



JOB TITLE: Civil Engineer/Structural – Bridge Engineer

JOB LOCATION: Allen, Texas

REQUIREMENTS:

Education/Training: BSCE min, MSCE is a plus
Experience: 5-6 years design experience
Registration: Texas PE

White Hawk Engineering & Design, LLC (White Hawk) has created an environment where our people and technology converge to deliver trustworthy results. Our integrated solutions improve and connect communities and our people make it possible. Our most valuable asset is you, and we offer an environment where you can learn, grow, and enjoy life. Focused primarily on transportation design, White Hawk delivers engineering, engagement, environmental, and land surveying services.

JOB DESCRIPTION:

As a Project Bridge Engineer for the Texas Transportation Team in our Allen, Texas office, you will work directly with the Structural Team Leader providing engineering and technical design. This position will be responsible for developing and maintaining client and industry partner relationships, assist with developing project scopes, schedules, and budgets, and providing project deliverables that meet quality standards.

ARE YOUR PASSIONS TO:

- Work collaboratively in a team-oriented environment
- Maintain ownership in the work you do
- Conduct business and project management requirements with integrity and professionalism
- Use your talents to create designs that impact communities
- Mentor and train less experienced team members in day-to-day activities including routine technical design, processes, and company procedures
- Participate in a culture promoting a healthy work/life balance

DO YOU HAVE WHAT IT TAKES TO BE ON THE WHITE HAWK TEAM:

- Strong verbal and written communication skills
- Ability to contribute and work well with a team to meet schedule milestones in close coordination with your supervisor
- Experience with structural designs and drafting software packages. Experience with MicroStation, OpenRoads, OpenBridge, BGS, PGSUPER, PSTRS14, CAP18, Spcolumn, LPILE, PYWALL, MidasCivil are all a plus

- Prior experience or familiarity with TxDOT, NTTA, and ODOT preferred
- TxDOT Precertification's required or ability to obtain certification in Bridge Design and Bridge and Non-Bridge Class Culvert and Inlet Design, and Multi-Level Interchange Design (considered a plus)
- Experienced in use of AASHTO LRFD Bridge Design Specifications, other AASHTO Bridge Specs, TxDOT Bridge Design Manual - LRFD, and TxDOT Bridge Detailing Guide experience required
- Experienced in:
 1. **Mid-level level design of structures** in accordance with applicable design codes (AASHTO, AREMA, etc.), and in accordance with applicable federal and state laws, policies, procedures, standards and guidelines. Background should include design of prestressed concrete I-beam bridges, retaining walls, and miscellaneous structures as a minimum. Experience in design of other prestressed girder types preferred; experience in design of steel girders (straight and horizontally curved) is a plus.
 2. **Bridge Layouts:** Establishes horizontal and vertical geometrics consistent with roadway design utilizing various programs; determine span lengths, coordinate roadway widths, establish superstructure types, substructure types and location, determine foundation types.
 3. **Superstructure Design:** Slab design, design of prestressed concrete beams (I-girders, U-beams, box beams, slab beams, etc.), and design of bearing pads. Experience with steel design (rolled beams, plate girders – straight and curved) and design of bearing assemblies is considered a plus.
 4. **Substructure Design:** various bent types including multi-column, single column, wall, and inverted T, and foundations including drilled shafts, spread footings, and piling.
 5. **Retaining Wall Design:** various wall types including cast-in-place spread footing, drilled shaft, soil nail, and tied back walls.
 6. **Miscellaneous Structures Design:** various structures including box culverts, junction boxes, manholes, special utility and/or other structures.
 7. **Materials Design Expertise:** experience with a variety of materials including cast-in-place concrete and prestressed concrete; experience with precast and/or post-tensioned concrete and/or steel a plus.

Established in 2010 with the mindset that we can do it better together, White Hawk offers a competitive benefit and compensation package with opportunities for advancement. Our growing firm is looking for dedicated and motivated employees to perform quality designs and grow alongside our senior staff. As a White Hawk employee, you'll receive a comprehensive benefits package (health care, vision, dental, paid time off, etc.). Our benefits include:

- Competitive salary
- Company paid employee health insurance
- 401K
- In-house mentorship program
- In-house training programs
- Family-friendly environment
- Flexible work arrangements for trained and reliable employees

White Hawk is an EEO employer. We encourage qualified minority, female, veteran, and disabled candidates to apply and be considered for open positions. We do not discriminate against any applicant for employment, or any employee because of race, color, religion, national origin, age, sex, sexual orientation, gender identity, gender, disability, age, or military status.