

SENIOR CIVIL ENGINEER

OPEN: 7/20/2021

PLEASE APPLY ON THE CITY OF BOSTON CAREER CENTER SITE

This is a provisional appointment.

Brief Job Description (essential functions of the job):

Under direction in the Engineering Section, the Sr. Civil Engineer is responsible for performing accurate mathematical calculations for various design improvements.

- Interprets reports submitted for site conditions and pavement analysis.
- Prepares or supervises the preparation of concise, accurate engineering estimates for projects reviewed, constructed, or advertised by the Department.
- Keeps continuously updated cost information (average bids) related to construction of streets, sidewalks, ramps, conduit systems (electrical and traffic) and bridge repairs (wood and steel).
- Assembles documents for advertisements of public bids.
- Familiar with processing prevailing wage scale request, Chapter 90 funding procedures and eligible projects, working knowledge of contract boilerplate and forms.
- Reviews plans from Public Works Department (PWD) or other City Departments or outside engineering firms as to compliance with City standards and meet construction standards.
- Designs and reviews ramps.
- Performs related duties as required.

Required to work any emergency as directed by the Chief of Streets or designee.

Minimum Entrance Qualifications:

- Applicants must have at least four (4) years of full-time, or equivalent part-time, technical or professional experience in Civil Engineering work.
- A Bachelor's Degree in Engineering is strongly preferred.
- Extensive knowledge of design engineering principles, standards and practices applicable to the layout, detail design, and specifications required for the construction and maintenance of roads and bridges in the City of Boston.
- Knowledge of methods and materials used in City of Boston Construction Standards and the ability to review and comment on new products that are developed; knowledge in development of specifications in the desired format for advertised contracts; familiarity with City of Boston Standard Specification, Boston Water and Sewer Commission Standards, and Massachusetts Highway Department Specification.
- Ability to interpret reports; ability to design and review ramps.
- Ability to exercise good judgment and focus on detail as required by the job.
- Must have and maintain a current Massachusetts driver's license.

Boston Residency Required

Terms:

Union/Salary Plan/Grade: AFSCME/RA-19A

Hours per week: 35

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