



# Professional Profile

**SEAN HAHN, EIT**  
**ASSOCIATE ENGINEERING CONSULTANT**  
shahn@btc.expert

Sean Hahn is an Associate Engineering Consultant at Building Technology Consultants, Inc.

## REGISTRATIONS

- Engineer In Training

## PROFESSIONAL EXPERIENCE

Prior to joining Building Technology Consultants, Inc. in June 2017, Sean Hahn was a Restoration Engineering Intern with Walker Restoration Consultants in Chicago, Illinois in the spring of 2017. Prior to working for Walker Restoration Consultants, Sean worked as a Transmission Line Engineering Intern for Dashiell Corporation in Glen Ellyn, Illinois in the summer of 2016. Sean also worked as a Construction Engineering Intern for H.W. Lochner, Inc. in Chicago, IL from 2012 to 2015.

His professional experience includes:

- Assisting in **structural design** calculations for various structures including parking garage rehabilitation and repair, and roof structures;
- Investigation of deterioration, **water leakage** issues, and construction deficiencies in **parking garages** and **Building Envelopes**;
- Construction **observations** and **documentation**; and
- Assisting in performing **condition assessments** for parking garages and **roofs**.

## EDUCATION

Sean Hahn earned his **Bachelor of Science** degree in Civil Engineering from **Illinois Institute of Technology** at Chicago, Illinois in 2017. He also earned a **Master of Engineering** degree in Structural Engineering from **Illinois Institute of Technology** at Chicago, Illinois in 2017.

During his formal education, he attended numerous seminars and symposia related to civil engineering, structural engineering, and construction including the 2014, 2015, and 2016 American Society of Civil Engineers National Convention. Sean Hahn has also organized over 30 professional lectures through Illinois Institute of Technology ASCE Student Chapter meetings.



## PROFESSIONAL ACTIVITIES

- Member of American Society of Civil Engineers (**ASCE**)
  - Vice President of IIT Student Chapter from 2013 to 2016

## AWARDS

- Sidney A. **Guralnick Scholar** Award, Chicago, Illinois; Illinois Institute of Technology, 2016
- **Outstanding President** Award, Chicago, Illinois; Illinois Institute of Technology Greek Council, 2016
- **AISC/** Associated Steel Erectors of Chicago **Scholar**, Chicago, Illinois; AISC 2015

## REPRESENTATIVE PROJECTS

### **Malibu East Condominium** – Chicago, Illinois

Responsible for assisting in **investigation** of tower **column cracking** and creating a **3D digital model** with Google SketchUp. The investigation showed that an expansion joint was installed incorrectly and **thermal expansion** between the tower column and the adjacent parking garage attributed to the cracking. The 3D model served to help visualize the complex column and waffle slab connection including the existing condition, the planned demolition, and the planned repair design which included a new corbel and expansion joint.

### **Gibson's/ Hugo's Frog Bar & Fish House** – Chicago, Illinois

Responsible for assisting in **investigation** of **water related deterioration** and documenting findings. The repair contractor conducted **exploratory openings** in the parking garage above the restaurant to reveal a **bituminous waterproofing** layer and trapped moisture which was ultimately attributed to an inadequate drain pipe. Further investigation was performed in the restaurant ceiling to reveal water related deterioration and corrosion.

### **Cermak Road Elevated CTA Green Line Station** – Chicago, Illinois

Responsible for assisting in calculating estimates for **change orders**, maintaining **as-built drawings**, assisting in responding to **Requests for Information**, and **documenting daily activity** of the contractor during construction. The project involved the construction of three separate buildings for entering the station and a 260-foot long structural **steel tube** to enclose the elevated station platform.