

CITY OF DALY CITY  
JOB SPECIFICATION

APPROVED BY  
PERSONNEL BOARD: 02/19/2009  
CITY COUNCIL: 03/23/2009  
RES. NO.: 09-39

## **ENGINEER I**

### **DEFINITION**

Under direction, to perform beginning level civil engineering work of average difficulty in the field and office in connection with the surveying, design and construction of public works projects, and to do related work as required.

### **EXAMPLES OF DUTIES**

Assists in the drafting and preparation of designs, plans and specifications relating to the construction of streets, storm drains, water systems, sanitary sewer systems, structures, traffic control systems, and other public works projects; prepares applications for permits; supervises subordinate personnel; prepares quantity and cost estimates; performs routine land survey and construction inspection work; reduces field survey notes; makes engineering calculations; prepares inspection reports; measures construction quantities; studies flow of traffic for street design purposes; draws diagrams; prepares and interprets legal descriptions for property acquisition; answers questions presented by the general public regarding office activities and routine engineering matters.

### **MINIMUM QUALIFICATIONS**

**Knowledge of:** Modern civil engineering theory and methods, to include nomenclature and instruments used in engineering office and field work; structural design and layout, basic principles of physics, chemistry, advance mathematics as applied to practical civil engineering work; computer-aided drafting and design; and computer software for spreadsheets and word processing.

**Ability to:** Learn all aspects of municipal and state laws which pertain to local contracts and plan specifications; learn modern construction methods; write concise technical reports; use drafting, computer aided drafting and surveying instruments; supervise field and office personnel; prepare, read, and interpret survey notes, engineering specifications, construction plans, and legal property descriptions; make difficult engineering computations; understand and carry out technical instructions; 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.

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**Education:** Graduation from a college or university with a Bachelor's Degree in Civil Engineering, or equivalent or possession of an Engineer-in-Training Certificate from the Board of Professional Engineers and Land Surveyors.

**Experience:** None required.

**License or Certificate:** Valid Class C California Driver's License

R: 02/09