
Joseph W. Hull, P.E.

5912 Westover Drive • Knoxville, TN 37919
(865) 406-6692 • joewhull@gmail.com

Objective

REPLACEME WITH OBJECTIVE TEXT

Education, Licenses and Certifications

Jan. 2017	Professional Engineer (Civil) Lic. 117075 , Tennessee
Jun. 2007	Engineer-In-Training Lic. 26049 , Tennessee Department of Commerce and Insurance
May 2007	B.Sc. in Civil Engineering , The University of Tennessee at Knoxville

Professional Experience

2011–pres.	<p>Senior Structural Engineer at MS TECHNOLOGY INC., Y-12 NSC</p> <p>As a senior structural engineer, I was responsible for management of a multi-disciplinary team of engineers and designers ensuring that project milestones are met. Management responsibilities included preparation of project reports on pipe/structure seismic interaction, equipment seismic qualification, and driving necessary engineering design and process improvements to facilitate efficient production of deliverables resulting in project cost savings while assisting and mentoring junior engineers. Project management involvement included estimation, scheduling, and assignment of design activities, and reviewing of inter-discipline and vendor submittals.</p> <p>Structures designed included platform structures and torsional analysis of open steel sections, multi-story modular, and stainless steel structures supporting turn-key systems comprised of mechanical, EI&C, process equipment and piping; these designs involved preparing, checking, and verifying structural calculations, drawings and 3D modeling as well as disposition of field change requests and safely performing field walkdowns. Design work performed involved extensive use of GT STRUDL including dynamic, linear, time-history analysis, and producing in-structure response spectra. Software utilized also involved testing, verification, and validation to ensure quality.</p>
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Professional Experience (cont'd)

2008–2011	<p>Civil/Structural Engineer at BECHTEL POWER CORP., TVA WBN2 COMPLETION</p> <p>For the Watts Bar Unit 2 project I was responsible for the scheduling, management, and completion of all Civil design packages for the Unit 2 Reactor Building and Turbine Building. In this role I also interfaced regularly with the client, vendors, sub-contractors, field engineers, craft, and the Nuclear Regulatory Commission. Towards project completion I aggressively pursued completion of the Task Engineering effort and supported all disciplines to ensure compliance, uniformity, and expedition of deliverables while also participating in a Six-Sigma team to streamline the issuance of design packages for an estimated project savings of \$1-2 million. I also completed the Bechtel Supervisory Development Program.</p> <p>As an individual contributor I generated structural design packages including design calculations and drawings and prepared nuclear licensing/technical basis documents for retrofitting steel connections on safety-related structures. Designed components and structures included steel platforms, equipment supports, base plates, concrete anchors, reinforced concrete pads and footings and other miscellaneous civil commodities. Design documents I produced included preparing, checking, and verifying design calculations, drawings, and field changes involving structural steel and concrete. To this end I also conducted field walkdowns to analyze and document existing plant conditions and feasibility of changes for numerous structural commodities.</p>
2007–2008	<p>Civil Engineer/Project Manager at SPECPro ES, LLC</p> <p>Oversight of subcontractors for the purging and decommissioning of three 20,000 gallon propane storage. Worked with engineers and geologist to collect representative groundwater samples for EPA Superfund and USCOE hazardous site-remediation projects. Coordinated with numerous subcontractors and the US Army Corps of Engineers to expedite payment for subcontractor work completed.</p>
2006–2007	<p>Transportation Engineer at KIMLEY-HORN & ASSOCIATES</p> <p>Safely collected traffic data in metropolitan areas and was awarded all subsequent traffic data collection contracts in the East Tennessee area. Responsible for invoicing, employee scheduling, and project completion. Used PETRA modeling program to format and organize traffic data prior to submitting the deliverables to Kimley-Horn & Associates. Hired and trained employees.</p>

Skills and Associations

Engineering Skills: AutoCAD, MathCAD, Microstation, ProjectWise, Structural Analysis

Codes & Standards: AISC Manual of Steel Construction, ACI 318, AISC N690, ASCE 43, ASCE 7, ASCE 8, ASCE 4, AWS, IBC, AISC Design Guides 1, 9, 24, and 27, OSHA