

## PATRICK OLECHNO, P.E.

Engineer I



### +CONTACT

**Raths, Raths & Johnson, Inc.**  
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Patrick Olechno has over six years of engineering experience in structural design and analysis, evaluation, testing, and construction inspection of existing structures and hydro-mechanical components. He has designed steel and concrete components, such as platforms, slabs, columns, connection details, and gates for hydropower infrastructure. He has performed finite element modeling to analyze new and existing hydro-mechanical components of large-scale projects.

His background includes knowledge and experience in masonry design, construction, and renovation. He has performed masonry wall assessments, diagnostic field testing, developed repair design drawings and specifications, and managed construction quality assurance programs.

Prior to joining RRJ, Patrick was a design engineer for MWH Global, an international engineering company specializing in the design and construction of water and wastewater infrastructure. Previously, he worked for an engineering firm and a general contractor gaining experience in masonry and facade repair, testing, and structural design for the renovation and adaptive reuse of residential and commercial buildings.

### ■ EDUCATION

Master of Science in Civil Engineering, 2012  
 Structural Emphasis  
 Illinois Institute of Technology

Bachelor of Science in Civil Engineering, 2010  
 Structural Emphasis  
 Illinois Institute of Technology

### ■ REGISTRATIONS | CERTIFICATIONS

Licensed Professional Engineer in Illinois

Construction Documents Technologist (CDT)

Licensed City of Chicago, Department of Buildings  
 Mason Contractor

Certified First Aid CPR AED  
 American Heart Association

OSHA Construction Safety and Health Training

### ■ PROFESSIONAL AFFILIATIONS

American Institute of Steel Construction (AISC)

American Welding Society (AWS)

Structural Engineers Association of Illinois (SEAOI)

### ■ JUDGING

2016 American Galvanizers Association  
 Excellence in Hot-Hip Galvanizing Awards, Juror