



## PERSONNEL QUALIFICATIONS

### Deion Peele | Associate II



#### EDUCATION

- North Carolina Agricultural and Technical State University
  - Bachelor of Science, Architectural Engineering, 2017
- George Mason University
  - Master of Science, Civil and Infrastructure Engineering, Structural Engineering focus, 2023

#### PRACTICE AREAS

- Repair and Rehabilitation
- Facade Assessment
- Concrete Structures
- Wood Structures
- Structural Analysis

#### REGISTRATIONS

- Engineer-in-Training in VA

#### PROFESSIONAL AFFILIATIONS

- Structural Engineers Association

#### CONTACT

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#### EXPERIENCE

Deion Peele specializes in structural systems for buildings and infrastructure. He has experience with post-tensioned and conventionally reinforced concrete, wood-framed structures, structural steel, and masonry wall systems.

Prior to joining WJE, Mr. Peele gained four years of experience at a structural engineering consulting firm in Reston, Virginia. During his tenure, he coordinated a variety of structural repair projects from on-site investigation through the development of drawings and specifications and construction period services.

#### REPRESENTATIVE PROJECTS

##### Repair and Rehabilitation

- Rubble Stone Wall - Knoxville, MD: Technical support for repair and reconstruction of stone retaining wall managed by the National Park Service \*
- Federal Garage - Washington, D.C.: Condition assessment, repair drawing development, and quantity take-off for reinforced cast-in-place concrete garage \*

##### Facade Assessment

- Federal Office Building - Washington, D.C.: Engineering services and observations of limestone facade for emergency repairs \*
- Catholic University of America, Columbus School of Law - Washington, D.C.: Field assessment and repair drawing development for composite brick masonry and limestone facade \*
- Edenwald Retirement Community - Towson, MD: Visual close-range condition assessments of masonry facade, recording and documentation of findings using Reconstruct 3D building software

##### Concrete Structures

- 8401 Connecticut Avenue Garage - Chevy Chase, MD: Field assessment of post-tensioned concrete repairs and design of expansion joints
- 2 Bethesda Metro Center Parking Garage - MD: Field assessment of conventionally reinforced concrete repairs

- Airport Runway Tunnels - Buffalo, NY: Field assessment and repair of multiple in-service concrete tunnels beneath the airport runway

##### Wood Structures

- Pennsylvania State University, McAllister Building - State College, PA: Technical support and repair drawing development for historic gutter replacement and slate roof repairs
- Amber Commons - Gaithersburg, MD: Condition assessment and analysis of existing wood roof trusses to support the addition of photovoltaic panels
- The Cloisters Apartment Complex - Washington, D.C.: Technical support and repair drawing development for thirteen wood-framed pedestrian bridges at garden-style apartments

##### Structural Analysis

- Smithsonian National Zoological Park - Washington, D.C.: Design of steel shade structure for seals and sea lions and contract document development \*
- Catholic University of America, St. Vincent de Paul Chapel - Washington, D.C.: Field assessment and structural analysis of mass limestone columns \*
- Pennsylvania State University, Old Main Building - State College, PA: Wind load analysis on existing damaged flagpoles and repair drawing development
- Federal Office Building and Museum - Arlington, VA: Wind analysis for permanent flag anchorage and design document development
- Promenade Towers Condominium - Bethesda, MD: Structural analysis for a large steel screen wall and contract document development

\* Indicates work with previous firm