

Summary of Duties : Directs the Engineering or Construction Management Division in the engineering planning, design, survey, construction inspection, contract administration, and materials testing activities relating to marine terminal and other facilities which may be constructed and maintained by the Los Angeles Harbor Department; and does related work.

Distinguishing Features : A Chief Harbor Engineer is distinguished from other engineering employees of the Harbor Department in that the former's assignments and responsibilities are broader in scope. The work includes difficult technical engineering problems demanding a high order of professional engineering ability; public relations responsibility in dealing with lessees, contractors, and government officials; a heavy administrative responsibility which includes comprehensive advance planning, budgeting, and coordination; and the direction through subordinate supervisors of the work of a large number of professional and other classes of employees in a variety of locations.

A Chief Harbor Engineer is the administrative and technical head of the Harbor Department Engineering or Construction Management Division, and is subject only to general to administrative direction.

Example of Duties : Directs, supervises, and reviews the development, design, and construction of marine terminal facilities, including piers, wharves, warehouses, streets, bridges, rail lines, and channels; directs, through subordinate supervisors, general harbor development including channel dredging and landfill operations and harbor hydraulic and analetic modeling; makes recommendations on the award of design and construction contracts; reviews daily construction reports to insure completion of work on schedule; confers with engineers, lessees, contractors, and government officials concerning construction projects and other activities;

Directs through subordinates the preparation of engineering designs, estimates, plans, lease maps, and property descriptions; directs the issuance of permits for changes in leased property; or directs the activities of inspection, survey, and contract administration;

Reviews and analyzes budget requests from unit heads for conformance to the overall needs and program of the Department; makes recommendations concerning personnel and material needs for inclusion in the Department budget; directs special studies and investigations; analyzes data and makes recommendations to serve as a basis for management decisions in major areas of general harbor development; acts as a representative of the Department in various relationships with other governmental units, private companies, and the general public; and may occasionally be assigned to other duties for training purposes or to meet technological changes or emergencies.

Qualifications: A good knowledge of civil engineering, as applied to the design, construction and operation of a large harbor and marine terminal facility including channel dredging and landfill operation; a good knowledge of construction materials and practices; a good knowledge of the sources of engineering information including harbor hydraulic and analetic modeling; a good knowledge of the preparation of designs, plans, specifications and estimates for harbor and marine terminal facilities; a good knowledge of engineering economics, particularly as related to harbor and marine terminal facilities; a good knowledge of the organization, and budgeting problems encountered in large-scale engineering, design, and construction works; a good knowledge of Federal, State and City laws and regulations concerning the design, construction and operating functions of the Harbor Department Engineering Division; a good knowledge of safety principles and practices; a working knowledge of electrical and mechanical engineering and architectural design as related to the construction and operating activities of a large harbor and marine terminal facility and to the design of such facilities; a working knowledge of the laws and regulations related to equal employment opportunity and affirmative action; a general knowledge of the legal requirements of contracts, leases and permits as related to department activities; a general knowledge of City personnel rules, policies and procedures; and a general knowledge of memoranda of understanding as they apply to subordinate personnel; and the ability to independently handle engineering and administrative matters of considerable complexity; the ability to evaluate alternate technical proposals in relation to soundness of engineering features and judgement, economic feasibility, and conformance to Department policies and accepted practices; the ability to represent the Department in conferences, meeting and hearings; the ability to plan, lay out, coordinate, and direct through subordinate supervisors the work of one or more groups of engineering employees, and to coordinate their work with the overall capital development program of the Department; the ability to develop work programs and organization procedures; and the ability to deal tactfully and effectively with government and outside company officials, employees, and the public.

Two years of professional engineering experience as a Harbor Engineer or as the head or assistant head of engineering functions for a major port, or at an equivalent level as project manager directing large scale port or marine terminal engineering projects for a consultant is required.

License: A valid California driver's license is required.

Registration: Registration as a Professional Engineer with the California State Board of Registration for Professional Engineers or a valid Certificate of Registration as an Architect issued by the California State Board of Architectural Examiners is required.

Appointments to positions in this class are subject to a one-year probationary period as provided by Section 109 of the Los Angeles City

Charter.

Physical Requirements: Strength to perform average lifting of less than 5 pounds and occasionally over 15 pounds; good speaking and hearing ability; and good eyesight.

Persons with medical limitations may, with reasonable accommodations, be capable of performing the duties of some of the positions in this class. Such determination must be made on an individual basis in light of the person's limitations, the requirements of the position, and the appointing authority's ability to effect reasonable accommodations to the limitations.

As provided in Civil Service Commission Rule 2.5 and Section 4.55 of the Administrative Code, this specification is descriptive, explanatory and not restrictive. It is not intended to declare what the duties and responsibilities of any position shall be.