

Tensor Engineering
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Scott O'Brien

Experience

1988 – current Tensor Engineering Indian Harbour Beach,
FL

Project Manager

- Responsible for calculating and detailing major inclined web steel box girder projects including the Mousetrap in Colorado; Severn River Bridge in Annapolis, MD; South Station in Boston, MA; I610/I10 Beltway in Houston, TX; Bronx Expy & Whitestone Expy in NY; US119 Over Raccoon Creek in Pike County, KY
- Maintenance and development of software for calculating bridge geometry, generating shop detail drawings, creating data for electronic surveys, producing files for CNC burning of girder web plates and tracking project schedules & progress.
- Review designs for geometric errors; conformance to relative national, state and project specifications; cost effective details and erectability.
- Taught review course for NISD Individual Bridge Detailer Certification
- NISD Senior Detailer – Class I, 2002.
- Developed routines and methods to generate 3-D models using Tensor data files.
- Developed routines and methods to generate 2-D and 3-D CNC parts with parametrics using Tensor data files.

Education

- University Of Central Florida Orlando, Florida
- 1988, B.S., Computer Science with a minor in mathematics, University Of Central Florida, Orlando, Florida
 - 1985, A.S. in Mathematics, Brevard Community College, Melbourne, Florida