

~ A U S T I N M . F A C T E A U ~

SUMMARY OF ACADEMIC QUALIFICATIONS

Clarkson University Class of 2018

Civil Engineering - Concentration in Construction Engineering Management GPA: 3.02

EXPERIENCE

Barrett Paving Materials Inc., Watertown, NY

May 2017-August 2017

- Developed bid packages on HeavyBid for several roadway projects such as heavy highway, state routes, county routes, and parking lots.
- Analyzed blueprints and estimated heavy highway construction jobs using On-Screen Takeoff to obtain proper values for materials needed to complete the work.
- Worked beside project engineers/superintendents for transportation projects including total reconstruction of a roadway, paving, milling, culvert pipes, underdrainage/storm water structures, slip line pipes, and concrete work.
- Evaluated cost analysis on several jobs to maintain the correct cost for the job.
- Performed purchase orders/purchase receipts for items to get charged to jobs.
- Created plans on Carlson Drafting Software to obtain quantities that will keep accurate results in takeoffs and bids.
- Worked alongside the quarry/asphalt superintendent to manage blasting, crushing, and asphalt development.
- Completed Theoretical Maximum Specific Gravity tests to determine the maximum specific gravity of hot mix asphalt. Carried out a compaction test to determine the density of hot mix asphalt and the percentage of air voids in the sample.
- Adjusted the mixture of aggregates or liquid asphalt to meet the specifications if requirements were not met or could be closer to those needed values.
- Executed gradation tests to retrieve the aggregate particle size distribution throughout the sample.

Construction Engineering

Fall 2016

- Designed and developed a bid package to build a roadway on Clarkson's Campus.
- Generated cross sectional drawings to represent the work to be done.
- Created construction execution plans for traffic patterns, signage, equipment use, staging areas, and scheduling.

Strengths of Materials Design

Spring 2016

- Designed a beam 10% more efficient in size and loading capacity.
- Established scale drawings to represent the beam size.
- Worked in a team setting which required strong communication skills.

COMPUTER PROGRAMS

- Revit 2017 (BIM), Esri ArcMap 10.4.xx (GIS), On-Screen Takeoff, Carlson Drafting Software, HeavyJob, HeavyBid, MATLAB, LABVIEW, Microsoft Office, Windows, Mac.

CERTIFICATIONS AND ACTIVITIES

- OSHA 10 Certified
- Clarkson Strategic Investment Club
- American Society of Civil Engineers