

# Catherine Way

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## Education

SEPTEMBER 2017-DEC. 2020 POTSDAM, NY

### Bachelor's Degree in Civil Engineering / Clarkson University

- GPA: 3.44
- Concentrations in Structural Engineering and Construction Engineering Management

## Technical Skills

- AutoCAD, Revit, ArcGIS, MATLAB, Microsoft Office, Surveying tools, Microstation

## Relevant Experience

### Transportation Intern / Barton & Loguidice

June 2020-August 2020

- Performed calculations and design to determine the most economical size of steel I-girders.
- Designed concrete components such as wingwalls and box beams to provide structural support for loads being applied to bridge projects.
- Gained experience with estimating the quantity of materials from design plans.
- Became familiar with AASHTO LRFD code specifications.
- Checked calculations for steel and concrete structural support using software such as CONSPAN and Merlin.
- Used Microsoft to find values for estimating quantities, as well as for finding locations for center of bearing and elevations for bridge components.

### Structural Engineering Intern / C&S Companies

May 2019-August 2019

- Took responsibility for creating structural designs of foundation steps and simple beams.
- Performed load analyses on steel members to ensure the safety of building occupants.
- Assisted a design team with consulting reports and research on developing projects.
- Gained on-site experience creating solutions with a team for structural issues found during construction.
- Attended project design meetings with direct client contact.

## Activities

### Society of Women Engineers / Clarkson University

- Held a leadership position as a Board Member for the Clarkson University Section of the Society of Women Engineers since September 2017 including Freshman Rep, Membership Chair, Conference Organizer, and Vice President.

## Relevant Projects

### Lake Placid Senior Design Project

- Provided design services for a Lake Placid Project implementing bus shelters to the local transportation route. Provided two possible designs using Revit software to create them and presented the designs, as well as possible locations, to the Lake Placid Rotary Club.

### Structural Computations Project

- Completed structural analysis on a 120 member dome using MATLAB.