

# WILLIAM BARNHART, P.E.

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## Profile

Competent and versatile Professional Engineer, educated to Masters level, with over eight years of expertise in the world of corporate engineering. Possesses a thorough understanding of civil/structural engineering, modern construction techniques, project management and operating quality management systems. Motivated to build safe and vibrant communities through sharing technical expertise.

## Education

M.S. Civil Engineering, University of Missouri - Kansas City | 2012  
B.S. Architectural Engineering, Kansas State University | 2007  
Certificate, Web Developer, Johnson County Community College | 2014

## Experience

### **Prairie River Engineering & Inspection, Lawrence KS**

*Founder / Professional Engineer* | 2015-Present

- Provide friendly, timely, courteous engineering and inspection services to the communities of Northeast KS and beyond

### **Black and Veatch, Overland Park KS**

*Construction Manager*, Multiple Projects | 2014-2015

- Developed the scope of work and bill of materials for projects
- Monitored subcontractors to report completion of construction
- Tracked compliance of subcontractors to design specifications

*Project Quality Manager*, Multiple Projects | 2012-2014

- Developed continuous improvement initiatives to increase efficiency
- Documented business processes for knowledge management
- Audited project team for compliance to ISO 9000 standards

*Lead Engineer*, Sedgwick County Emergency Communication Project | 2012

- Performed site assessments and developed scope of work
- Supported procurement of major equipment and contractor bidding
- Managed production of engineering deliverables
- Met with local planning officials to establish criteria for permitting

*Lead Engineer*, AT&T Turf Project | 2008-2012

- Managed drawing production for cell site improvement projects with responsibilities including meeting schedule dates and cost budgets
- Reviewed and approved construction drawings for technical accuracy

*Field Engineer*, PPGPL Project, Trinidad and Tobago | 2008

- Solved implementation problems with construction team for structural pipe support design
- Communicated as-built conditions to design team at headquarters to facilitate re-design effort
- Performed on-site engineering design

*Design Engineer*, Whelan Energy Center Project | 2007-2008

- Designed structural steel for the generation building superstructure
- Designed small foundations using pcaMats software
- Checked steel fabrication drawings for technical accuracy

## **Volunteerism**

Humanitarian Trip to Dominican Republic | 2007

- Worked for a week in a village near La Romana to install community water filters in a joint project between Engineers without Borders and local Rotary clubs
- Taught children the basics about germ transmission and effective handwashing techniques

## **Associations**

American Society of Civil Engineers (2015)

Engineers without Borders (inactive since 2008)