may be restricted during peak times.

This position may be eligible for telework. The amount of telework is at the discretion of the Department and based on Caltrans's evolving telework policy. Caltrans supports telework, recognizing that in-person attendance may be required based on operational needs. Employees are expected to be able to report to their worksites with minimum notification if an urgent need arises. The selected candidate will be required to commute to the headquartered location as needed to meet operational needs. Business travel may be required and reimbursement considers an employee's designated headquartered location, primary residence, and may be subject to CalHR regulations or applicable bargaining unit contract provisions. All commute expenses to the headquartered location will be the responsibility of the selected candidate.

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I have read, understand and can perform the duties listed above. (If you believe you may require reasonable accommodation, please discuss this with your hiring supervisor. If you are unsure whether you require reasonable accommodation, inform the hiring supervisor who will discuss your concerns with the Reasonable Accommodation Coordinator.)

EMPLOYEE (Print)

EMPLOYEE (Signature)

DATE

I have discussed the duties with, and provided a copy of this duty statement to the employee named above.

SUPERVISOR (Print)

SUPERVISOR (Signature)

DATE