



PROJECT MANAGER, CATHODIC PROTECTION

JC: 000260

PB: 9

FLSA: Exempt

BU: 95 (NR)

Created: June 2019

*Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are **not** intended to reflect all duties performed within the job.*

DEFINITION

Under general direction, manages the District's Cathodic Protection project for the Electrical Engineering department, which includes, planning, design, and monitoring for the duration of the project; reviews, designs, provides construction management and contract support, and coordinates with other departments; performs related duties as assigned.

CLASS CHARACTERISTICS

This administrator level classification manages major engineering construction or equipment acquisition projects from conceptual planning through completion throughout the District whether accomplished by contract or by District staff, and is accountable for further District goals and objectives within general policy guidelines. This classification is distinguished from the Engineering Division Manager classification in that the latter is responsible for the operations and activities of a specified engineering division

REPORTS TO:

Deputy Director, Group Manager, Engineering Manager or designee.

EXAMPLES OF DUTIES - *Duties may include, but are not limited to, the following:*

1. Manages capital program engineering design and construction projects or programs in assigned areas from conceptual design through completion; project areas may include rail car procurement and rehabilitation, stations construction and rehabilitation, automated fare collection, and transit systems and structures design and construction; develops and directs project work standards from design through final program and equipment acceptance.
2. Develops and directs the implementation of goals, objectives, policies and procedures in assigned project areas.
3. Plans, organizes, assigns, reviews and evaluates the work of assigned District and contract staff; manages and directs the work of contract consultants.
4. Designs, approves, signs and stamps Technical Contract Drawings & Contract Specifications; performs site visits for developing design, as well as during Construction phase as required; acts

as Subject Matter Expert (SME) for Cathodic Protection/Corrosion for the District; reviews, discusses, and analyzes problem and provides recommendations for various corrosion issues within the District.

5. Identifies equipment or systems needs on assigned projects; evaluates functional requirements; reviews vendor and manufacturer design and specifications on project equipment and materials; coordinates equipment procurement and testing activities; oversees equipment installation.
6. Prepares procurement package; prepares cost estimates, contract notifications, and justification of Liquidated damages; reviews drawings and specifications for various types of contracts or other procurement documents as required for hiring a consultant or contractor.
7. Reviews contract drawings and specifications from consultant for projects from Electrical as well as other departments within the District.
8. Serves as the project liaison with other divisions, departments and outside agencies; negotiates and resolves project issues.
9. Provides responsible staff assistance for higher level management staff on projects and related matters.
10. Attends and participates in professional group meetings; stays abreast of new trends and innovations in the field of engineering design and construction.

QUALIFICATIONS

Knowledge of:

- Principles and practices of engineering disciplines in assigned project area
- Principles and practices of engineering design and construction in assigned project area
- Principles and practices of project management
- Principles and practices of contract administration
- Principles and practices used in the preparation of designs, plans, specifications and cost estimates
- Principles and practices of strategic planning
- Methods and techniques of coordinating and scheduling project work
- Methods and techniques of contract negotiation
- Principles and practices of procurement
- Principles and practices of budget development and administration
- Principles of supervision, training and performance evaluation
- Current office procedures, methods and equipment including computers
- Related Federal, State and local codes, laws and regulations

Skill/Ability in:

- Managing, supervising and coordinating assigned projects
- Developing and implementing project goals, objectives and procedures
- Planning, organizing, directing, and coordinating the work of professional staff and contract consultants
- Planning, organizing, scheduling, monitoring and reviewing project work

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- Managing project design concepts and solutionsManaging and reviewing project budget analysis, calculations and cost estimates
- Preparing designs, plans, specifications and cost estimates
- Directing or conducting contract negotiations
- Conducting field inspections
- Developing and administering project budgets
- Analyzing problems, identifying alternative solutions, projecting consequences of proposed actions and implementing recommendations in support of goals
- Interpreting and explaining established policies and procedures for assigned District projects.
- Preparing clear and concise reports
- Operating office equipment including computers and supporting word processing and spreadsheet applications
- Communicating clearly and concisely, both orally and in writing
- Establishing and maintaining effective working relationships with those contacted in the course of work

MINIMUM QUALIFICATIONS

Education:

Bachelor's degree in Engineering or a related field from an accredited college or university.

Experience:

Five (5) years of full -time verifiable professional experience in electrical engineering and design or related experience.

Other Requirements:

Professional Engineer's license Project Management certification. Cathodic Protection Technologist (CP2, 3 or 4) Certification.

Substitution:

Additional professional experience as outlined above may be substituted for the education on a year-for-year basis. A college degree is preferred.

WORKING CONDITIONS

Environmental Conditions:

Office environment; exposure to computer screens; field environment; travel from site to site.

Physical Conditions:

May require maintaining physical condition necessary for walking, standing or sitting for prolonged periods of time; Must possess sufficient physical mobility to inspect construction in progress or review other projects.

BART EEO-1 Job Group: 0500 – Executives/Managers
Census Code: 0430 – Miscellaneous Managers
Safety Sensitive: No