



Mayor of Providence

Jorge O. Elorza

February 23, 2015

Honorable Members  
Providence City Council  
City Hall

Dear Honorable Members:

Pursuant to Sections 302(b) and 1009 of the Providence Home Rule Charter of 1980, I am this day appointing James McLoughlin of 150 Dexterdale Road Providence, RI 02906, as a member of the Providence Public Building Authority for a term ending on January 31, 2020, and respectfully submits the same for your approval. Mr. McLoughlin fills a vacant position on the Board.

Sincerely,

A handwritten signature in black ink, appearing to be "J. Elorza".

Jorge O. Elorza  
Mayor

IN CITY COUNCIL  
APR 02 2015

READ  
WHEREUPON IT IS ORDERED THAT  
THE SAME BE RECEIVED AND APPROVED  
 CLERK

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# James McLoughlin, P.E., LEED

*Civil / Structural Engineer*

Cell (202) 361-1158  
Home (401) 441-5630  
jpmc@engineer.com

## *Profile*

Mr. McLoughlin has more than 16 years of professional experience in Civil, Structural, Geotechnical and Forensic Engineering.

## *Objective*

Structural Engineering position with a combination of field investigation, design and construction management

## *Skills*

### **Structural Engineering**

Experience includes more than 6 years of architectural and building design, condition assessments and engineering investigations. Buildings evaluated range from large commercial complexes, religious and academic buildings, to residential. Experience includes steel, concrete, timber and masonry design and inspection experience. Mr. McLoughlin also has more than 10 years of construction management and field inspection experience.

### **Forensic Engineering**

Conducted forensic structural investigations for residential, commercial, academic, and bridge structures. Performed in depth investigations and inspection to determine failure analysis, extent of damage and causation for large insurance claims. Made recommendations for repair and reviewed construction documents for appropriateness of design and cost.

Delivered testimony as an expert witness, provided depositions and litigation support in legal cases relating to catastrophic weather events and construction defects.

### **Geotechnical Engineering**

Experience includes 4 years of Geotechnical investigations with responsibility for a wide range of Geotechnical engineering projects such as subsurface investigations, laboratory testing, slope stability analysis, retaining wall design, writing of geotechnical reports, and construction inspection. Additional responsibilities of scheduling and managing construction inspections and field technicians.

### **Civil Site Engineering**

Experience includes 2 years of site development, including hydrological analysis, grading, site plan design, and transportation and pavement Construction administration and permitting of civil site projects experience as well.

## **Project Management**

Responsible for coordination of personnel and organization for various engineering projects. Responsible for development of scope of project, management of personnel, scheduling, achieving deadlines and final billing of completed projects.

Management of projects ranging from \$10,000 to \$100,000 in time and expenses billed.

## **Business Development**

Experience includes developing rapport with new contacts and maintaining existing relationships to generate new business.

## *Experience*

### **Building Enclosure Science**

2014-current

Providence, Rhode Island

Senior Structural Engineer

- Responsible for forensic investigations of buildings and building envelope design and repair.
- Forensic structural investigations for construction errors in structural and civil systems

### **Halliwell Engineering Associates**

2009-2014

East Providence, Rhode Island

Senior Civil / Structural Forensic Engineer

- Responsible for forensic investigations of building, building envelope, retaining structures, marine structures and bridges for causation and recommended repair.
- Forensic structural investigations for residential and commercial structures damaged by weather related catastrophes (hurricanes, tornados and other high wind events, snow loading, and floods) on behalf of insurance carriers to determine proximate causation.
- Forensic structural investigations for construction errors in reinforced slopes, geotechnical investigations, sinkholes and bridge construction.

### **Odeh Engineers**

2007-2008

Providence, RI

Project Structural Engineer

- Responsible for design of structures utilizing all forms of construction (steel, concrete, wood)
- Experience with engineering design software, including RAM, Enercalc, STAAD, RISA.
- Drafting for structural drawings using Revit Structure software.
- Responsibility of projects through construction, including shop drawing review, contractor RFI's and site visits.

**Keast & Hood Co.**

2005- 2007

Washington, DC

Project Structural Engineer

- Responsible for design of structures utilizing all forms of construction (steel, concrete, wood), as well as renovations to existing buildings.
- Condition assessments and writing of assessment reports.
- Experience with engineering design software, including RAM, Enercalc, STAAD.
- Drafting of structural drawings using AutoCAD.
- Responsibility of projects through construction, including shop drawing review, contractor RFI's and site visits.

**Burgess & Niple, Inc Consulting Engineers**

2002 – 2005

Chantilly, VA

Structural Engineer / Structural Inspector

- Condition assessments and writing of assessment reports.
- Responsible for design of various bridge and structural projects including experience with concrete, steel, asphalt and masonry design.
- Drafting using both AutoCAD and Microstation software
- Experience using various structural and finite element software including: ANSYS, Retainpro, Enercalc, RISA
- Large scale, bridge and structural inspections throughout the U.S.

Geotechnical Engineer

1999 – 2004

- Responsible for a wide range of geotechnical engineering projects including subsurface investigations, laboratory testing, slope stability analysis, retaining wall design, writing of geotechnical reports and construction inspection.
- Responsible for scheduling and management of construction inspections and field technicians. Radiation safety officer for mid-Atlantic offices.

**The Plan Source Inc.**

1997- 1999

Manassas, VA

Project Engineer

- Responsible for engineering tasks involved in designing and permitting of commercial land development projects, including site plan designs, road and pavement designs.
- Responsible for construction administration and coordination with client to ensure construction complied with approved plans.
- Responsible for coordination and negotiations with permitting authorities to obtain plan approval and construction permits.

**Education****Iowa State University**

1993-1997

BS, Civil Engineering

**University of Virginia**

2001-2004

M Eng., Structural Engineering

**Rhode Island School of Design**

2008-20011

Post Graduate Certificate – Historic Preservation

### *Registrations*

LEED AP Accredited Professional  
Certified Confined Space Access  
National Council of Examiners For Engineering and Surveying (NCEES)  
record

### *Registered Professional Engineer:*

Alabama	District of Columbia	Connecticut
Colorado	Louisiana	Massachusetts
Maryland	Mississippi	Missouri
New Hampshire	New Jersey	New York
North Carolina	Oregon	Pennsylvania
Rhode Island	South Carolina	Texas
Vermont	Virginia	

### *Professional Activities*

**Association for Preservation Technology (ATP)** 2006-Present  
DC and Northeast Chapters

**American Society of Professional Engineers** 2008-Present

**Rhode Island Preservation Society** 2008-Present

**American Society of Testing and Materials (ASTM)** Present

### *Additional Professional Skills*

- Certified Confined Space training
- Trained in bridge and steel inspection using rock climbing techniques
- Drafting experience with AutoCAD, Microstation and Revit Structure modeling software, and Sketchup.
- Experience Ram steel STAAD, RISA structural software
- Proficiency with Excel, Microsoft word, Microsoft PowerPoint