

TRANSPORTATION DRAINAGE ENGINEER

Hanson Professional Services Inc. is seeking a candidate to fill a Transportation Drainage Engineer position in the **Lisle, Illinois (Chicago Region)** preferred or **Peoria, Illinois** (alternate) office.

About Us

Hanson Professional Services Inc. is a dynamic, employee-owned consulting firm of more than 400 employees providing a full range of multi-disciplined engineering, scientific, and allied services throughout the USA. We were #18 in the Multidiscipline category in the Zweig Group Best Firms to Work For.

Position Profile

This person is expected to lead drainage tasks on complex roadway projects, provide drainage quality control and design review, and mentor junior staff. Candidate may also perform roadway design tasks as required. It is important that this position can support project teams from initial planning through design to construction. Projects will generally involve roadway and highway design projects for local governments, state departments of transportation, toll authorities, and private clients.

Essential Job Functions/Responsibilities:

1. Prepare Phase 1 storm water management studies, including Location Drainage Studies, Hydraulic Reports, and conceptual drainage studies related to roadway improvements
2. Responsible for design of permanent and temporary drainage (open and closed systems) on roadway projects
3. Hydrologic and hydraulic analysis
4. Storm water detention/retention design
5. Erosion/sediment control and landscaping design
6. Coordination of design with other disciplines on larger multi-disciplinary projects
7. Utility coordination and permit development
8. Quantity calculations, cost estimates, and special provision development
9. Preparing and assembling plans and contract documents
10. Managing technical tasks and design teams (including responsibilities for technical teams, budget, and schedule). This may include quality control reviews
11. Estimating efforts for technical tasks
12. Technical writing
13. Construction observation
14. Familiarity with green infrastructure research and design preferred, but not required
15. Roadway design such as geometrics, roadside safety, sign and marking layout, and maintenance of traffic
16. Other duties as assigned

Qualifications

Technical Skills:

- Experience with StormCAD, HydroCAD, HEC-RAS and TR-55 is strongly desired
- Experience with Microstation and PowerGeopak (OpenRoads SS4) software
- Familiarity with AutoCAD and Civil 3D desirable

Soft Skills:

- Provide staff training recommendations

- Mentoring and managing junior technical staff
- Collaborating with senior technical staff
- Must demonstrate the ability to present complex technical concepts to engineers, clients, and public stakeholders
- Must be able to build effective relationships with internal and external client bases
- Strong oral communication and technical writing skills
- Ability to assist on project pursuits

Education/Experience:

- Bachelor's degree in civil engineering or closely related field
- Minimum of 8 years of progressive drainage and roadway engineering experience with transportation projects
- Professional Engineer license (IL) or be able to reciprocate a license from another state within 6 months
- Familiarity with Illinois Tollway and IDOT drainage design standards

Working at Hanson:

- Must be able to collaborate remotely with colleagues in other offices
- Candidate must be willing to accept out-of-town travel assignments
- Must be willing to work overtime to meet project demands when needed

Anticipated Classification Range: E/S IV – E/S VI

Contact: Interested and qualified Hanson employees should submit HRMP-8.2 "Employee Application for Posted Position" and a current resume to Human Resources-749-I. Form HRMP-8.2 is available through Human Resources.

This is an Infrastructure Market position. Interested and qualified applicants, other than Hanson employees, should apply through the Hanson website, <http://www.hanson-inc.com/supplement/careers/applytohanson.htm> to job #749-I.

As employers/governmental contractors, we comply with government regulations, including affirmative action responsibilities where they apply. To assist us in meeting our affirmative action goals, employees are encouraged to refer minorities, women, individuals with disabilities and veterans.

**AN EQUAL OPPORTUNITY — AFFIRMATIVE ACTION EMPLOYER
EEO / MINORITY / FEMALE / INDIVIDUALS WITH DISABILITIES / VETERANS**