



Eileen Donoghue  
City Manager

October 8, 2020

Mayor John J. Leahy  
and  
Members of the City Council

Re: Board of Appeals-Appointment Thereto

Dear Mr. Mayor and Members of the City Council:

In order to fill the vacancy of the alternate member on the Board of Appeals, pursuant to the authority specified under Mass. Gen. Laws, Chap. 40A, §12 and the Code of the City of Lowell Article II §9-3, it is with pleasure that I am appointing Robert Njoroge of 220 Smith Street, Unit 1, Lowell, MA 01851 to a term expiring October 13, 2025, or such time thereafter until his successor is appointed and qualified.

Confirmation by the City Council is required for this appointment and is hereby requested.

I would be happy to answer any inquiry you may have concerning this appointment. I have attached his resume for your review.

Very truly yours,

Eileen M. Donoghue  
City Manager

cc: City Clerk  
City Auditor  
Zoning Board of Appeals  
Human Relations  
MIS

# Robert G. Njoroge PE

Structural Engineer

June 2020

Lowell, MA 01851

## PROFESSIONAL PROFILE

Robert Njoroge has over 15 of structural engineering experience in the field of structural engineering. working on building and public infrastructure projects for Federal, State, Municipal, Industrial, and Commercial clients. His project work involves design, condition assessments, renovations, building code and compliance reviews. His experience includes the design of steel, concrete, masonry, and wood structures for buildings, commercial, institutional, industrial and water/wastewater treatment facilities. On all projects, Robert is responsible for adherence to scheduled delivery and completion milestones for the structural team. He is currently a Technical Manager responsible for reviewing drawings, calculations, specifications, and analytical models for a team of eleven structural engineers nationwide. He is a licensed Professional Engineer in 2 states.

## EDUCATION

MS, Civil (Structural Engineering), University of Massachusetts, Lowell, Massachusetts, 2005

## REGISTRATIONS

Professional Engineer - MA  
Professional Engineer - RI

## MEMBERSHIPS

National Council of Examiners for Engineering and Surveying

## RELATED EXPERIENCE

### Parks & Recreation

Gateway Cities Parks, Various Locations, Massachusetts

Structural Engineer for structural support services for Landscaping design of the proposed five-acre park that connects city to the Nashua River riverfront. The project features included walking pathways, a community garden, amphitheater, play areas, off street parking, scenic overlooks, and picnic facilities.

### Mill River Middle Corridor, Stamford, Connecticut

Structural Engineer for structural support services for Landscaping design of the proposed improvements to 10 acres of the Mill River waterfront park in Stamford, CT. The project features included pedestrian sidewalks, playgrounds, bench seating, plaza paving, parapet walls, pathway lighting, restrooms and boardwalk overlooks.

### Water & Wastewater

Technical Assistance Services, Deer Island Treatment Plant, Boston, Massachusetts

Provided structural engineering support on a number of task order assignments including: digester tank and treatment facilities existing conditions evaluations at the Clinton WWTP, construction phase services and submittals reviews for DSL and flushing pump replacements, and design of tunnel interconnection for Heat Loop 3.

### Groton Utilities Water Filtration Plant, Connecticut

Structural engineering for major renovations of existing water filtration plant.

North Dorchester Bay Pumping Station, South Boston, Massachusetts

Structural design of pump station sub-structure and slurry wall support of excavation.

### Manchaug Water Treatment Plant, Massachusetts

Engineer for design, bid and contract phases of structural analysis, design drawings, specifications and contract documents for reinforced concrete, and masonry structures.

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## Treatment Plant Projects for Pennichuck Water Works and MWRA

*Engineer for checking of contractor submittals, including structural shop drawings and calculations for reinforced concrete, structural steel, masonry, and wood structures.*

## Gloucester Water Treatment Plant, Gloucester, Massachusetts

*Resident Engineer for improvements and upgrades to plant concrete, masonry, and steel structures.*

## Deep River Water Treatment Plant for Norwich Public Utilities, Norwich, Connecticut

*Structural engineering for design of chlorination system plant facility. Structural analysis, design drawings, specifications and contract documents for reinforced concrete, and masonry structures.*

## Route 12 & 56, Pump Station Wet Well Rehabilitation, Town of Oxford, Massachusetts

*Engineer for structural condition assessments and subsequent production of repair proposals and cost estimates leading to production of repair designs, contract documents for Pump Station, Wet Well Rehabilitation.*

## Upgrades to Wastewater Treatment Facility, and Remote Pump Stations, Town of Fairhaven, Massachusetts.

*Structural engineering for major renovations of existing wastewater treatment plant and pump stations.*

## Franklin Farms Water Processing Facility – Cumberland RI

*Structural engineering for a 1200 square feet single story building with a sunken chemical containment level that will house water treatment equipment and an electrical room*

## O'Fallon Wells 3 & 4 Water Treatment Upgrades – O'Fallon MO

*Structural & Architectural Engineer for design of \$5.6 million plant improvements which includes two 1,500 square feet well distribution buildings*

## Howard Street Pump Station, Braintree, MA –

*Wastewater Pump Station Upgrades & Renovations. Lead structural engineer and architect for design of upgrades to an existing wastewater pumping station and wet well*

**Town of Billerica, MA - Water Treatment Plant Ozone System Replacement and Upgrades.** Lead Structural & Architectural Engineer for design work at the water treatment plant including relocation and replacement of existing ozone system to include new upgrades to the influent lift station to increase capacity

## Military Infrastructure

### Naval and Marine Reserve Center, Pennsylvania

*Engineer for design, bid and contract phases of structural analysis, design drawings, specifications and contract documents for reinforced concrete, structural steel, masonry, and wood structures.*

### Naval Shipyard - M-140 Steel Tower, Portsmouth, New Hampshire

*Engineer for design, bid and contract phases of structural analysis, design drawings, specifications and contract documents for reinforced concrete, structural steel, masonry, and wood structures.*

### Naval Shipyard - Building 174, Portsmouth, New Hampshire

*Engineer for design, bid and contract phases of structural analysis, design drawings, specifications and contract documents for reinforced concrete, structural steel, masonry, and wood structures.*

### Naval Shipyard – Dry Docks & Industrial Facilities, Portsmouth, New Hampshire

*Design of structural steel and reinforced concrete support structures and tunnels for Dry-Dock Utility systems.*

### Renovation of Bldg. 45, US Soldier Systems, Natick, Massachusetts

*For Army Corps of Engineers on-call contact, structural designs for installation of MEP equipment.*

## Parking

### Mineola Parking Garage, New Jersey

*Project Engineer for Checking of contractor submittals, that is, structural shop drawings and calculations for reinforced concrete, structural steel, masonry and wood structures.*

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## Logan Airport Terminal B and Central Parking Garage Renovations & Improvements

*Engineer for structural condition assessments and subsequent production of repair proposals and cost estimates leading to production of repair designs, contract documents and construction administration for parking garage facilities.*

## Community Health Center Parking Garage, Bridgeport, Connecticut

*Engineer for structural condition assessments and subsequent production of repair proposals and cost estimates leading to production of repair designs, contract documents and construction administration for parking garage facilities.*

## 150 Federal Street Parking Garage, Boston, Massachusetts

*Engineer for structural condition assessments and subsequent production of repair proposals and cost estimates leading to production of repair designs, contract documents and construction administration for parking garage facilities.*

## Workplace/Office

### Equity Office Properties, Various Locations, Massachusetts, Connecticut, New York and Illinois (Structural Engineer)

*Structural Engineer for on-call contract that serviced 70 office buildings throughout the Northeast and Chicago. Assignments included tenant fit outs, MEP renovations, architectural and structural repairs, OSHA compliance inspections, computer room design, and energy studies.*

### Oxford Properties, Boston, MA

*Structural (competent person) OSHA compliance inspections for Roof Safety for 5 office buildings in Boston.*

## Healthcare

### Bedford Veterans Administration Hospital, Massachusetts

*Engineer for design, bid and contract phases of structural analysis, design drawings, specifications and contract documents for reinforced concrete, structural steel, masonry, and wood structures.*

### Cryogenics Repository Building- Jamaica Plain Veterans Administration Hospital, Massachusetts

*Engineer for design, bid and contract phases of structural analysis, design drawings, specifications and contract documents for reinforced concrete, structural steel, masonry, and wood structures.*

### Holy Name Hospital, New Jersey

*Engineer for design, structural analysis, design drawings, for cold formed steel framing.*

## Hotels & Resorts

### Wequasset Inn, Massachusetts

*Engineer for design, bid and contract phases of structural analysis, design drawings, specifications and contract documents for reinforced concrete, structural steel, masonry, and wood structures.*

## Airports & Aviation

### Aircraft Hangars, Westchester County, New York

*Engineer for structural assessments and improvements for Three Aircraft hangar roof structures.*

### Maintenance Garage, Lawrence Municipal Airport, Massachusetts

*Engineer for structural assessments and improvements for maintenance garage roof structures.*

## Industrial

### Schnitzer Steel Industries, Everett MA

*Structural engineer for design of foundations for a 23,000 square foot Pre-engineered metal building used as a metals processing facility*

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**Transportation**

Interchange 44 Administration Building, Maine

Turnpike Authority, Scarborough, Maine

*Structural analysis, design drawings, specifications and contract documents for reinforced concrete and structural steel for Administration Building.*

**Institutional**

University of Massachusetts, Amherst

Hasbrouck Laboratory Utilities Corridor Upgrades

*Engineer for structural condition assessments and subsequent production of repair proposals and cost estimates leading to production of repair designs, contract documents and for utility tunnel facilities.*

University of Massachusetts, Lowell

Hasbrouck Laboratory Utilities Corridor Upgrades

*Structural Engineer for on-call contracts for Tunnel repairs at Southwick Hall. Structural Engineer for Compactor support system and plant room renovations at North Campus.*