CITY OF BRIDGEPORT, CONNECTICUT

The City of Bridgeport, CT is now accepting resumes for the position of

CIVIL ENGINEER I - TRAFFIC ENGINEER

Salary: $63,736 – This position includes a comprehensive benefits package including a Retirement Pension administered by MERS (Municipal Employees Retirement System).

To Apply: Please mail or deliver a resume, a cover letter and copies of required degree(s), to the Civil Service Commission office, 45 Lyon Terrace, Bridgeport, CT 06604.

Resumes must be submitted or postmarked no later than Friday, February 22, 2013

I. CIVIL ENGINEER'S Responsibilities Include:

Duties:
Professional civil engineering work of ordinary difficulty and responsibility in the area of field location work in connection with the design, layout and construction of sewer systems, streets, curbs, sidewalks, tasks involving traffic engineering, and related work as required, performed under technical direction.

Tasks or Assignments:
Supervises the work of a field party; makes surveys and profiles, and compute centerlines and grades for the construction, extension, or improvement of sanitary and storm sewers, streets, sidewalks and curbs; makes plan details of more than ordinary difficulty; inspects materials and work on a variety of street or sewer construction projects; performs office computations from field notes, may confer with and advise private surveyors and contractors with respect to locations, boundaries and the like; keeps engineering records, prepares reports, prepares partial and final estimates for payments to contractors; and performs traffic engineering studies under direct supervision.

Minimum Qualification Requires:
As to education, training and experience:

- Graduation from an accredited college or university with a bachelor's degree in civil engineering.
- One year of practical professional engineering experience.
- Any equivalent combination of education, training and experience.

As to special knowledge, ability and skill:

- Extensive knowledge of the principles and practices of civil engineering;
- Ability to make field surveys and to train sub-professional engineering workers in the use of surveying instruments and equipment;
- Ability to read and interpret plans and specifications.
- Ability to supervise or inspect contract construction work;
- Ability to make plans, drawings and technical engineering computation;
- Skill in the use of field survey instruments; and
- Knowledge in traffic, traffic control systems and transportation engineering.

II. TRAFFIC ENGINEER'S Responsibilities Include:

- Ongoing procurement of multi-million dollar federal grant funds to modernize the antiquated traffic signals, assemble an adaptable/expandable state-of-the-art traffic operation center, construct the fiber optic network for employing innovative approaches to a communication system, and building a CCTV system from ground up. Replacement of incandescent traffic lamps with energy efficient Light Emitting Diode technology.

- Develop project scope and RFP/RFQ, cost estimates and budget preparation, obtain funding, administer and manage traffic signal/Intelligent Transportation System (ITS) and roadway improvement projects.

- Traffic signal system and CCTV (ITS elements) – Responsible for the following in adhering to Federal Law 23 CFR:

    - Monitoring system hardware for failure and report all malfunctions to the Maintenance Department simultaneously.
    - Monitoring system software for malfunctions and communicates with the software manufacturer as necessary.
    - Monitoring system detectors for measurements of effectiveness.
    - Fine tune system timing plan to meet traffic demands.
    - Change timing plans according to special events.
    - Up-load and download database changes to field equipment.
    - Expand system components as needed.
    - Conduct traffic analysis of system performance on a continuous basis.
    - Respond to emergency traffic incidents accordingly.

- Develop traffic signal standards and guidelines based on the latest technologies.

- Direct supervision of traffic staff and all aspects of traffic engineering functions including, but not limited to, traffic control signal system and timing updates, signs and pavement markings, on-street parking, and on-street handicapped parking program.

- Perform traffic surveillance, trouble-shoot traffic signal hardware and software, assist Department of Public Facilities maintenance crew with maintenance and repairs.

- Develop engineering plans, detailed specifications and estimates, review shop drawings/catalog cuts, conduct field and system integration inspections as well as electrical and fiber optic acceptance testing.

- Direct involvement with the Greater Bridgeport Metropolitan Organization and Regional Planning Agency in developing City's Transportation Improvement Program.

- Work with professionals, consultants, contractors and suppliers.

- Correspond and meet with various City Departments, Commissions, Boards and citizen groups.

- Serve on various technical committees.

- Prepare and review traffic impact analyses and site plans for Planning & Zoning Commission and Zoning Board of Appeals.

- Perform traffic, parking and traffic calming studies in response to citizen complaints and requests.

- Maintain a Traffic Signal Inventory Database.

- Develop policies and procedures.

- Serve as a Liaison to the Connecticut Department of Transportation on I-95 Rehabilitation and various other state projects.

- Serve as Local Traffic Authority representative to the State Traffic Commission.

- Hold workshops, including traffic control system and work zone safety for Department of Public Facilities staff.

For further information and contact:
CIVIL SERVICE COMMISSION
45 LYON TERRACE
BRIDGEPORT, CT 06604
TELEPHONE: 203-576-7103

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