

SENIOR ENGINEERING TECHNICIAN

DEFINITION

Under general supervision, performs a wide variety of responsible, para-professional engineering work including preparation of, plans and specifications; reviews and checks construction plans and permits inspects public works construction and development projects, issues and inspect permits, performs surveying, and does related work as required. May also provide lead direction to Engineering Technician or Inspector classifications.

EXAMPLES OF DUTIES

Under general supervision, inspects construction projects for compliance with applicable codes, plans, specifications, and City standards, reviews and recommends payments and change order requests. Prepares, reviews and checks preliminary and final engineering plans and specifications and cost estimates related to the construction of streets, storm drains, water systems, structures and other public works construction and development projects; performs detailed checking of construction and permit plans, subdivision maps and plans; performs survey work as chief of party; prepares drawings and other documents related to right-of-way acquisition and formation of assessment districts; prepares technical reports on such matters as traffic flow, street and highway deficiency, flood control requirements and related projects; provides drafting support services; directs subordinate engineering personnel; answers telephone calls and e-mail messages related to construction activities and waits on walk-in-customers. May perform full contract administration/inspection on smaller projects.

MINIMUM QUALIFICATIONS

Knowledge of: Civil engineering principles, methods and practices including strength of materials, drafting and mapping techniques, construction inspection, surveying instruments and methods, design and layout, technical report writing and the elements of effective supervision.

Ability to: Apply the fundamental principles of civil engineering theory to solving technical problems encountered in the design and construction of public works projects; prepare final specifications, cost estimates and technical reports; understand and carry

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out technical instructions; make accurate engineering computations and drawings; interact positively and cooperate with co-workers, respond politely to customers, work as a team member, function under demanding time pressure, respond in a positive manner to supervision, and attend work and perform duties on a regular and consistent basis.

Experience: Five (5) years of public works inspection experience, desirably as the public agency representative. Possession of an AA degree with course work in Civil Engineering may be substituted for two (2) years of experience. A BS from an accredited college or university with major coursework in Civil Engineering may be substituted for four (4) years of experience.

Education: Graduation from high school or equivalent.

License: Possession of a valid Class C California Driver's License.

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