

**The City of Long Beach seeks qualified and motivated individuals to apply for the position of Civil Engineer. This employment opportunity includes a variety of exciting roles in several departments, such as Airport, Development Services, Harbor (Port of Long Beach), Public Works and Utilities. Below, you will find information regarding the Civil Engineer Position for each department.**

### **Airport Department**

Engineering staff at Long Beach Airport are responsible for the management and administration of the Airport Capital Improvement Program (ACIP). This involves preliminary planning, financing, funding applications, preparation of design plans, specifications, cost estimates, construction management, and project closeout. Projects within the ACIP fall into 4 primary categories: 1) Airfield, 2) Terminal, 3) Landside, and 4) Security & Special Systems. Within each category, Airport Engineering Staff manage multiple, concurrent capital improvements and major and minor maintenance projects. Airport Engineering staff are also responsible for conceptual reviews of Airport tenant leasehold development and off-Airport planning and airspace reviews, coordinating with the City's Department of Development Services.

### **Community Development - Building and Safety Bureau**

Under general direction, performs professional engineering work in reviewing and approving the regular to moderate design of buildings and structures; examines the architectural, structural, civil, grading and other relevant construction documents, plans and specifications for compliance with applicable laws and ordinances related to building regulations; produces correction lists, grants approvals, prepares correspondences, maintain records, computes fees, approves changes, and coordinates with other agencies or departments involved in the development and permitting process; consults with or advises design professionals (i.e., engineers and architects), owners (i.e., property and business), and builders (i.e., developers and contractors) regarding their construction projects and related construction codes or regulations; communicates findings and recommendations both orally and in writing to assist professional and lay persons navigate the City's development and permitting process; assists with resolving issues that may arise; assists nontechnical and technical staff and other City personnel with the construction codes or regulations; determines that construction documents are of sufficient clarity to indicate the location, nature and extent of the work proposed for plan submission; makes special studies and prepares reports; and performs other related duties as required.

## **Harbor Department**

The engineering staff of the Harbor Department are responsible for planning, designing, constructing, and maintaining the Port's infrastructure and assets. Under general supervision of a Senior level Engineer, the Civil Engineer performs professional work involving the planning, design, cost estimating, specifications development, and scheduling of projects related to the maintenance and construction of streets, traffic signals, railroads, utilities, terminals, buildings, bridges, and other critical facilities. This role is essential to delivering the Port's Capital Improvement Program, with a focus on infrastructure such as wharves, rail systems, traffic signal and traffic control, shore-to-ship power, terminal development, electrical systems, pavement, bridges, dredging, and public works projects. The Civil Engineer leads the development of these projects with an emphasis on sustainability, innovation, and resiliency, ensuring that designs meet high standards of quality, efficiency, and regulatory compliance.

## **Public Works Department**

The City of Long Beach Public Works Department provides comprehensive public services to meet the changing needs of our city's infrastructure. Staff are dedicated to ensuring the functionality, safety, quality, cleanliness, and accessibility of the City's infrastructure and public right-of-way. Our department is responsible for maintaining public facilities, transportation systems, bridges, stormwater facilities, city landscaping and trees, and lighting and traffic signals. Staff are critical in supporting private development and building projects by providing conditions and guidelines through right-of-way permitting.

The Civil Engineer delivers projects and programs that span a diverse array of municipal assets, including parks, public buildings, pump stations, transportation and mobility (complete streets, roadways, bikeways, and trails, ADA / pedestrian paths of travel, transit), stormwater, bridges, utility undergrounding, lighting and traffic signals, marine and tideland areas, as well as other facilities. Staff perform engineering analysis and design while developing plans, specifications, and estimates. They also manage scope, budgets, schedules, resources, and risks through planning, design, and construction phases. The Civil Engineer may administer construction and consultant contracts, draft letters and memoranda.

The Department oversees the pavement management program, which involves strategic planning, budgeting, funding, prioritizing, designing, constructing, monitoring, evaluating, maintaining, and rehabilitating pavement throughout the City's roadway network to maximize benefits with the available funds.

The Civil Engineer manages studies and coordinates efforts in alignment with National Pollutant Discharge Elimination System (NPDES) requirements related to private development and public works projects. Staff ensure compliance with applicable regulatory requirements associated with the City's Municipal Separate Storm Sewer System (MS4) NPDES Program, perform field visits for construction inspections and illicit connections or discharges, and educate City departments on stormwater environmental compliance issues. The department also performs traffic engineering work, including channelization, signal and

Intelligent Transportation Systems (ITS) design, operation, and maintenance. Staff conduct studies, investigate, and respond to public concerns regarding traffic flow, safety, signal operations, neighborhood traffic calming, control, and other related needs. While promoting active transportation and public education, staff develop solutions and construct safe bicycling and walking facilities through a Vision Zero approach, striving to maintain our status as one of America's most bike-friendly cities.

### **Utilities Department**

Responsible for managing and administering the Capital Improvement Program (GIP) and Development-related projects and tasks. This involves performing civil engineering designs and calculations for water and sewer related projects; develops and manages project budgets, schedules and work orders; develops project management plans; supervises the production and review of engineering plans, specifications and cost estimates; procures, selects and manages professional engineering services contracts; manages the bidding process; manages services during construction; coordinates and interacts with Contractors, Developers and members of the public.