

**POSITION DUTY STATEMENT**

PM-0924 (REV 01/2022)

CLASSIFICATION TITLE Information Technology Manager I	OFFICE/BRANCH/SECTION Infrastructure Management Division	
WORKING TITLE Chief, Enterprise Data Warehouse & Dept-Wide Bus Intel	POSITION NUMBER 900-170-1405-xxx	REVISION DATE 03/21/2022

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 general direction of the Chief Technology Officer, the incumbent serves as Chief of the Enterprise Data Warehouse & Department-wide Business Intelligence Office (EDW-DBI). This Office is comprised of IT professionals in various IT classification levels ranging from an IT Associate to IT Specialist II and consultants who are responsible for standards, processes, procedures for the analysis, design, implementation, maintenance and operations of data warehousing, data management, business intelligence, data analytics, data modeling and reporting. The Chief has full management responsibility for organizing, planning, coordinating, directing and controlling all activities associated with the day-to-day operations of the EDW-DBI.

**DOMAINS:**

System Engineering  
Software Engineering

**CORE COMPETENCIES:**

As an Information Technology Manager I, 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.

- **Learning on the Fly:** Learns quickly, is open to change, experiments, and is flexible. (Strengthen Stewardship and Drive Efficiency - Innovation)
- **Decision Making:** Makes critical and timely decisions. Takes charge. Supports appropriate risk. Makes challenging and appropriate decisions. (Strengthen Stewardship and Drive Efficiency - Integrity)
- **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. (Strengthen Stewardship and Drive Efficiency - Integrity)
- **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. (Strengthen Stewardship and Drive Efficiency - Engagement)
- **Empower Others:** Convey confidence in employees' ability to be successful, sharing significant responsibility and authority; allowing employees freedom to decide how they will accomplish their goals and resolve issues. (Strengthen Stewardship and Drive Efficiency - Equity)
- **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. (Strengthen Stewardship and Drive Efficiency - Engagement)
- **Interpersonal Effectiveness :** Effectively and appropriately interacts and communicates with others to build positive, constructive, professional relationships. Tailors communication style based on the audience. Provides and is receptive to feedback. (Strengthen Stewardship and Drive Efficiency - Engagement)
- **Analytical Skills:** Approaches problems using a logical, systematic, and sequential approach. Weighs priorities and recognizes underlying issues. (Strengthen Stewardship and Drive Efficiency - Innovation)
- **Thoroughness:** Ensures that work and information is complete and accurate. Ensures that assignment goals, objectives, and completion dates are met. Documents and reports on work progress. (Strengthen Stewardship and Drive Efficiency - Engagement, Innovation)

**TYPICAL DUTIES:**

Percentage	Job Description
Essential (E)/Marginal (M) <sup>1</sup>	

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40%	E	<p><b>Management and Supervision:</b>  Manages Caltrans enterprise data warehouses, data lakes, data marts (EDW) and department-wide business intelligence (DBI). Has full management responsibility in the recruitment, training, development, and retention of staff including managers, supervisors, technical staff and consultants. Assigns, monitors and controls the workload and provides guidance to achieve desired outcomes. Evaluates staff resources and training needs; establishes and implements performance standards and expectations by ensuring section-wide application in the conduct of probationary reviews, annual Individual Development Plans, constructive intervention, corrective and disciplinary actions, and training to encourage and support personal and organizational growth. Ensures proper documentation of the processes and procedures for the Server Hosting Unit and all server operations in districts.</p>
35%	E	<p><b>Planning and Operations Management:</b>  As a member of the IMD management team, the incumbent formulates, evaluates, implements, maintains and operates Caltrans enterprise data warehouse, data lakes, data marts, data analytical tools and reporting. Directs all activities associated with Incident Management, Request for Fulfillment, Configuration Management, and Change Management. Participates and contributes to the establishment and maintenance of technology practices that govern the standards, processes and procedures for the analysis, design, implementation, maintenance and operation of the EDW-DBI. Develops and administers plans, processes, procedures, and standards. Participates in tactical and strategic planning efforts to produce the annual business plan, spending plan, training plan and IT strategic plan. Directs and coordinates proper planning for IT projects and work efforts to achieve desired objectives on scope, on time and on budget. Participates in the Agency Information Management Strategy planning. Develop Budget Change Proposals as required to obtain resources to support the Caltrans IT infrastructure.</p>
20%	E	<p><b>Leadership:</b>  The incumbent provides the leadership for the development and continuous improvement of people, processes and technology to support the EDW-DBI. Provides the leadership for the development and improvement of the personnel infrastructure including the recruitment, development and retention of qualified staff. Establishes and maintains standards, processes and procedures for the analysis, design, implementation, maintenance and operation of the Business Intelligence Office. Oversees market analyses, proof of concepts, and pilots of emerging technologies and recommends for adoption. Represents the Chief Technology Officer in internal and external meetings.</p>
5%	M	<p>Conducts analysis and writes reports related to IT trends and best practices in order to maintain operational readiness and to be continuously prepared for future technologies and operational capacity needs, utilizing inputs from staff, clients, peers and independent research in accordance with the direction of the Caltrans CIO, the department's executive management, and applicable sections of the State Administrative Manual and Statewide Information Management Manual.</p>

<sup>1</sup>ESSENTIAL 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**

The incumbent supervises IT professionals in various IT classification levels and consultants. The incumbent may also collaborate with multi-disciplinary teams drawn from IT staff in HQ and the Districts to ensure success of the IT Performance Management Programs.

**KNOWLEDGE, ABILITIES, AND ANALYTICAL REQUIREMENTS**

Knowledge of: Emerging technologies and their applications to business processes; business or systems process analysis, design, testing, and implementation techniques; techniques for assessing skills and education needs to support training, planning and development; business continuity and technology recovery principles and processes; principles and practices related to the design and implementation of information technology systems; information technology systems and data auditing; the department's security and risk management policies, requirements, and acceptable level of risk; application and implementation of information systems to meet organizational requirements; project management lifecycle including the State of California project management standards, methodologies, tools, and processes; software quality assurance and quality control principles, methods, tools, and techniques; research and information technology best practice methods and processes to identify current and emerging trends in technology and risk management processes; and state and federal privacy laws, policies, and standards. The principles of personnel management, supervision, and training; the organization's mission, policies, principles and practices; business and management principles involved in strategic planning, resource allocation, leadership technique, coordination of people and resources; principles and practices of organization, administration, personnel (recruitment, selection, training,

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compensation, benefits, labor relations, negotiation, and personnel information systems), and budget management; organizational roles and responsibilities and the ability to tailor training appropriately; principles and practices of employee supervision, development, and training; a supervisor's responsibility for promoting equal opportunity in hiring and employee development and promotion; maintaining a work environment which is free of discrimination and harassment; principles of personnel management, supervision, and training; the department's Equal Employment Opportunity objectives; and a supervisor's role in Equal Employment Opportunity and the processes available to meet equal employment objectives. A manager's responsibility for promoting equal opportunity in hiring and employee development and promotion and maintaining a work environment which is free of discrimination and harassment; the department's Equal Employment Opportunity objectives; and a manager's role in Equal Employment Opportunity and the processes available to meet equal employment objectives.

Ability to: Manage through subordinate supervisors and staff; effectively promote equal opportunity in employment and maintain a work environment that is free of discrimination and harassment; and effectively contribute to the department's Equal Employment Opportunity objectives.

**RESPONSIBILITY FOR DECISIONS AND CONSEQUENCES OF ERROR**

The incumbent is responsible for extensive knowledge of IT policy, standards, processes and procedures, and working with customers and IT colleagues to identify business problems, opportunities and solutions to advance business programs. The incumbent must exercise good judgment, analyze problems, and take appropriate action. Bad judgment and/or decisions will have a negative impact on the Department's ability to process critical decision-support information and therefore the ability to deliver its transportation mission.

**PUBLIC AND INTERNAL CONTACTS**

The incumbent will interact with IT executive leadership, staff of other State Agencies including State Control Agencies, staff from local governmental agencies and staff working in the private sector to coordinate and respond to inquiries related to Division operations. In performing the responsibilities of this position, the incumbent may have contact with other departments, governmental agencies or private companies concerning information technology and business management best practices. Must develop and maintain strong working relationships with others.

**PHYSICAL, MENTAL, AND EMOTIONAL REQUIREMENTS**

The incumbent may be required to sit for prolonged periods of time using a keyboard, monitor, mouse, and telephone. The incumbent must value cultural diversity and other individual differences in the workforce; adjust rapidly to new situations warranting attention and resolution; be open to change and new information; adapt behavior and work methods in response to new information, changing conditions, or unexpected obstacles; consider and respond appropriately to the needs, feelings, and capabilities of others; be tactful and treat others with respect. In addition, the incumbent must have the ability to multi-task, adapt quickly to changing priorities, and perform completed staff work or tasks and projects with short notice.

**WORK ENVIRONMENT**

The incumbent performs work indoors in a climate-controlled environment under artificial lighting or telework. The incumbent may be required to work for extended periods of time in a computer room that maintains an approximate temperature of 70 degrees. The incumbent may work after regular business hours and/or weekends to perform activities to support business operations and/or systems maintenance.

The incumbent must carry a cell phone and respond to calls after hours to lead multi-disciplinary IT professionals team(s) in organizing, analyzing, troubleshooting and resolving IT system problems; may travel to various Caltrans locations to provide expertise for IT operations. If the incumbent has a Class C driver's license and utilizes their personal vehicle, they may be reimbursed for travel expenses. When available, a State vehicle will be provided.

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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.)

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EMPLOYEE (Print)

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EMPLOYEE (Signature)

DATE

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

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SUPERVISOR (Print)

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SUPERVISOR (Signature)

DATE

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