

Bryan J. Smith, EIT

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EDUCATION

University of Michigan, Ann Arbor, MI,
B.S.E., Civil & Environmental Engineering. Minor, Multidisciplinary Design

December 2014

WORK EXPERIENCE AND SKILLS

OHM Advisors, Inc.

01/2015 - Present

Graduate Municipal Engineer

- Perform site reviews for municipal clients, verifying proposed site plans for compliance with applicable township, city, county, and federal ordinances and engineering standards. Typical review material includes drainage, preliminary grading, and site layout, culminating in a letter of recommendation for clients. **To date, X reviews have been performed, resulting in a Y profit margin.**
- Perform detailed engineering reviews for municipal clients, verifying proposed construction plans for adequate engineering design. Typical review material includes a detailed drainage analysis, storm sewer conveyance, sanitary sewer basis of design, detailed grading, and pavement design, culminating in a letter of recommendations for clients. **To date, X reviews have been performed, resulting in a Y profit margin.**
- Aid project engineers in preliminary and engineering design work and CADD drafting for in-house projects, including grading, drainage, and utility design, ranging in size from neighborhood pathways to city water main replacements.
- Perform infrastructure project engineering and design for municipal clients, including CADD drafting, grading and drainage design, and utility design. Design staff engineer on two pathway projects of total construction cost XYZ dollars and XYZ dollars, and design staff engineer on a road reconstruction and rehabilitation project totaling XYZ dollars. Each project has been delivered to the client on schedule and within OHM's internal budget.

Soil and Materials Engineers, Inc.

05/2012-12/2012

Field Technician (Co-op)

- Inspected placement of reinforcing steel for the City of Ann Arbor, in support of successful first-time installation of concrete topping slabs at the Landmark Building (1300 S University, Ann Arbor, MI).
- Performed concrete testing and consultation for O'Neal Construction for the successful placement of 2200 cubic yards of concrete for the Ann Arbor City Apartments (201 S 1st St, Ann Arbor, MI) building foundation mat.
- Prepared written technical reports to clients detailing observations of completed contractor work and provided time sensitive engineering recommendations to clients.

ENGINEERING ACTIVITIES

University of Michigan Steel Bridge Team

08/2011-Present

2015 Student Advisor, 2014 Captain, 2013 Co-Captain

- Project manager, design lead, and technical director on 2014 team. Responsible for connection design, structural design, bridge fabrication, and oversight of team operations including fund raising, recruiting, and team organization, resulting in 2nd place in the North Central Conference and an invitation to the National Student Steel Bridge Competition.
- Led re-organization of 2014 team structure, operations, and recruiting methods resulting in six to eight member design, fabrication, and construction sub teams, and 100% growth of team membership due to new opportunities available.
- Developed new fabrication scheduling methodology in response to the 2014 bridge's complex design, ensuring effective coordination between design, fabrication, and construction sub-teams, culminating in timely completion of the bridge.
- Developed new welding process utilizing precision milled jigs to enhance fabrication quality and accuracy, implemented by the 2015 team, resulting in welding time reduction and significantly improved fabrication precision.

University of Michigan - Wilson Student Team Project Center

05/2013-12/2014

Head Mill Trainer

- Responsible for training of students in the safe and proficient use of CNC and hand-operated mills.

Technical Skills

08/2009-Present

- Proficiency in CAD programs including extensive knowledge of AutoCAD Civil 3D and Microsoft Office Suite, with performing knowledge of SolidWorks and structural analysis program RISA-3D.